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Water Resources Data Louisiana Water Year 1986



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-86-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

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)	2.54×10^1 2.54×10^{-2}	millimeters (mm) meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3 4.047×10^{-1} 4.047×10^{-3}	square meters (m ²) square hectometers (hm ²) square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0 3.785×10^0 3.785×10^{-3}	liters (L) cubic decimeters (dm ³) cubic meters (m ³)
million gallons	3.785×10^3 3.785×10^{-3}	cubic meters (m ³) cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1 2.832×10^{-2}	cubic decimeters (dm ³) cubic meters (m ³)
cfs-days	2.447×10^3 2.447×10^{-3}	cubic meters (m ³) cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3 1.233×10^{-3} 1.233×10^{-6}	cubic meters (m ³) cubic hectometers (hm ³) cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1 2.832×10^{-2} 2.832×10^{-2}	liters per second (L/s) cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2} 6.309×10^{-2} 6.309×10^{-5}	liters per second (L/s) cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1 4.381×10^{-2}	cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons



Water Resources Data Louisiana

Water Year 1986

by D.D. Carlson, L.J. Dantin, C.R. Garrison, and C.G. Stuart



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-86-1

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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District Chief, Water Resources Division
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Baton Rouge, LA 70896

1986

PREFACE

This volume of the annual hydrologic data report of Louisiana 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.

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, most of the data were collected, computed, and processed from area field offices. The following individuals supervised the collection, processing, and tabulation of the data:

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REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-87-267	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Louisiana, Water Year 1986		5. Report Date September 1987	
		6.	
7. Author(s) D.D. Carlson, L.J. Dantin, C.R. Garrison, and C.G. Stuart		8. Performing Organization Rept. No. USGS-WDR-LA-86-1	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division P. O. Box 66492 Baton Rouge, Louisiana 70896		10. Project/Task/Work Unit No.	
		11. Contract(C) or Grant(G) No. (C) (G)	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division P. O. Box 66492 Baton Rouge, Louisiana 70896		13. Type of Report & Period Covered 10/1/85 to 0/30/86	
		14.	
15. Supplementary Notes Prepared in cooperation with the State of Louisiana and with other agencies			
16. Abstract (Limit: 200 words) Water resources data for the 1986 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains records for water discharge at 70 gaging stations; stage only for 17 gaging stations and 11 lakes; water quality for 56 surface-water stations (including 24 gaging stations), 6 lakes, and 113 wells; and water levels for 398 observation wells. Also included are data for 136 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in 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 Louisiana.			
17. Document Analysis a. Descriptors *Louisiana, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses. b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement No restriction. This report may be purchased from: National Technical Information Service Springfield, VA 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 547
		20. Security Class (This Page) UNCLASSIFIED	22. Price

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INTRODUCTION

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

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 70 streamflow-gaging stations, stage only for 17 gaging stations, for 108 partial-record or miscellaneous streamflow stations, and for 28 crest-stage, partial record streamflow stations; (2) stage records for 11 lakes; (3) water-quality records for 24 streamflow-gaging stations, for 32 ungaged streamsites, and 113 wells; and (4) water-level records for 398 observation wells.

This series of annual reports for Louisiana began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Louisiana were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 2, 7, and 8." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperatures, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-86-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (504) 389-0281.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data during this water year through joint-funding agreements with the Survey are:

Louisiana Department of Transportation and Development, Robert G. Graves, Secretary:
Office of Public Works, Marty J. Chabert, Assistant Secretary, and Office of Highways,
Neil L. Wagoner, Assistant Secretary.

Louisiana Department of Environmental Quality, Patricia L. Norton, Secretary: Office
of Water Resources, J. Dale Givens, Assistant Secretary.

City of Baton Rouge and Parish of East Baton Rouge, Pat Screen, Mayor-President:
Department of Public Works, William B. Howe, Director.

Jefferson Parish Department of Public Utilities, Peter Russo, Director.

Capital Area Ground Water Conservation Commission, Oscar Robertson, Chairman.

City of Slidell, Salvatore A. Caruso, Mayor.

Sabine River Compact Administration, composed of James B. Furrh, Jr., Chairman;
Marty J. Chabert, and Raymond J. Palmer for Louisiana; David V. Gardner, and
J. T. McMahon for Texas.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army and the National Park Service in collection of records for stage and discharge stations and for water-quality stations published in this report.

Organizations that supplied data are acknowledged in the station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Louisiana became the first State to be hit by three hurricanes in one hurricane season, June through November. Hurricane Danny affected Louisiana in August. Hurricane Elena came ashore in southeast Louisiana in September, and the effects of Hurricane Juan were felt in October. Damage estimates for Hurricanes Danny, Elena, and Juan were approximately 23, 3, and 80 million dollars, respectively. President Reagan declared twelve parishes located along the gulf coast in southeastern Louisiana as a major disaster area due to Hurricane Juan. These parishes are St. Charles, St. Bernard, St. John the Baptist, Livingston, Ascension, St. Tammany, Plaquemines, Orleans, Tangipahoa, Jefferson, Terrebonne, and Lafourche.

As heavy rains associated with Hurricane Juan occurred over southern Louisiana, numerous streams overflowed their banks and flooded large areas. Not only were the heavy rains a factor, but also abnormally high tides occurred simultaneously with the rain which compounded the flooding problem. The rainfall during the period of Hurricane Juan, October 27-30, varied from 6 to 12 inches in southern Louisiana. This rainfall is reflected by the increase in streamflow of the Calcasieu River for October and November. Although the 1986 annual-peak discharge for the Calcasieu River near Oberlin did not exceed the previous flood of record, 72,800 ft³/s on May 19, 1953, it did rise to 28,400 ft³/s on November 2. The October and November monthly-average discharges are the second highest for the period of record (1939-86). In October, the monthly-average discharge was 2,322 ft³/s compared to the maximum of record of 4,004 ft³/s in 1985 (fig. 4). In November the monthly-average discharge was 4,557 ft³/s compared to the maximum of record of 6,825 ft³/s in 1958. Atite River in Denham Springs was impacted by this storm as the 1986 annual-peak discharge occurred on October 31 and was 43,900 ft³/s. Also, streamflow for Pearl River near Bogalusa reflected the magnitude of this storm as the daily discharge rose to 42,200 ft³/s on November 1. The discharges for the three sites did not exceed the 10-year flood.

From November through May, rainfall throughout the State was below normal. Although the rainfall was deficient, approximately 16 inches in some areas, the drought was not as drastic as that experienced in the southeastern part of the country. In March, streamflow of the Calcasieu River near Oberlin reflected this rainfall shortage. The monthly-average discharge for March was a record low, 235 ft³/s, compared to the previous minimum monthly-average discharge of record, 236 ft³/s, in 1954. In April, the monthly-average discharge was 171 ft³/s, the third lowest when compared to the record monthly-average discharge of 147 ft³/s for April which occurred in 1981. The 7-day Q_{10} discharge is 37 ft³/s for the Oberlin site. The rainfall deficit in Louisiana also affected the Pearl River basin. The February monthly-average discharge was 6,256 ft³/s (fig. 1), compared to the minimum monthly-average discharge of record, 4,346 ft³/s, which occurred in 1970 at Bogalusa. The monthly-average discharge for April was 4,346 ft³/s; the minimum of record is 3,213 ft³/s and occurred in 1963. The February and April monthly-average discharges are the third lowest for these months for the period of record, 1939-86.

In June, the remnants of Hurricane Bonnie produced rains which caused extreme flooding in the Shreveport area. Just south of Blanchard, 10.2 inches of rain fell in 12 hours. In Shreveport, 8.5 inches of rain fell in 12 hours. The flooding which resulted from this intense rainfall caused Interstate 20 to be closed from Shreveport to eastern Texas. For Paw Paw Bayou near Greenwood, a new maximum discharge of record, 19,100 ft³/s, occurred on June 27; this is greater than a 100-year flood. The previous maximum was 16,500 ft³/s and occurred on April 27, 1958.

WATER RESOURCES DATA FOR LOUISIANA, 1986

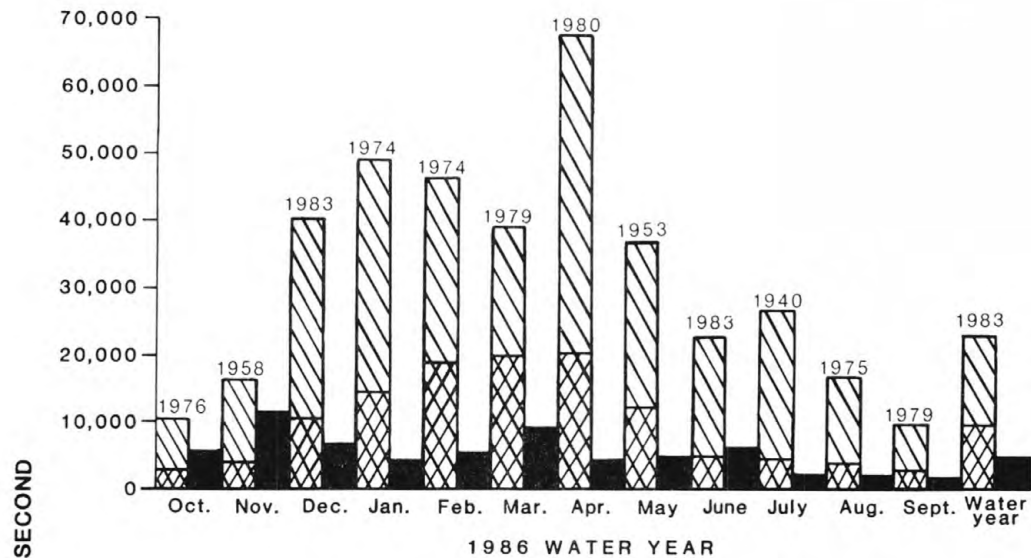


Figure 1.--Pearl River near Bogalusa, La.

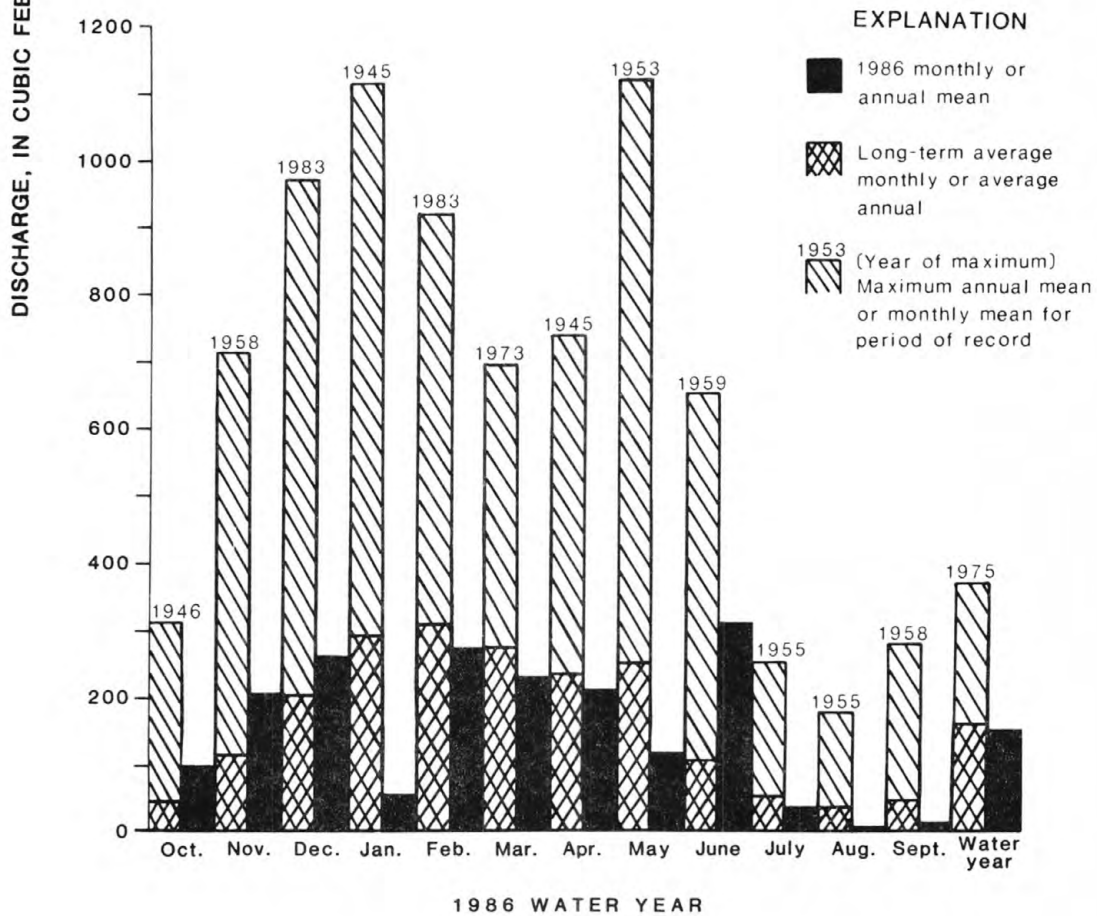


Figure 2.--Saline Bayou near Lucky, La.

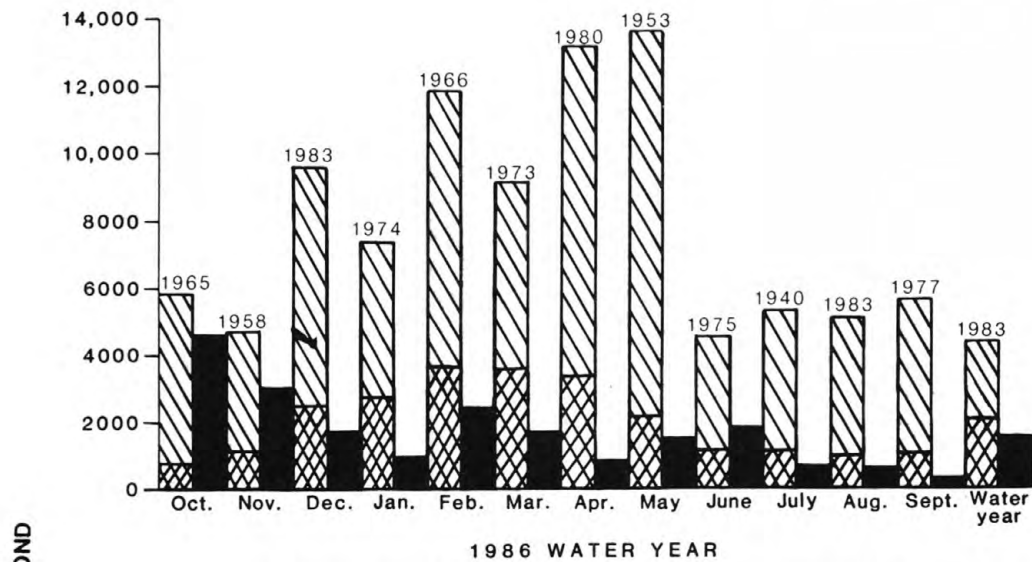


Figure 3.-- Amite River near Denham Springs, La.

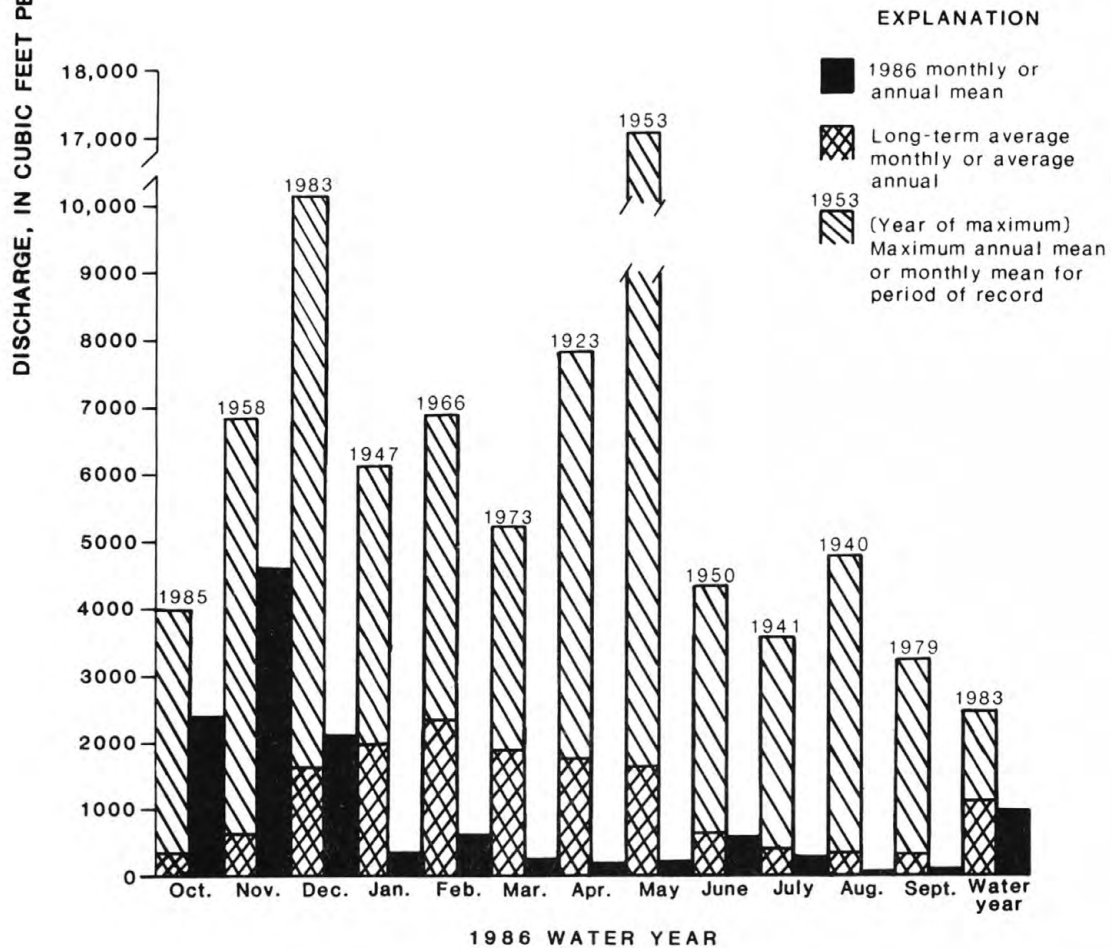


Figure 4.-- Calcasieu River near Oberlin, La.

Ground Water

In most areas of northern Louisiana, water levels continued to decline in wells screened in the Sparta aquifer during the 1986 water year. Water levels in the Sparta aquifer in Morehouse Parish have recovered approximately 40 feet and are now leveling off. This rise is the result of an industrial plant closing in 1981. A decline in water levels of 1 to 6 feet in the Miocene aquifers in central Louisiana also has occurred. The largest declines occurred near the pumping centers of Alexandria's Kisatchie well field and Fort Polk. Water levels in the Miocene aquifers have risen 5 to 10 feet in Alexandria, because of a shift of some pumpage from the downtown Alexandria well field to the Kisatchie well field. Water levels in wells screened in the Carrizo-Wilcox and Cockfield aquifers were generally the same as 1985. In the terrace aquifers water levels were mixed, because of seasonal fluctuations.

In the Chicot aquifer system of southwestern Louisiana, water levels were about the same as the 1985 water year. However, in the Lake Charles industrial area, water levels continue to show a slight increase in wells screened in both the "500 and 700-foot" sands. The average rise in these wells is about 2 feet. Wells screened in the Evangeline aquifer, in areas with little or no pumpage, also continue to show a slight rise (0.5 to 1.0 foot). Saltwater-monitor wells located in the coastal areas show chloride concentrations similar to the 1985 water year.

Water levels in the "400-foot" sand, in the Baton Rouge area, were generally the same or slightly higher than last year. In the "600-foot" sand, water levels have declined (1 to 2 feet) or fluctuated seasonally, mainly because of industrial pumpage. Water levels in wells screened in the "800- and 1,000-foot" sands are about the same or slightly lower than 1985. Little change has occurred in water levels in the "1,200-, 1,500-, and 1,700-foot" sands. As in 1985, water levels in wells screened in the "2,000-foot" sand have risen an average of about 10 feet. This would be due to a decrease in pumpage from both industrial and public supply. Wells screened in both the "2,400- and 2,800-foot" sands also have shown an increase in water levels during the past year. This is mainly due to a decrease in pumpage for public supply. Chloride concentrations in saltwater-monitor wells in the Baton Rouge area are virtually unchanged for the past year. Observation wells, EB-782B and EB-789B, screened in the "1,500-foot" sand have shown increases in chloride concentrations of 100 and 190 mg/L, respectively.

Water levels in the Gonzales-New Orleans aquifer are relatively unchanged since 1985. Total pumpage from this aquifer has remained constant from the previous water year.

In the Norco and Gramercy aquifers in southeastern Louisiana, water levels for most wells have risen slightly. Near the pumping center at Norco, Louisiana, water levels in the Norco aquifer are similar to last year. There has been no significant change in concentrations of chloride in these aquifers during the past water year.

The shallow aquifers (Upper and Lower Ponchatoula, and Big Branch) of the Florida Parishes, continue to show a slight rise from the past water year. Water levels have risen up to 3 feet in observation wells screened in these aquifers. In the intermediate aquifers (Abita, Covington, Kentwood, Slidell, and Tchefuncta), water levels have declined slightly (0.5 to 2 feet). Wells screened in the deep aquifers (Amite, Hammond, Ramsay, and Franklinton) have declined 1.0 to 6.0 feet during the 1986 water year.

SPECIAL NETWORKS AND PROGRAMS

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

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1986 water year that began October 1, 1985, and ended September 30, 1986. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 6-18. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and, in Louisiana, for surface-water stations where only miscellaneous measurements are made.

Downstream Order System

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

The station identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be

established; hence, the numbers are not consecutive. The complete eight- to fourteen-digit number for each station such as 02489500000000, which appears just to the left of the station name, includes the two-digit Part number "02" plus the six- to twelve-digit downstream order number "489500000000". The Part number designates the major river basin; for example "02" is the South Atlantic Slope and Eastern Gulf of Mexico.

Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a one-second grid. This site-identification number, once assigned, is a pure number, and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure 1). In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish in which the well is located, followed by a serial number assigned when the well was inventoried.

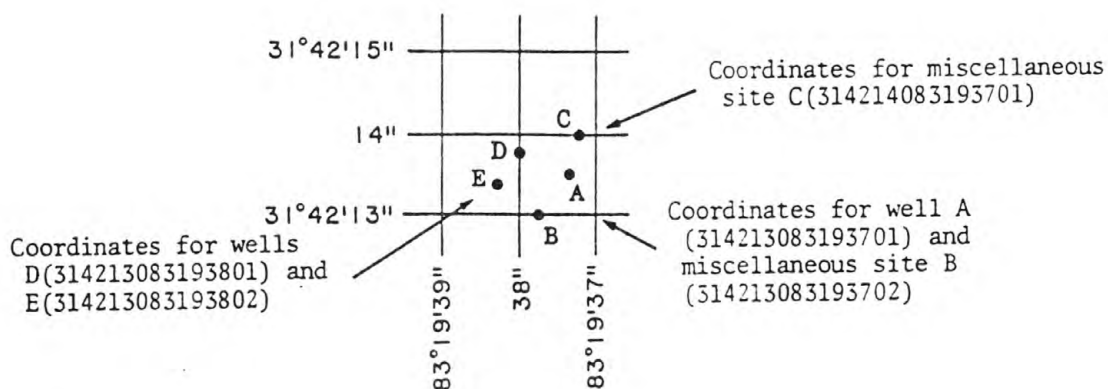


Figure 5. System for numbering wells and miscellaneous sites (latitude and longitude)

Records of Stage and Water Discharge

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

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 6-9.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

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

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

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

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves, or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

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

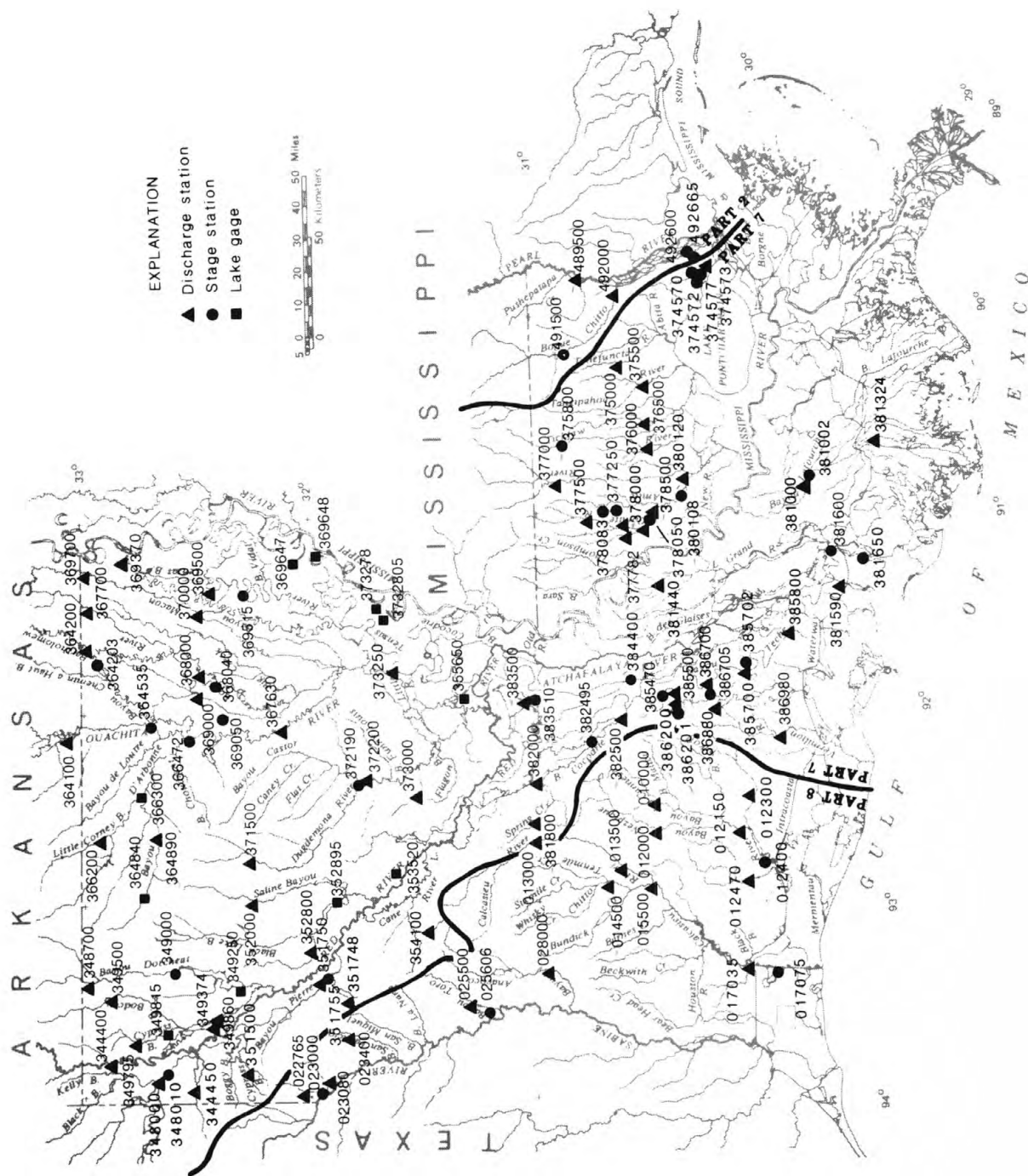


Figure 6.--Location of continuous gaging stations.

Figure 7.--Location of crest-stage stations.

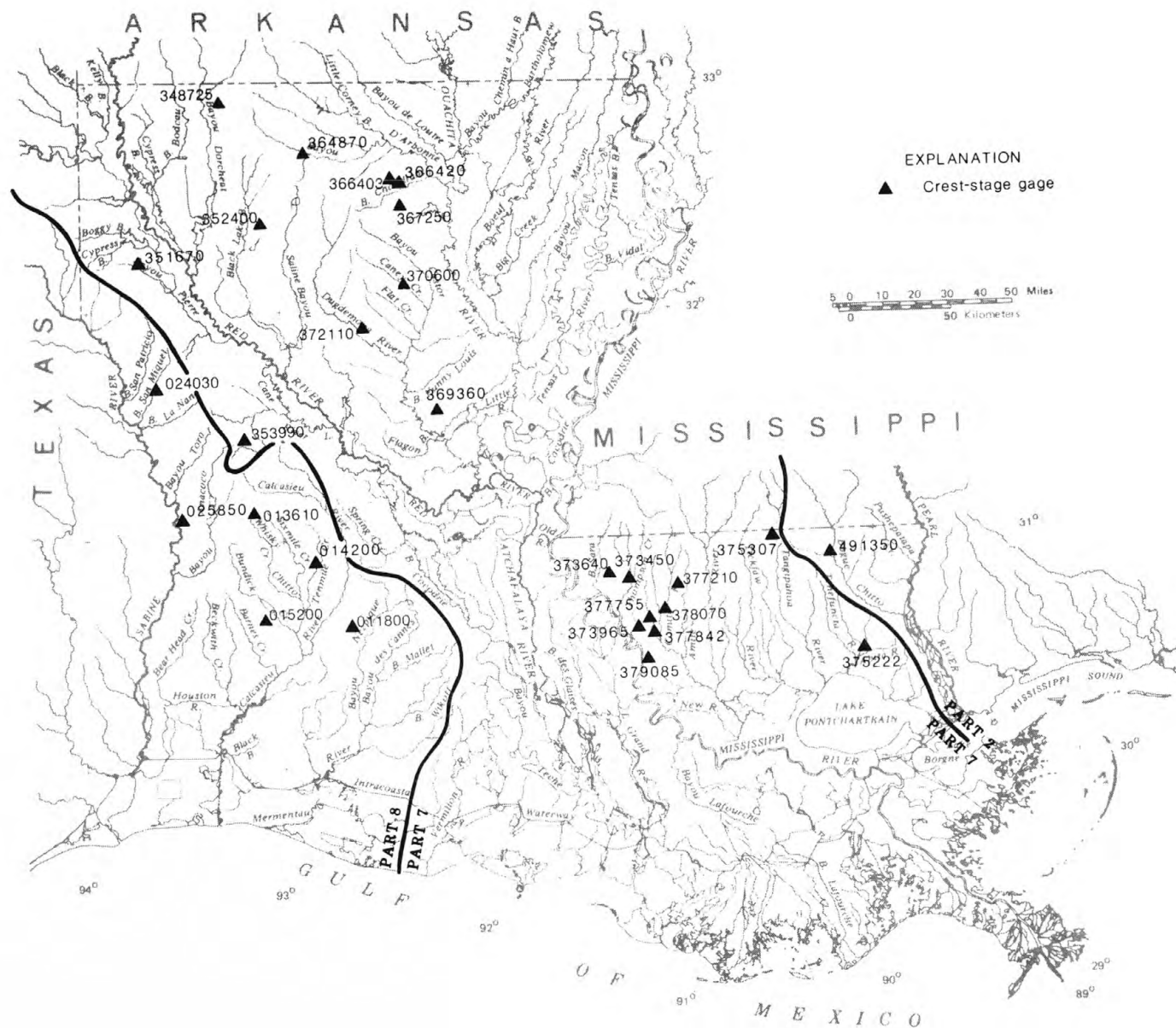
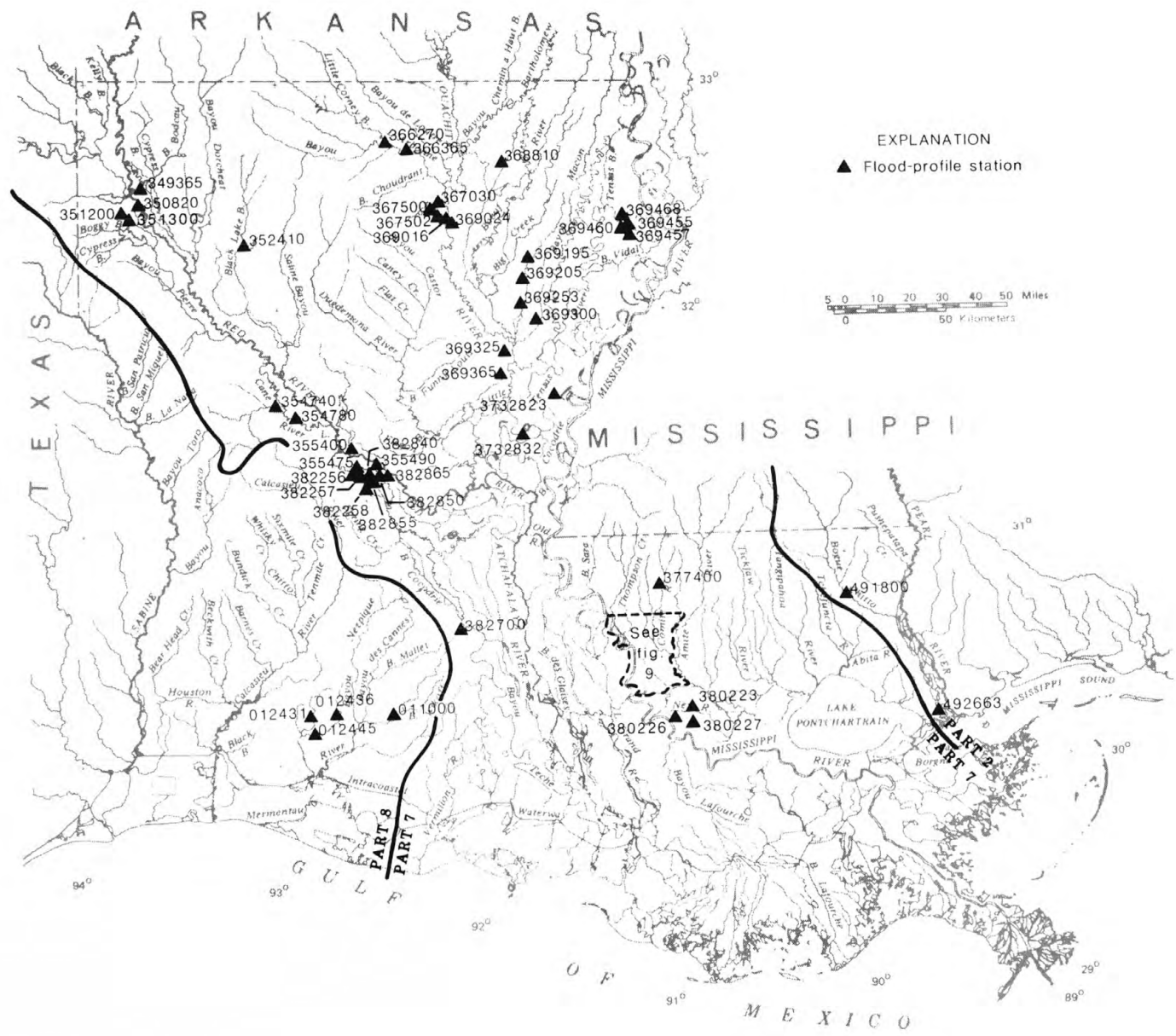


Figure 8.--Location of flood-profile stations.





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

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record, average discharge; historical extremes; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

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

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

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

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

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

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

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

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

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

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

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

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

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District office to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily mean discharges are within 5 percent; "good" within 10 percent and "fair" within 15 percent. "Poor" means that daily mean discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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

Other Records Available

Records of discharge, not published by the Geological Survey, are collected in Louisiana at several sites by the U.S. Army Corps of Engineers. The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Louisiana District office. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

Records of Surface-Water Quality

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

Classification of Records

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

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 10.

Arrangement of Records

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

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed on p. 22 of this report. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District Office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.



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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S.G.S. District Office whose address is given on the back of the title page of this report.

Water Temperature

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

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

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

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

As other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colo. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

Data Presentation

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

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

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

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

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

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

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

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

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

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

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)

Records of Ground-Water Levels

Data Collection and Computation

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

Tables of water-level data are presented by parishes arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, derived from the township-range location of the well.

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

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth 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. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. Locations of stations for which records on ground water appear in this report are shown in figures 11-18.

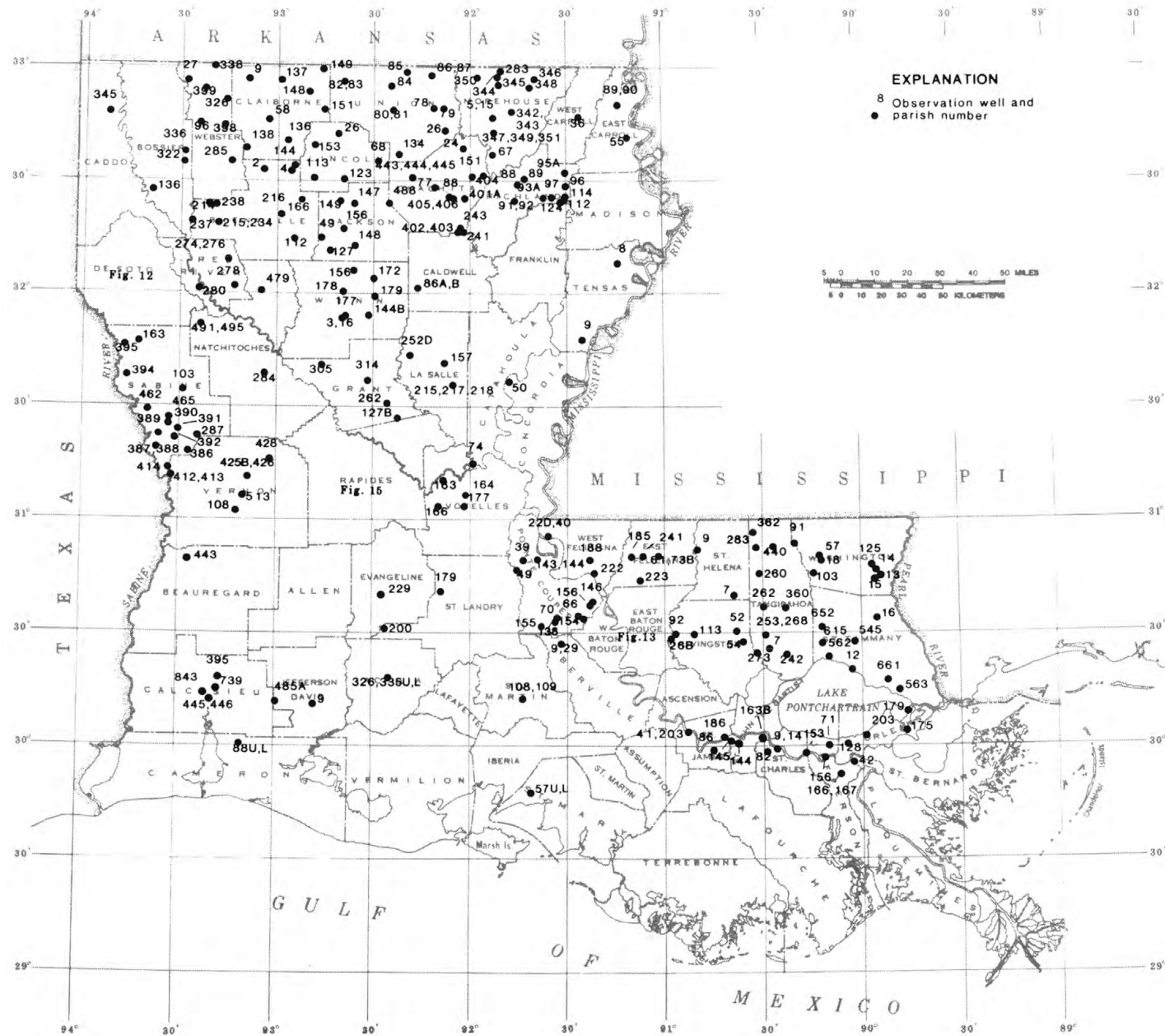


Figure 11 --Location of observation wells.

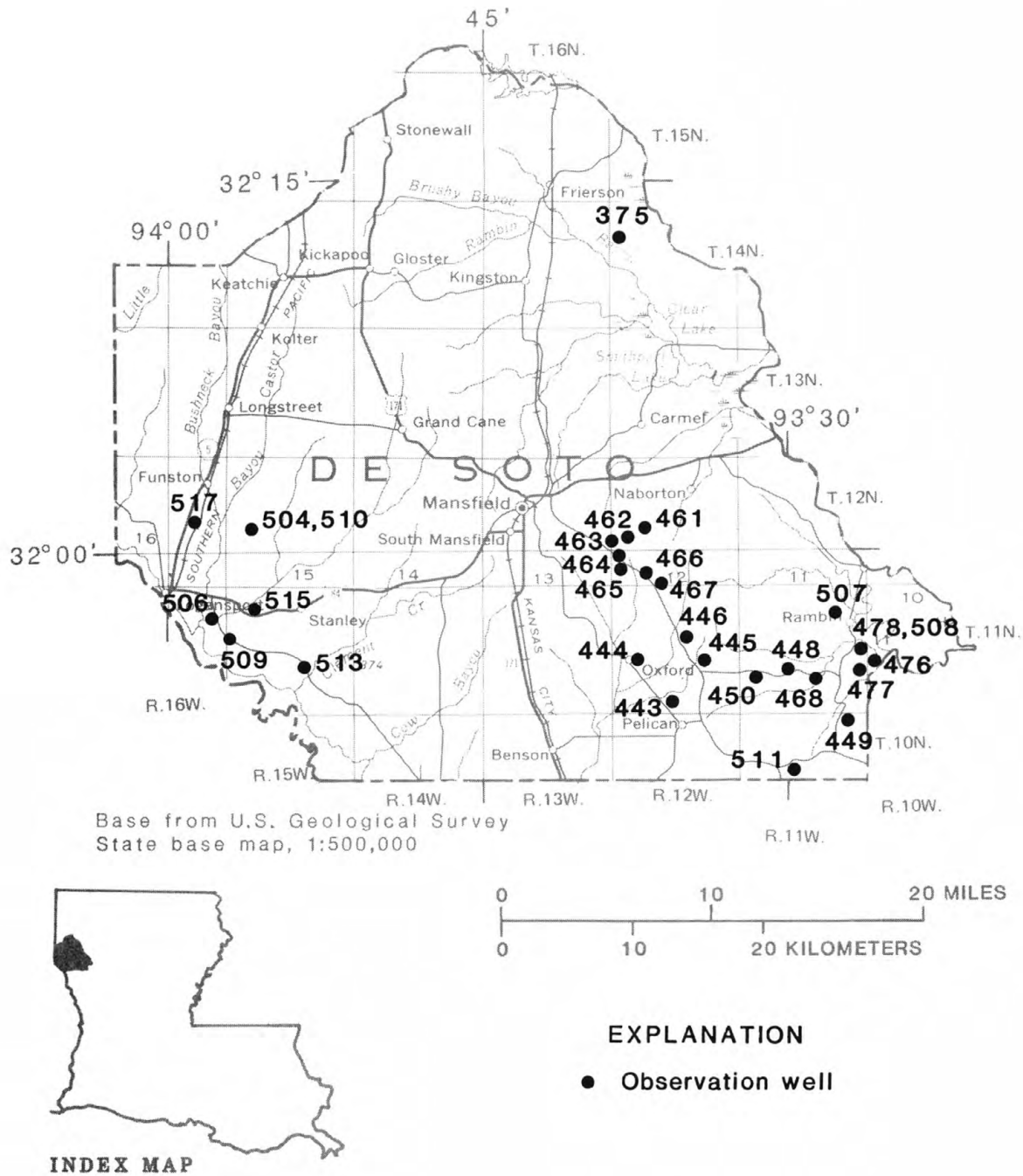


Figure 12.--Location of observation wells in De Soto Parish.

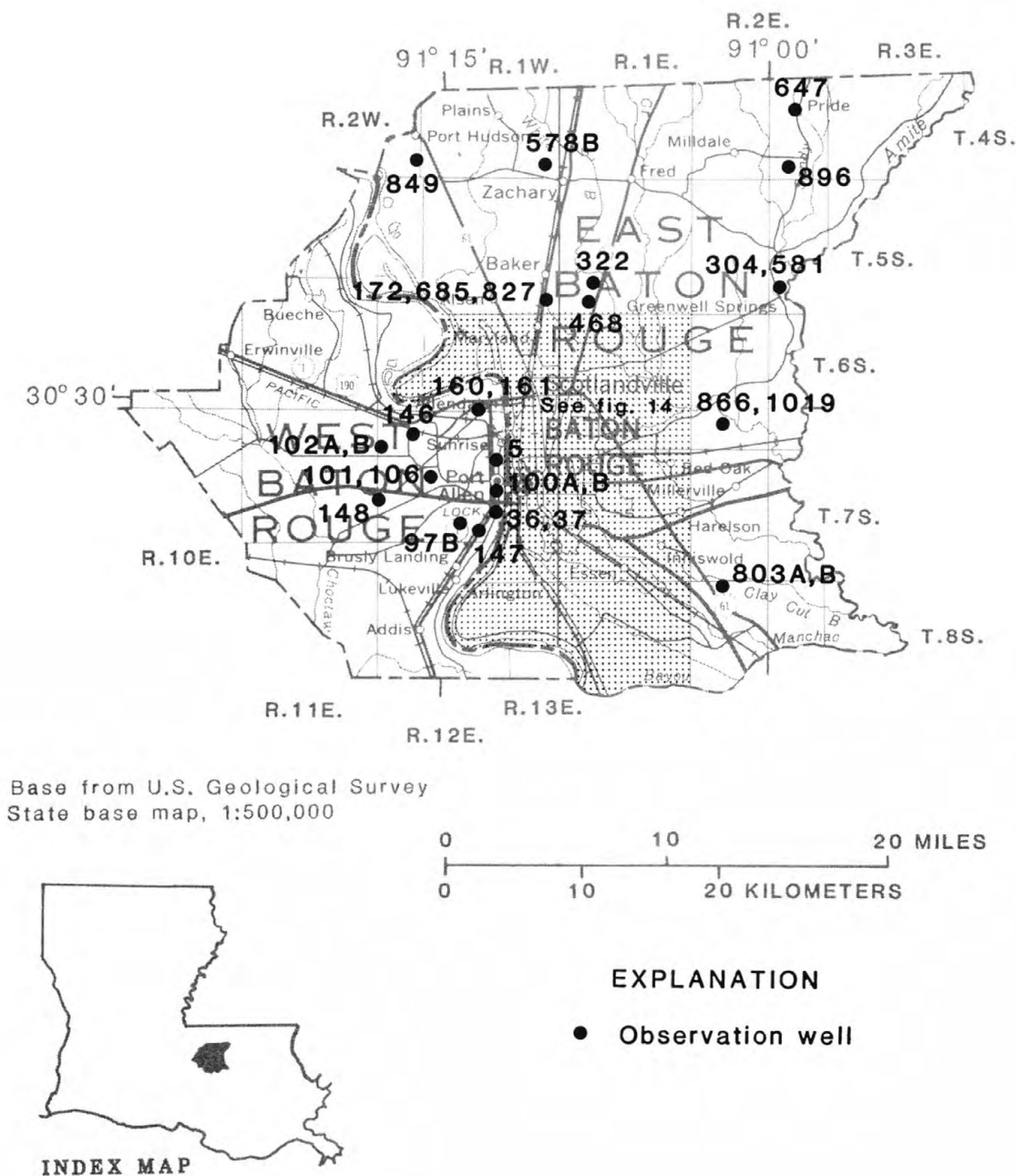
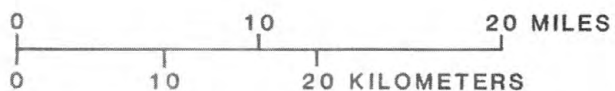
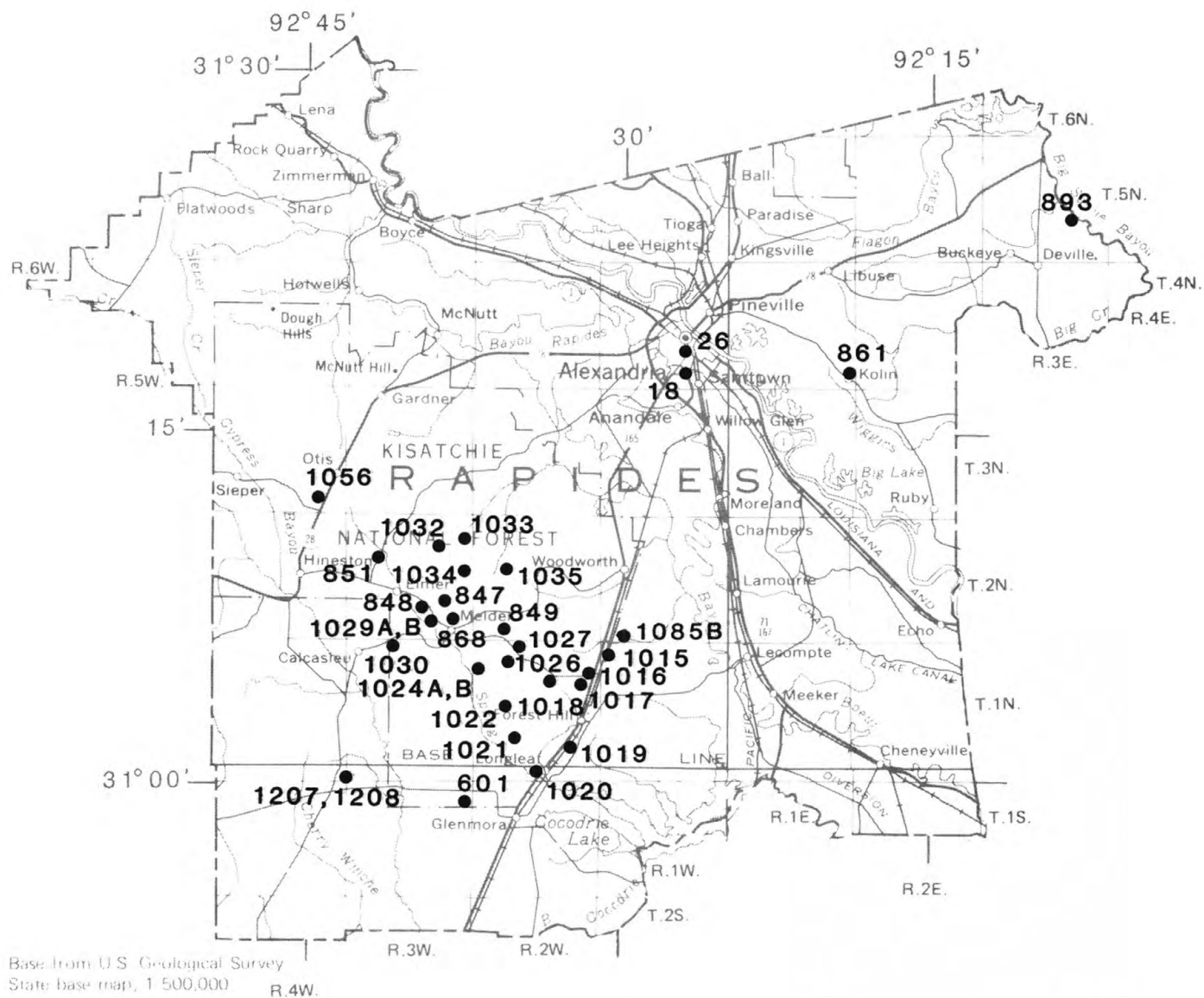


Figure 13.-- Location of observation wells in East and West Baton Rouge Parishes.





EXPLANATION

- Observation well

Figure 15.-- Location of observation wells in Rapides Parish.

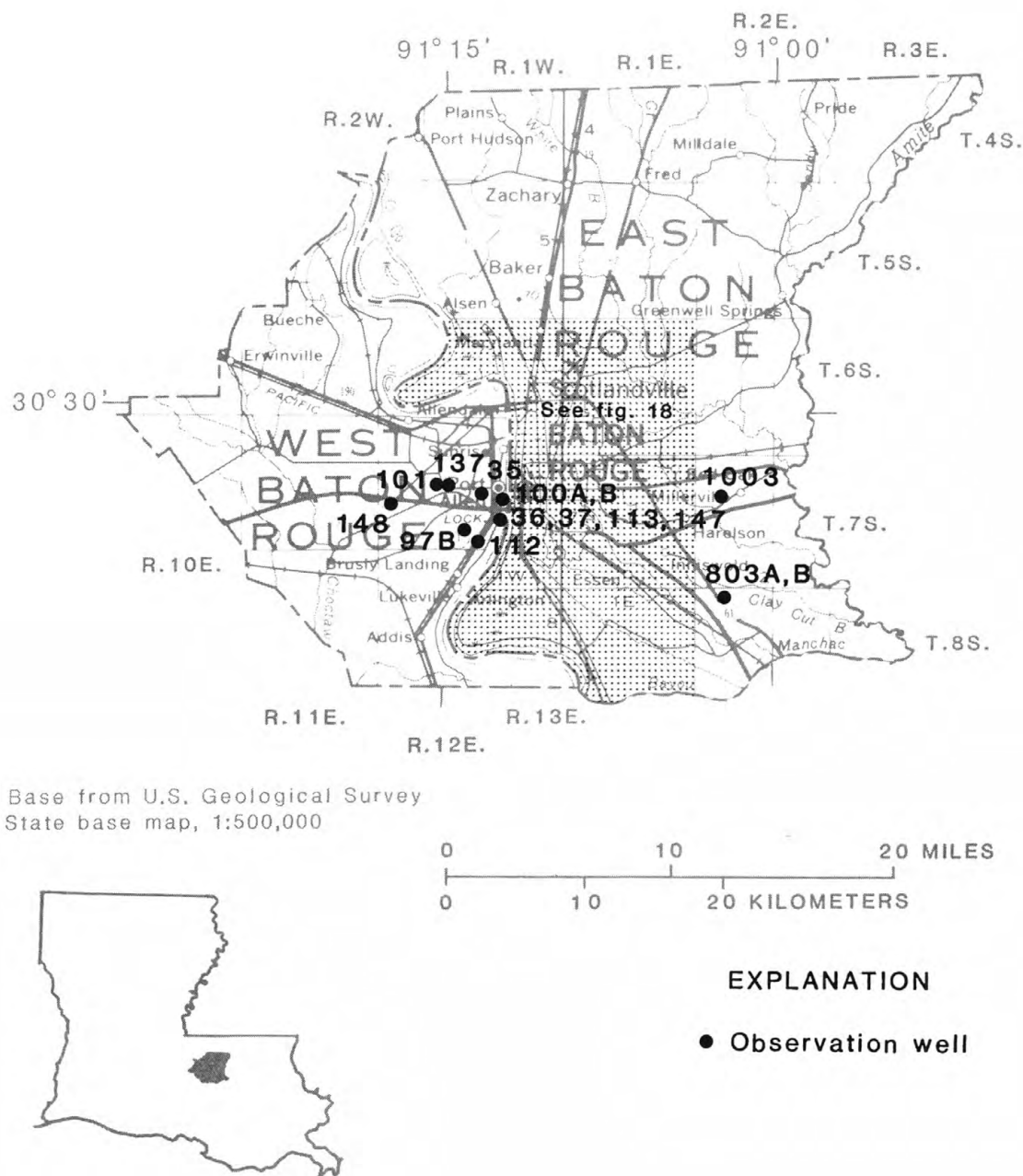


Figure 17.--Location of wells for which water-quality data are included in East and West Baton Rouge Parishes.

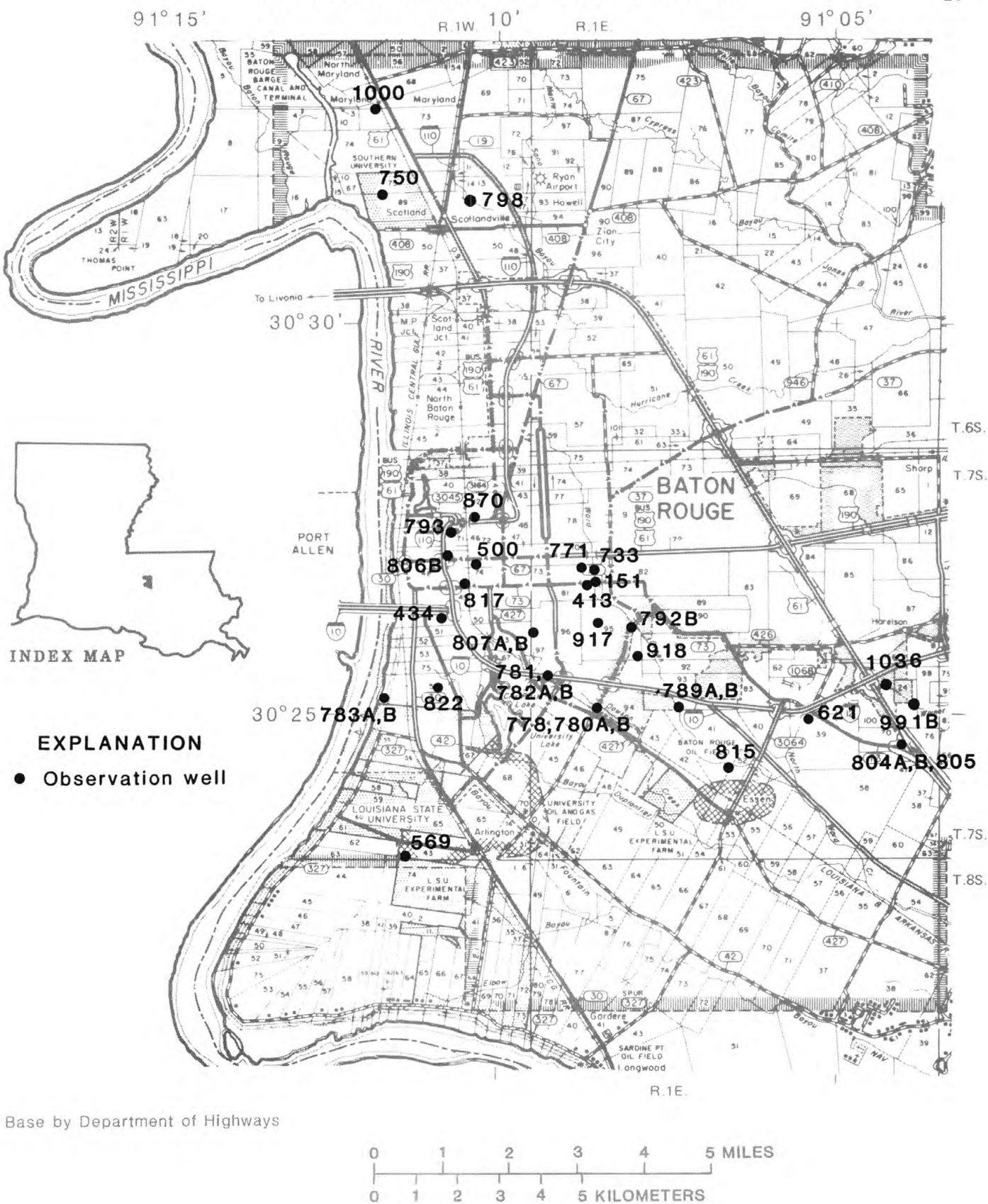


Figure 18.-- Location of wells for which water-quality data are included in shaded area of figure 17.

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

Records of Ground-Water Quality

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

Data Collection and Computation

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manual listed on a following page. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by Parish, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

ACCESS TO WATSTORE DATA

The National **W**ater **D**ata **S**Torage and **R**etrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from 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, Virginia 22092

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric 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 or 1,233 cubic meters.

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

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

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often grouped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the ideal range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies within 24 hours when incubated at 35°C + 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C + 1.0°C on M-enterococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m³ (grams per cubic meter), and periphyton and benthic organisms in g/m² (grams per square meter).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 60°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

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

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

Bottom material: See Bed material.

Recoverable from bottom material refers to 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.

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".

Cells/volume refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

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

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

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

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

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

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second (FT³/S, ft³/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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.

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

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

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

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

Diversity Index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

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

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

Drainage area of a stream at a specific location is that area, 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 noncontribution area, 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.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

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

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram (ug/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

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

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

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

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

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

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

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

<u>Classification</u>	<u>Size (mm)</u>	<u>Method of analysis</u>
Clay.....	0.00024 - 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

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

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

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

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanolindan.

DDD (combination of ortho and para isomers)

o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE (combination of ortho and para isomers)

o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT (combination of ortho and para isomers)

o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'-methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanolindene.

Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanolindan.

Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[(4-chlorophenyl)thiol-methyl] 0,0-dimethyl ester.

Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

Nirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion phosphorodithioic acid S-[(4-chlorophenyl)thiol-methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.

2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.

Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

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

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

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

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

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds having various percentages of chlorine.

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

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

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 colloid.

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mean concentration times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

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

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

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

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

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

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

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. 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 the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S.G.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

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

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

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

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

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

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

Total refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mean concentration of the constituent, times the factor 0.0027, times the number of days.

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.

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

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

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. **Water temperature--Influential factors, field measurement, and data presentation**, by H. H. Stevens, Jr., J. F. Flicke, 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. Matthal: 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-A10. **Discharge ratings at gaging stations**, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 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-A13. **Computation of continuous records of streamflow**, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. **Use of flumes in measuring discharge**, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. **Computation of water-surface profiles in open channels**, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 5-A4. **Methods for collection and analysis of aquatic biological and microbiological samples**, edited by P. E. Greeson, T. A. Ehike, 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-A6. **Quality assurance practices for the chemical and biological analyses of water and fluvial sediments**, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. **Laboratory theory and methods for sediment analysis**, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. **Finite difference model for aquifer simulation in two dimensions with results of numerical experiments**, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. **Computer model of two-dimensional solute transport and dispersion in ground water**, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. **A model for simulation of flow in singular and interconnected channels**, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. **Methods of measuring water levels in deep wells**, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. **Installation and service manual for U.S. Geological Survey manometers**, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. **Calibration and maintenance of vertical-axis type current meters**, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 9,794 ft³/s, 20.23 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s Apr. 24, 1979, gage height, 23.23 ft; minimum, 1,020 ft³/s Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,200 ft³/s Nov. 1, gage height, 19.70 ft; minimum discharge, 1,670 ft³/s Sept. 30, gage height, 6.74 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3490	41700	3920	8150	3730	4120	9980	2780	18300	2660	2260	1980
2	4090	40900	3900	9180	3640	4010	7910	2720	18000	2740	2150	1880
3	3920	37400	4030	7040	3560	3770	6450	2690	17300	3100	2050	2170
4	3530	32300	3990	5740	3550	3600	5380	2980	15800	3110	1990	2500
5	3250	24600	3940	5160	4610	3480	4720	3190	13700	2760	1950	2360
6	2980	17700	3920	4790	9610	3380	4280	2970	11100	2520	1900	2230
7	2730	13600	3850	4640	13400	3300	3960	2750	9780	2420	1880	2280
8	2550	11600	3780	5080	12900	3250	3760	2640	8450	2390	1880	2170
9	2420	10400	3690	5450	11000	3210	3580	2570	6700	2310	1880	2060
10	2350	9470	3640	5280	9150	3170	3440	2520	5540	2260	1920	2030
11	2300	8810	3630	5730	8440	3150	3360	2510	5200	2430	2080	1950
12	2260	8120	4330	6180	8480	3230	3440	2800	5590	2610	2550	1870
13	2250	7400	9560	5700	8120	5430	4360	3070	5570	2540	2480	1820
14	2220	6670	14900	5160	7550	9290	5270	2840	5270	2360	2260	1800
15	2190	5990	18300	4680	6660	9980	5390	2720	5150	2230	2330	1820
16	2350	5320	19600	4370	5900	8940	4800	2990	5210	2220	2310	1910
17	3000	4830	17700	4170	5390	8410	4180	2920	4720	2290	2160	2020
18	3050	4470	13900	4060	5210	7850	3780	2960	4060	2330	2100	1970
19	2730	4280	11500	4160	5090	7660	3570	4330	3690	2380	2090	1860
20	2570	4110	10400	4320	4720	9080	3580	6470	3570	2460	2030	1800
21	2500	3970	9870	4120	4420	15700	3890	6010	3430	2430	1960	1830
22	2450	3840	9300	3960	4240	21600	4240	6230	3240	2480	1930	1890
23	2710	3720	8690	3840	4250	24400	4400	5590	3110	2400	1930	1920
24	2820	3630	7940	3750	4400	25100	3970	4940	3010	2430	1930	1880
25	3450	3550	7270	3730	4390	23600	3540	4490	2880	2980	1910	1830
26	4330	3480	6810	4150	4320	21900	3260	4770	2710	3580	1860	1810
27	5640	3390	6380	4610	4250	20200	3110	6320	2590	3210	1830	1780
28	7030	3890	6090	4370	4190	18600	3010	8920	2500	2670	1880	1760
29	14200	4430	6580	4110	---	16900	2920	12400	2470	2410	1900	1720
30	29800	4220	6480	4000	---	15000	2840	14900	2560	2410	1890	1690
31	38800	---	6210	3860	---	12600	---	17200	---	2370	1990	---
TOTAL	169960	337790	244100	153540	175170	323910	130370	153190	201200	79490	63260	58590
MEAN	5483	11260	7874	4953	6256	10450	4346	4942	6707	2564	2041	1953
MAX	38800	41700	19600	9180	13400	25100	9980	17200	18300	3580	2550	2500
MIN	2190	3390	3630	3730	3550	3150	2840	2510	2470	2220	1830	1690
CFSM	.83	1.71	1.20	.75	.95	1.59	.66	.75	1.02	.39	.31	.30
IN.	.96	1.91	1.38	.87	.99	1.83	.74	.87	1.14	.45	.36	.33
CAL YR 1985	TOTAL	3042300	MEAN	8335	MAX	41700	MIN	2130	CFSM	1.27	IN.	17.22
WTR YR 1986	TOTAL	2090570	MEAN	5728	MAX	41700	MIN	1690	CFSM	.87	IN.	11.83

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.91	19.67	9.92	13.54	9.72	10.12	14.64	8.47	17.26	8.30	7.70	7.23
2	10.67	19.62	9.90	14.23	9.63	10.01	13.42	8.39	17.21	8.42	7.52	7.08
3	10.45	19.38	10.03	12.80	9.54	9.76	12.36	8.34	17.07	8.94	7.35	7.54
4	9.96	18.99	9.99	11.80	9.54	9.59	11.46	8.76	16.72	8.95	7.26	8.05
5	9.58	18.26	9.94	11.24	10.63	9.46	10.76	9.07	16.10	8.44	7.18	7.84
6	9.19	17.13	9.92	10.84	14.30	9.34	10.29	8.74	15.17	8.08	7.11	7.66
7	8.82	16.08	9.84	10.67	16.01	9.23	9.96	8.43	14.56	7.94	7.08	7.72
8	8.55	15.37	9.77	11.16	15.84	9.15	9.75	8.27	13.78	7.88	7.08	7.55
9	8.36	14.86	9.68	11.56	15.11	9.09	9.57	8.16	12.54	7.77	7.07	7.37
10	8.24	14.41	9.63	11.37	14.22	9.04	9.42	8.09	11.62	7.70	7.15	7.32
11	8.16	14.01	9.62	11.78	13.77	9.01	9.31	8.08	11.29	7.95	7.41	7.18
12	8.11	13.56	10.35	12.15	13.80	9.11	9.40	8.50	11.68	8.23	8.14	7.06
13	8.10	13.07	14.26	11.77	13.56	11.37	10.38	8.89	11.67	8.11	8.03	6.99
14	8.05	12.52	16.48	11.24	13.18	14.27	11.37	8.56	11.36	7.85	7.69	6.96
15	8.00	12.00	17.28	10.72	12.52	14.66	11.49	8.39	11.24	7.65	7.81	6.99
16	8.25	11.41	17.52	10.37	11.93	14.09	10.85	8.78	11.29	7.63	7.77	7.13
17	9.22	10.88	17.15	10.17	11.49	13.76	10.18	8.67	10.77	7.74	7.54	7.30
18	9.29	10.49	16.16	10.06	11.29	13.38	9.77	8.73	10.06	7.80	7.42	7.22
19	8.82	10.28	15.32	10.16	11.17	13.26	9.55	10.35	9.68	7.87	7.43	7.04
20	8.58	10.11	14.87	10.32	10.76	14.12	9.57	12.37	9.55	7.99	7.32	6.95
21	8.46	9.97	14.61	10.12	10.43	16.64	9.88	12.02	9.40	7.95	7.21	7.00
22	8.40	9.83	14.32	9.96	10.24	17.87	10.24	12.19	9.14	8.02	7.17	7.10
23	8.78	9.71	13.93	9.84	10.25	18.28	10.41	11.66	8.94	7.91	7.16	7.13
24	8.94	9.62	13.44	9.74	10.41	18.35	9.97	11.00	8.80	7.95	7.16	7.08
25	9.85	9.53	12.97	9.72	10.40	18.19	9.53	10.51	8.61	8.76	7.12	7.01
26	10.95	9.46	12.63	10.16	10.32	17.92	9.17	10.81	8.37	9.56	7.04	6.97
27	12.37	9.36	12.30	10.64	10.25	17.62	8.95	12.26	8.19	9.09	7.00	6.92
28	13.38	9.89	12.08	10.37	10.19	17.33	8.80	14.01	8.06	8.30	7.07	6.89
29	16.50	10.45	12.46	10.11	---	16.99	8.68	15.66	8.02	7.92	7.10	6.83
30	18.77	10.22	12.38	10.00	---	16.50	8.56	16.47	8.14	7.91	7.10	6.78
31	19.48	---	12.17	9.85	---	15.74	---	17.06	---	7.87	7.25	---
MAX	19.48	19.67	17.52	14.23	16.01	18.35	14.64	17.06	17.26	9.56	8.14	8.05
MIN	8.00	9.36	9.62	9.72	9.54	9.01	8.56	8.08	8.02	7.63	7.00	6.78

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1952-53, 1963 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1962 to September 1970, June 1975 to October 1980, April 1981 to September 1981.

pH: June 1975 to October 1980.

WATER TEMPERATURES: November 1962 to September 1970, June 1975 to October 1980, April 1981 to September 1981.

DISSOLVED OXYGEN: June 1975 to October 1980.

SUSPENDED-SEDIMENT CONCENTRATIONS: April 1967 to current year.

SUSPENDED-SEDIMENT DISCHARGE: April 1967 to current year.

INSTRUMENTATION.--Water-quality monitor June 1975 to October 1980.

REMARKS.--Suspended-sediment data, sieve diameter, percent finer than 0.062 MM are instantaneous values.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Sept. 10, 1965; minimum, 17 micromhos Apr. 26, 1979.

pH: Maximum, 8.4 units Oct. 19, 21, 1976; minimum, 5.4 units Jan. 23, 24, 1977, Jan. 18-20, 1980.

WATER TEMPERATURES: Maximum daily, 35.0°C July 23, 1981; minimum daily, 1.5°C Dec. 21, 1963.

DISSOLVED OXYGEN: Maximum, 12.9 mg/L Oct. 22, Dec. 1, 1976; minimum, 2.9 mg/L May 25, 1977.

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 576 mg/L Oct. 24, 1984; minimum daily mean, 2 mg/L

Nov. 11-13, 1969, Oct. 15, 17, Nov. 14, 1971, Oct. 15-21, Nov. 3-5, 1972.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 80,600 tons Apr. 8, 1983; minimum daily, 7 tons

Nov. 11-13, 1969.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 459 mg/L Mar. 22; minimum daily mean, 15 mg/L Jan. 15, 24.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 44,200 tons Oct. 31; minimum daily, 152 tons Jan. 24.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 17...	1100	93	6.90	24.0	20	20	7.7	—	260	210
JAN 06...	1100	76	6.90	10.0	30	20	10.3	1.7	K35	150
APR 02...	1000	73	6.70	19.0	50	34	8.7	1.9	K40	K76
JUL 17...	1045	92	6.60	29.0	15	10	6.6	3.2	K24	64

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 17...	13	3.5	1.0	12	1.7	20	11	8.9	<0.1	9.6
JAN 06...	15	3.9	1.2	7.8	1.9	16	9.7	7.4	<0.1	11
APR 02...	15	4.0	1.3	7.2	2.2	13	11	6.2	<0.1	4.8
JUL 17...	18	5.1	1.3	9.8	2.1	20	9.7	6.8	<0.1	10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
OCT 17...	55	60	0.22	0.03	<0.01	0.3	0.06	0.02	<0.01	20
JAN 06...	57	54	0.25	0.08	0.08	0.6	0.08	0.02	0.01	70
APR 02...	56	46	0.16	0.02	0.02	0.7	0.12	0.05	0.02	560
JUL 17...	57	57	<0.10	0.04	0.06	0.7	0.09	0.03	<0.01	—

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 17...	<1	23	1	<1	<1	<3	3	130	<5	<4
JAN 06...	<1	33	0.6	<1	<1	<3	2	170	<5	<4
APR 02...	<1	27	<0.5	<1	<1	<3	3	440	<5	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 17...	4	0.4	<10	1	<1	<1	31	<6	8
JAN 06...	65	<0.1	<10	1	<1	<1	65	<6	8
APR 02...	18	<0.1	<10	2	<1	<1	32	<6	24

DATE	DIS- CHARGE, IN CUBIC FEET PER SECOND	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	3000	60	486	90
JAN 06...	4230	21	240	87
FEB 07...	12000	216	7000	89
APR 02...	6850	80	1480	91
JUL 17...	2030	47	258	93

< Actual value is known to be less than the value shown.

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	54	509	E 323	36400	33	349	44	968	20	201	25	278
2	70	773	E 256	28300	31	326	94	2330	20	197	26	282
3	48	508	203	20500	27	294	45	855	18	173	25	254
4	45	429	163	14200	26	280	31	480	18	173	31	301
5	39	342	128	8500	23	245	28	390	37	461	32	301
6	44	354	104	4970	24	254	22	285	138	3580	32	292
7	42	310	96	3530	21	218	22	276	207	7490	28	249
8	44	303	83	2600	18	184	20	274	144	5020	32	281
9	38	248	73	2050	22	219	21	309	98	2910	36	312
10	38	241	71	1820	38	373	19	271	83	2050	37	317
11	38	236	64	1520	40	392	20	309	73	1660	40	340
12	40	244	63	1380	58	678	23	384	75	1720	44	384
13	43	261	58	1160	163	4410	21	323	55	1210	105	1540
14	38	228	55	990	196	7890	20	279	47	958	152	3810
15	43	254	55	890	225	11100	15	190	45	809	136	3660
16	45	286	53	761	234	12400	17	201	42	669	109	2630
17	59	478	52	678	159	7600	18	203	37	538	86	1950
18	55	453	47	567	98	3680	18	197	35	492	76	1610
19	49	361	49	566	71	2200	20	225	35	481	70	1450
20	45	312	46	510	56	1570	25	292	43	548	105	2650
21	41	277	40	429	51	1360	21	234	40	477	364	15800
22	49	324	33	342	47	1180	20	214	35	401	459	26800
23	58	424	28	281	41	962	16	166	32	367	378	24900
24	56	426	28	274	36	772	15	152	34	404	268	18200
25	66	615	27	259	34	667	16	161	34	403	199	12700
26	89	1040	26	244	28	515	20	224	30	350	170	10100
27	128	1950	31	284	25	431	23	286	29	333	154	8400
28	125	2370	53	557	24	395	16	189	29	328	151	7580
29	128	5010	51	610	25	444	17	189	---	---	138	6300
30	438	36700	41	467	22	385	18	194	---	---	122	4940
31	422	44200	---	---	20	335	18	188	---	---	112	3810
TOTAL	---	100466	---	135639	---	62108	---	11238	---	34403	---	162421
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	89	2400	35	263	184	9090	37	266	48	293	43	230
2	78	1670	42	308	170	8260	39	289	48	279	44	223
3	64	1110	46	334	172	8030	46	385	47	260	56	328
4	56	813	50	402	150	6400	50	420	47	253	65	439
5	51	650	49	422	125	4620	48	358	50	263	59	376
6	47	543	44	353	107	3210	39	265	49	251	55	331
7	48	513	43	319	108	2850	39	255	50	254	58	357
8	37	376	41	292	93	2120	42	271	50	254	56	328
9	36	348	41	284	88	1590	46	287	47	239	49	273
10	35	325	40	272	75	1120	46	281	48	249	48	263
11	29	263	37	251	69	969	47	308	52	292	46	242
12	34	316	45	340	70	1060	50	352	66	454	46	232
13	43	506	46	381	67	1010	46	315	60	402	46	226
14	58	825	36	276	69	982	45	287	48	293	53	258
15	52	757	37	272	64	890	52	313	48	302	51	251
16	39	505	47	379	60	844	55	330	48	299	51	263
17	34	384	56	442	58	739	54	334	47	274	51	278
18	31	316	63	503	60	658	E 54	340	44	249	52	277
19	32	308	112	1310	65	648	60	386	44	248	48	241
20	33	319	143	2500	61	588	60	399	50	274	48	233
21	32	336	91	1480	61	565	54	354	53	280	50	247
22	40	458	108	1820	63	551	62	415	54	281	51	260
23	42	499	87	1310	59	495	60	389	52	271	52	270
24	40	429	79	1050	56	455	58	381	50	261	46	233
25	32	306	66	800	48	373	87	700	50	258	50	247
26	33	290	87	1120	43	315	104	1010	45	226	53	259
27	32	269	131	2240	35	245	78	676	40	198	54	260
28	33	268	136	3280	36	243	58	418	38	193	58	276
29	28	221	210	7030	35	233	55	358	38	195	47	218
30	33	253	253	10200	35	242	55	358	42	214	48	219
31	---	---	247	11500	---	---	52	333	44	236	---	---
TOTAL	---	16576	---	51733	---	59395	---	11833	---	8295	---	8138

E Estimated.

02491500 BOGUE CHITTO AT FRANKLINTON, LA

LOCATION.--Lat 30°50'34", long 90°09'43", in SE 1/4 SE 1/4 sec.26, T.2 S., R.10 E., Washington Parish, Hydrologic Unit 03180005, at bridge on State Highway 10, 0.8 mi west of Franklinton, and 3.5 mi upstream from Lawrence Creek.

DRAINAGE AREA.--990 mi².

PERIOD OF RECORD.--August 1928 to September 1931, October 1938 to September 1957. February to September 1975, July 1976 to current year (gage heights and discharge measurements). Gage-height records collected in this vicinity since 1922 are contained in reports of the National Weather Service.

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 123.81 ft above National Geodetic Vertical Datum of 1929. August 1928 to September 1931, nonrecording gage at site about 0.2 mi downstream. October 1938 to September 1957, non-recording gage; February to September 1975 and since July 1976 water-stage recorder at present site. Prior to September 1931 at datum 2.00 ft higher; October 1938 to September 1957 and February to September 1975 at datum 1.00 ft higher.

AVERAGE DISCHARGE.--22 years (water years 1929-31, 1939-57), 1,596 ft³/s, 22.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s Apr. 7, 1983, gage height, 24.69 ft; minimum discharge, 350 ft³/s Nov. 6-8, 1938; minimum gage height, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 28.6 ft, at former site and present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,500 ft³/s Oct. 31, gage height, 13.63 ft; minimum gage height, 0.66 ft Sept. 29, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.56	12.56	1.70	3.36	1.51	1.35	1.33	1.06	3.45	1.15	.93	.75
2	2.04	7.85	1.82	3.20	1.48	1.33	1.30	1.05	3.28	1.08	.86	.73
3	2.48	5.06	1.76	2.83	1.47	1.33	1.27	1.01	2.89	1.07	.84	1.39
4	1.85	3.78	1.75	2.31	1.47	1.36	1.24	.99	1.97	1.01	.84	1.05
5	1.53	3.23	1.69	2.10	5.30	1.29	1.23	1.10	1.65	.98	.79	.86
6	1.38	2.89	1.66	1.92	6.08	1.26	1.20	1.01	1.56	.96	.87	.92
7	1.29	2.65	1.64	1.87	5.16	1.23	1.19	.99	1.53	1.02	.80	.86
8	1.24	2.48	1.61	2.05	3.73	1.21	1.17	.97	1.50	1.03	.83	.82
9	1.20	2.33	1.60	1.91	2.64	1.21	1.17	.95	1.35	.91	.78	.78
10	1.17	2.22	1.59	1.92	2.24	1.21	1.13	.94	1.42	.90	.80	.76
11	1.15	2.15	1.59	2.20	3.23	1.21	1.13	1.22	1.36	.99	.97	.75
12	1.13	2.07	2.00	2.13	2.42	1.21	1.22	1.94	1.30	.94	1.11	.78
13	1.15	2.02	4.39	2.10	2.13	6.38	2.22	1.18	1.22	.89	1.37	.77
14	1.14	1.97	4.92	1.93	1.94	5.91	2.43	1.08	1.16	.86	1.87	.75
15	1.11	1.94	4.39	1.82	1.90	4.62	2.25	1.03	1.10	1.07	1.26	.72
16	1.53	1.90	3.87	1.74	1.82	3.01	1.65	1.02	1.08	1.22	1.28	.73
17	1.39	1.87	2.70	1.69	1.76	2.76	1.41	.98	1.12	1.31	.97	.71
18	1.25	1.84	2.31	1.68	1.88	2.32	1.31	1.18	1.82	.99	.93	.71
19	1.20	1.82	2.10	1.68	1.76	2.03	1.24	2.57	2.10	.95	.91	.70
20	1.23	1.80	1.94	1.62	1.68	4.52	1.45	3.58	1.64	.93	.85	.76
21	1.32	1.76	1.83	1.58	1.62	4.33	1.93	3.12	1.50	1.19	.81	.92
22	1.28	1.74	1.76	1.56	1.57	3.78	1.99	2.15	1.24	.96	.80	.82
23	1.30	1.73	1.71	1.55	1.53	2.50	1.93	1.53	1.21	1.66	.80	.81
24	1.74	1.72	1.67	1.51	1.48	2.06	1.51	1.32	1.14	1.41	.83	.80
25	2.15	1.71	1.62	1.50	1.45	1.84	1.33	1.27	1.11	1.26	.78	.74
26	1.93	1.70	1.57	2.06	1.42	1.69	1.25	3.17	1.08	1.05	.77	.71
27	1.64	1.69	1.54	1.90	1.41	1.59	1.20	2.59	1.03	.97	.76	.70
28	2.81	1.73	2.21	1.77	1.37	1.52	1.16	3.60	1.01	1.18	.78	.70
29	7.64	1.80	2.20	1.65	---	1.45	1.13	4.34	1.06	1.04	.76	.68
30	11.12	1.72	1.94	1.60	---	1.40	1.10	4.77	1.23	1.49	.75	.67
31	13.29	---	1.82	1.54	---	1.36	---	4.91	---	1.08	.82	---
MAX	13.29	12.56	4.92	3.36	6.08	6.38	2.43	4.91	3.45	1.66	1.87	1.39
MIN	1.11	1.69	1.54	1.50	1.37	1.21	1.10	.94	1.01	.86	.75	.67

02492000 BOGUE CHITTO NEAR BUSH, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°37'45", long 89°53'50", in SE 1/4 NE 1/4 lot 42, T.5 S., R.13 E., St. Tammany Parish, Hydro-logic Unit 03180005, near center of span on downstream side of bridge on State Highway 21, 0.2 mi downstream from Illinois Central Gulf Railroad bridge, and 1.4 mi north of Bush.

DRAINAGE AREA.--1,213 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 44.25 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1954, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Sept. 11, 14-19, 26-30. Records good, except those for periods of estimated discharge which are fair.

AVERAGE DISCHARGE.--49 years, 1,904 ft³/s, 21.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,700 ft³/s Apr. 8, 1983, gage height, 21.22 ft; minimum, 366 ft³/s Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 1	1830	*20600	*12.65	No other peak greater than base discharge.			

Minimum daily discharge, 610 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	20000	1180	1830	1190	1120	1120	921	3320	932	816	694
2	1270	18600	1180	2520	1170	1100	1100	904	2680	910	754	665
3	1520	11600	1190	2380	1160	1090	1080	887	2340	876	741	697
4	1550	5790	1160	2030	1180	1150	1060	871	1910	848	718	906
5	1270	3370	1120	1720	1830	1160	1050	881	1460	809	698	789
6	1100	2600	1090	1550	3780	1120	1040	901	1260	785	684	779
7	1010	2190	1060	1520	5250	1080	1020	869	1170	773	721	736
8	965	1920	1050	1640	4390	1060	1010	853	1170	784	687	707
9	936	1740	1040	1650	3200	1040	999	843	1100	798	698	677
10	922	1620	1040	1560	2280	1040	981	833	1060	762	691	660
11	904	1540	1060	1690	2120	1030	963	849	1070	766	726	640
12	889	1470	1340	1810	2320	1090	1010	1120	1020	795	858	650
13	895	1410	2830	1700	1890	2190	1260	1130	979	752	917	664
14	896	1370	3960	1590	1670	4020	1620	940	936	727	1110	650
15	884	1330	4060	1470	1560	4630	1720	887	903	717	1120	670
16	928	1300	3620	1390	1510	3670	1490	865	950	771	953	710
17	1130	1270	2950	1340	1460	2530	1220	844	986	864	892	770
18	1060	1230	2160	1310	1510	2090	1100	862	1000	873	800	750
19	984	1210	1770	1300	1540	1790	1050	1120	1230	787	768	720
20	951	1190	1580	1280	1440	1950	1120	1670	1320	782	741	730
21	966	1160	1460	1250	1360	3070	1410	2210	1280	785	712	745
22	994	1130	1380	1220	1310	3190	1460	1990	1150	840	696	743
23	995	1120	1330	1200	1260	2690	1480	1420	1110	817	688	691
24	1050	1110	1290	1180	1230	1950	1320	1130	1040	1030	696	689
25	1230	1100	1250	1200	1200	1620	1150	1020	939	1040	685	679
26	1400	1090	1210	1430	1170	1460	1060	1340	899	939	671	670
27	1310	1090	1190	1590	1150	1360	1010	1950	862	839	667	640
28	1780	1250	1330	1450	1140	1280	985	1950	847	802	695	630
29	3170	1300	1750	1360	---	1230	966	2540	866	825	688	620
30	7700	1260	1650	1280	---	1180	944	2890	880	929	673	610
31	15900	---	1480	1230	---	1150	---	3210	---	951	694	---
TOTAL	57729	94360	51760	47670	52270	56130	34798	40700	37737	25908	23658	20981
MEAN	1862	3145	1670	1538	1867	1811	1160	1313	1258	836	763	699
MAX	15900	20000	4060	2520	5250	4630	1720	3210	3320	1040	1120	906
MIN	884	1090	1040	1180	1140	1030	944	833	847	717	667	610
CFSM	1.54	2.59	1.38	1.27	1.54	1.49	.96	1.08	1.04	.69	.63	.58
IN.	1.77	2.89	1.59	1.46	1.60	1.72	1.07	1.25	1.16	.79	.73	.64

CAL YR 1985	TOTAL	689930	MEAN	1890	MAX	20000	MIN	624	CFSM	1.56	IN.	21.16
WTR YR 1986	TOTAL	543701	MEAN	1490	MAX	20000	MIN	610	CFSM	1.23	IN.	16.67

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.35	12.55	4.36	5.67	4.38	4.22	4.23	3.76	8.04	3.79	3.50	3.17
2	4.56	12.33	4.37	6.87	4.34	4.18	4.18	3.72	7.11	3.73	3.34	3.09
3	5.07	11.13	4.39	6.64	4.31	4.16	4.14	3.68	6.57	3.65	3.30	3.18
4	5.14	9.69	4.31	6.04	4.36	4.28	4.10	3.64	5.81	3.58	3.24	3.72
5	4.55	8.11	4.24	5.47	5.64	4.31	4.07	3.66	4.95	3.48	3.19	3.43
6	4.18	6.99	4.16	5.14	8.58	4.22	4.04	3.71	4.53	3.42	3.15	3.40
7	3.98	6.32	4.10	5.08	9.59	4.13	4.00	3.63	4.34	3.39	3.25	3.29
8	3.87	5.85	4.06	5.31	9.21	4.08	3.97	3.59	4.34	3.41	3.15	3.21
9	3.80	5.51	4.04	5.34	7.87	4.05	3.95	3.56	4.17	3.45	3.19	3.13
10	3.76	5.27	4.04	5.16	6.46	4.04	3.90	3.54	4.08	3.36	3.17	3.08
11	3.72	5.11	4.08	5.41	6.20	4.03	3.86	3.58	4.12	3.37	3.26	---
12	3.68	4.97	4.69	5.64	6.55	4.16	3.97	4.21	4.00	3.44	3.60	---
13	3.69	4.86	7.31	5.43	5.79	6.24	4.54	4.25	3.90	3.33	3.75	3.09
14	3.70	4.77	8.88	5.22	5.36	8.89	5.28	3.81	3.80	3.26	4.20	---
15	3.67	4.69	9.00	4.98	5.15	9.37	5.46	3.67	3.71	3.24	4.23	---
16	3.78	4.62	8.46	4.81	5.04	8.51	5.01	3.62	3.83	3.38	3.84	---
17	4.26	4.55	7.51	4.70	4.95	6.88	4.46	3.57	3.92	3.62	3.69	---
18	4.10	4.48	6.26	4.64	5.05	6.14	4.19	3.61	3.95	3.64	3.45	---
19	3.91	4.43	5.56	4.62	5.12	5.60	4.06	4.23	4.48	3.42	3.37	---
20	3.83	4.38	5.19	4.58	4.91	5.87	4.23	5.36	4.66	3.41	3.30	---
21	3.87	4.32	4.95	4.51	4.76	7.69	4.84	6.35	4.58	3.41	3.22	3.31
22	3.94	4.25	4.79	4.45	4.64	7.86	4.96	5.97	4.28	3.56	3.18	3.31
23	3.94	4.22	4.68	4.40	4.54	7.13	4.99	4.87	4.21	3.50	3.16	3.16
24	4.07	4.20	4.60	4.36	4.47	5.89	4.67	4.25	4.04	4.03	3.18	3.16
25	4.47	4.19	4.51	4.41	4.40	5.27	4.29	3.99	3.80	4.04	3.15	3.13
26	4.83	4.17	4.42	4.88	4.34	4.95	4.10	4.68	3.71	3.80	3.11	---
27	4.64	4.17	4.37	5.21	4.30	4.74	3.98	5.90	3.61	3.56	3.10	---
28	5.56	4.51	4.69	4.94	4.26	4.59	3.91	5.89	3.58	3.46	3.18	---
29	7.80	4.63	5.53	4.74	---	4.47	3.87	6.90	3.62	3.52	3.16	---
30	10.20	4.54	5.32	4.58	---	4.37	3.82	7.44	3.66	3.78	3.12	---
31	11.90	---	5.00	4.47	---	4.29	---	7.90	---	3.83	3.17	---
MAX	11.90	12.55	9.00	6.87	9.59	9.37	5.46	7.90	8.04	4.04	4.23	---
MIN	3.67	4.17	4.04	4.36	4.26	4.03	3.82	3.54	3.58	3.24	3.10	---

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-55, 1965-68, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURES: October 1974 to September 1981.

INSTRUMENTATION.--Water-quality monitor October 1975 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 402 micromhos July 11, 1976; minimum, 13 micromhos Feb. 10, 1981.

WATER TEMPERATURES: Maximum, 33.0°C June 26, 1977, July 24, 25, 1981; minimum, 5.0°C Jan. 19, 20, 1977, Jan. 20, 21, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 17...	1430	1080	42	6.10	24.0	5	6.5	7.7	--	K1600	580
DEC 02...	1015	1140	45	6.70	17.5	6	7.2	8.5	0.4	130	130
FEB 04...	0930	1130	45	6.50	17.5	5	4.0	9.2	0.7	K24	1700
APR 02...	1100	1050	45	6.70	21.0	10	5.0	8.9	1.7	42	K56
JUN 03...	1000	2320	48	6.90	26.0	60	38	7.0	1.5	220	560
AUG 22...	0945	649	40	6.80	--	15	11	7.7	1.2	180	88

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 17...	8	1.8	0.75	3.6	1.3	9	1.3	6.3	<0.1	10
DEC 02...	10	2.3	1.0	4.4	1.3	9	3.9	6.5	<0.1	10
FEB 04...	9	2.0	0.90	4.4	1.1	7	2.6	6.7	<0.1	8.9
APR 02...	9	2.1	0.90	4.4	1.3	8	5.2	6.5	<0.1	11
JUN 03...	10	2.3	0.96	3.3	2.0	5	5.7	5.1	<0.1	8.4
AUG 22...	8	1.8	0.94	3.9	1.5	10	2.9	5.9	<0.1	9.3

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 17...	32	30	0.01	0.24	0.10	0.09	0.3	0.04	0.04	0.01
DEC 02...	34	34	<0.01	0.16	0.04	0.06	0.4	0.06	0.03	0.03
FEB 04...	34	31	<0.01	0.11	0.03	0.03	0.4	0.03	0.01	<0.01
APR 02...	38	37	<0.01	0.17	0.01	0.02	0.3	0.04	0.03	0.01
JUN 03...	36	30	<0.01	0.26	0.06	0.05	0.6	0.09	0.04	0.02
AUG 22...	34	33	0.01	<0.10	0.01	0.02	0.3	0.06	0.04	0.02

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 17...	20	<1	24	<0.5	<1	<1	<3	2	160	<5
FEB 04...	40	<1	28	<0.5	<1	<1	<3	<1	160	<5
APR 02...	40	<1	32	<0.5	<1	<1	<3	1	220	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 17...	5	39	<0.1	<10	1	<1	<1	19	<6	6
FEB 04...	<4	53	0.2	<10	<1	<1	<1	23	<6	<3
APR 02...	<4	65	<0.1	<10	1	<1	<1	24	<6	15

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	30	87	80
DEC 02...	18	55	55
FEB 04...	12	37	83
APR 02...	14	40	86
JUN 03...	69	432	96
AUG 22...	20	35	92

< Actual value is known to be less than the value shown.

02492600 PEARL RIVER AT PEARL RIVER, LA

LOCATION.--Lat 30°23'06", long 89°44'12", in NW 1/4 NW 1/4 sec.6, T.8 S., R.15 E., St. Helena meridian, St. Tammany Parish, Hydrologic Unit 03180004, on left bank on downstream side of Norfolk and Southern Railroad bridge over West Pearl River, 700 ft upstream from Interstate Highway 59, and 0.8 mi northeast of town of Pearl River.

DRAINAGE AREA.--8,494 mi², Includes East Pearl River.

PERIOD OF RECORD.--October 1963 to September 1970. October 1975 to current year (gage heights and discharge measurements only). Daily discharge records October 1961 to September 1963 and gage heights only October 1970 to September 1975 in files of Corps of Engineers, Mobile district. Gage-height records since June 1906 are in reports of National Weather Service and gage-height records October 1899 to May 1906 (collected by Southern Railway System) are in files of National Weather Service, Meridian, MS.

REVISED RECORDS.--WDR LA-1981-2: 1980(M); Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 0.05 ft below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers, Mobile District). Prior to September 1970, supplemental gage located on East Pearl River at different datum for the determination of daily mean discharge for the entire flood plain.

REMARKS.--Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers. Records since October 1975 represent stages for the West Pearl River only.

AVERAGE DISCHARGE.--7 years (water years 1964-70) 9,470 ft³/s, 14.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 230,000 ft³/s Apr. 9, 1983, gage height, 21.05 ft; minimum daily discharge, 1,580 ft³/s Oct. 24, Nov. 10, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed since October 1899 is that of Apr. 9, 1983. Flood of 1874 reached a stage of 20.2 ft, furnished by Corps of Engineers. Southern Railway System reported a stage of 19.7 ft Apr. 19, 1900.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 55,400 ft³/s Nov. 3, gage height, 15.91 ft; minimum gage height, 3.19 ft Sept. 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.48	14.65	---	8.17	6.24	6.18	11.24	4.91	10.94	4.15	4.10	3.56
2	6.66	15.51	---	8.31	6.10	6.12	10.72	4.72	11.55	4.26	3.84	3.69
3	6.95	15.89	---	9.13	5.98	6.07	9.95	4.53	11.83	4.38	3.76	3.67
4	7.13	15.72	6.06	9.67	5.92	6.02	9.01	4.49	11.83	4.49	3.59	3.57
5	6.90	15.09	6.10	9.11	6.71	5.98	8.13	4.59	11.84	4.74	3.42	3.99
6	6.35	14.25	6.01	8.23	7.33	5.89	7.34	4.88	11.52	4.60	3.35	4.17
7	5.85	---	5.94	7.66	8.86	5.71	6.74	4.95	11.00	4.32	3.26	4.11
8	5.47	---	5.92	7.43	10.67	5.59	6.28	4.71	10.34	4.12	3.29	4.08
9	5.20	---	5.87	7.42	11.72	5.48	5.94	4.50	9.72	4.07	3.24	4.03
10	4.98	---	5.82	7.69	11.70	5.44	5.74	4.32	9.12	3.98	3.28	3.87
11	4.75	---	5.80	7.82	11.05	5.38	5.53	4.36	8.29	3.83	3.31	3.75
12	4.61	---	5.92	7.89	10.26	5.33	5.35	4.43	7.51	3.76	3.60	3.63
13	4.56	9.46	7.31	8.14	9.85	5.61	5.47	4.66	7.13	3.94	3.94	3.49
14	4.55	9.08	9.19	8.16	9.56	6.89	5.93	5.03	7.10	4.02	4.28	3.42
15	4.53	8.69	10.71	7.87	9.33	8.85	6.81	4.97	7.01	3.88	4.33	3.32
16	4.51	8.28	11.82	7.42	8.92	10.37	7.34	4.78	6.79	3.69	4.45	3.27
17	4.59	7.84	12.29	7.01	8.48	10.82	7.26	4.76	6.87	3.63	4.08	3.34
18	5.02	7.37	12.41	6.73	8.02	10.29	6.73	4.87	6.83	3.74	3.89	3.54
19	5.48	6.96	12.12	6.53	7.67	9.70	6.17	4.89	6.42	3.85	3.56	3.66
20	5.40	6.64	11.50	6.38	7.47	9.39	6.02	5.26	6.16	3.77	3.49	3.68
21	5.14	6.39	10.75	6.41	7.26	9.21	5.98	6.66	6.05	3.84	3.50	3.66
22	5.01	6.26	10.18	6.40	6.99	9.88	6.08	7.74	5.92	3.86	3.57	3.59
23	5.03	6.11	9.84	6.26	6.69	11.10	6.32	7.94	5.66	4.01	3.49	3.56
24	4.99	5.99	9.55	6.13	6.51	12.02	6.51	7.72	5.45	4.02	3.35	3.55
25	5.21	5.89	9.22	6.06	6.43	12.48	6.42	7.18	5.27	4.15	3.28	3.52
26	5.53	5.84	8.85	6.24	6.44	12.64	6.02	6.69	5.04	4.41	3.30	3.46
27	6.39	---	8.49	6.41	6.38	12.59	5.65	6.65	4.77	4.89	3.32	3.40
28	8.23	---	8.26	6.77	6.27	12.45	5.37	7.42	4.51	5.09	3.28	3.27
29	9.14	---	8.08	6.88	---	12.17	5.16	8.18	4.35	4.72	3.29	3.19
30	11.19	---	8.16	6.65	---	11.89	5.04	9.13	4.17	4.25	3.39	3.28
31	12.98	---	8.28	6.41	---	11.59	---	10.16	---	4.09	3.51	---
MAX	12.98	15.89	12.41	9.67	11.72	12.64	11.24	10.16	11.84	5.09	4.45	4.17
MIN	4.51	---	---	6.06	5.92	5.33	5.04	4.32	4.17	3.63	3.24	3.19

02492665 CANAL W-15 AT SERVICE ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'31", long 89°44'45", in sec.1, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of bridge on service road, 0.5 mi north of the intersection of U.S. 190 and Interstate 10, and 2.4 mi northeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Datum of gage is 0.68 ft below National Geodetic Vertical Datum of 1929.

EXTREMES FOR CURRENT YEAR.--Maximum gage height during period October to September, 14.92 ft Oct. 28; minimum 10.39 ft Aug. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.85	10.59	10.56	10.57	10.49	10.53	10.51	10.57	10.51	10.59	10.56
2	---	10.75	10.59	10.56	10.57	10.48	10.52	10.51	10.56	10.50	10.56	10.54
3	---	10.68	10.55	10.55	10.59	10.47	10.52	10.49	10.56	10.50	10.53	10.53
4	---	10.62	10.54	10.56	10.60	10.47	10.51	10.49	10.56	10.50	10.51	10.88
5	---	10.60	10.54	10.56	10.62	10.47	10.51	10.49	10.55	10.50	10.50	10.64
6	---	10.59	10.53	10.55	10.62	10.45	10.50	10.49	10.55	10.50	10.48	10.56
7	---	10.58	10.52	10.62	10.62	10.44	10.50	10.50	10.55	10.50	10.46	10.54
8	---	10.58	10.52	10.61	10.62	10.43	10.50	10.50	10.55	10.51	10.44	10.53
9	---	10.58	10.52	10.61	10.62	10.42	10.48	10.50	10.61	10.50	10.42	10.52
10	---	10.58	10.52	10.62	10.62	10.42	10.46	10.49	10.78	10.49	10.43	10.51
11	---	10.57	10.55	10.62	10.62	10.42	10.45	10.49	10.67	10.47	10.98	10.51
12	---	10.57	10.62	10.61	10.58	10.74	10.50	10.58	10.58	10.46	10.73	10.54
13	---	10.57	10.62	10.59	10.56	10.71	10.55	10.55	10.56	10.44	10.58	10.56
14	---	10.57	10.62	10.57	10.58	10.60	10.53	10.55	10.55	10.42	10.58	10.53
15	---	10.57	10.62	10.57	10.61	10.58	10.53	10.53	10.55	10.44	10.69	10.52
16	---	10.56	10.62	10.57	10.57	10.57	10.51	10.51	10.58	10.54	10.61	10.50
17	---	10.56	10.59	10.57	10.57	10.56	10.50	10.50	10.60	10.52	10.56	10.50
18	---	10.56	10.57	10.60	10.57	10.55	10.49	10.50	10.57	10.51	10.58	10.49
19	---	10.56	10.56	10.59	10.56	10.66	10.53	10.69	10.57	10.50	10.55	10.50
20	---	10.55	10.56	10.57	10.56	10.94	10.82	10.54	10.58	10.49	10.53	10.84
21	---	10.54	10.55	10.57	10.55	10.62	10.58	10.50	10.57	10.50	10.51	10.76
22	---	10.54	10.54	10.57	10.55	10.58	10.54	10.49	10.56	10.53	10.52	10.58
23	---	10.54	10.55	10.56	10.53	10.57	10.52	10.48	10.55	10.51	10.52	10.55
24	10.64	10.53	10.54	10.56	10.53	10.56	10.51	10.47	10.54	10.51	10.51	10.54
25	10.63	10.53	10.53	10.59	10.52	10.56	10.51	10.47	10.53	10.53	10.50	10.53
26	10.61	10.55	10.52	10.62	10.51	10.55	10.51	11.22	10.52	10.53	10.50	10.52
27	11.32	10.59	10.52	10.61	10.51	10.55	10.51	10.76	10.52	10.67	10.49	10.51
28	12.08	10.62	10.60	10.59	10.50	10.55	10.51	10.69	10.51	10.74	10.47	10.50
29	11.54	10.62	10.58	10.58	---	10.54	10.51	10.83	10.51	10.57	10.44	10.50
30	11.21	10.59	10.56	10.58	---	10.54	10.50	10.61	10.51	10.55	10.56	10.49
31	11.09	---	10.56	10.57	---	10.54	---	10.57	---	10.54	10.64	---
MAX	12.08	10.85	10.62	10.62	10.62	10.94	10.82	11.22	10.78	10.74	10.98	10.88
MIN	---	10.53	10.52	10.55	10.50	10.42	10.45	10.47	10.51	10.42	10.42	10.49

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

LOCATION.--Lat 31°00'30", long 91°37'25", in lot 6, T.1 N., R.5 W., Wilkinson County, Hydrologic Unit 08060100, near left bank at Tarbert Landing, 2.5 mi upstream from Lower Old River, 8.2 mi downstream from Inlet channel to Old River Control Structure, and at river mile 306.3.

DRAINAGE AREA.--1,124,900 mi², contributing.

PERIOD OF RECORD.--Water years 1973-85.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1985.

REMARKS.--Records for the 1986 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 01100.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,490,000 tons Jan. 14, 1985; minimum daily, 24,000 tons Aug. 15, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
01...	1115	214000	151	87200	89
16...	1115	236000	366	233000	96
NOV					
01...	1230	568000	513	787000	89
13...	1215	634000	563	964000	85
26...	1215	616000	253	421000	81
DEC					
10...	1315	656000	302	535000	74
26...	1130	676000	383	699000	69
JAN					
14...	1215	936000	604	1530000	56
31...	1215	460000	222	276000	95
FEB					
14...	1235	639000	422	728000	69
28...	1215	753000	320	651000	70
MAR					
11...	1145	1050000	274	777000	97
25...	1215	1050000	335	950000	65
APR					
08...	1215	885000	272	650000	84
22...	1215	945000	173	441000	81
MAY					
06...	1115	698000	294	554000	84
20...	1145	609000	308	506000	88
JUN					
03...	1145	423000	247	282000	93
JUL					
08...	1145	344000	235	218000	95
22...	1145	291000	172	135000	96
AUG					
05...	1115	231000	168	105000	92
19...	1115	288000	197	153000	96
SEP					
03...	1245	325000	218	191000	97
16...	1145	264000	161	115000	96
30...	1145	224000	175	106000	82

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87000	786000	490000	976000	285000	680000	834000	487000	307000	293000	109000	187000
2	93000	785000	490000	1010000	289000	711000	781000	492000	288000	283000	107000	188000
3	99000	770000	489000	1040000	295000	734000	751000	506000	282000	273000	107000	191000
4	105000	748000	488000	1060000	300000	745000	690000	517000	280000	264000	105000	188000
5	110000	735000	494000	1090000	315000	751000	673000	532000	273000	253000	105000	183000
6	114000	747000	503000	1130000	332000	752000	659000	553000	264000	243000	107000	177000
7	116000	779000	512000	1180000	341000	792000	653000	559000	257000	231000	109000	168000
8	122000	822000	519000	1250000	359000	793000	649000	564000	252000	218000	114000	162000
9	130000	860000	529000	1310000	388000	785000	638000	576000	247000	205000	124000	155000
10	144000	895000	534000	1370000	439000	780000	625000	586000	248000	196000	137000	147000
11	163000	920000	531000	1420000	511000	776000	617000	601000	252000	189000	149000	141000
12	175000	941000	516000	1470000	597000	799000	604000	613000	266000	187000	153000	139000
13	188000	963000	495000	1500000	660000	821000	594000	627000	286000	183000	154000	139000
14	201000	915000	475000	1530000	727000	840000	584000	633000	307000	177000	141000	135000
15	220000	802000	465000	1450000	721000	859000	572000	635000	317000	169000	145000	125000
16	233000	708000	449000	1360000	703000	874000	560000	619000	328000	163000	136000	115000
17	229000	662000	436000	1270000	687000	888000	547000	602000	341000	156000	146000	108000
18	232000	614000	429000	1180000	676000	903000	531000	576000	353000	151000	151000	104000
19	233000	577000	428000	1080000	664000	914000	511000	545000	375000	147000	153000	100000
20	234000	554000	438000	986000	653000	921000	490000	506000	386000	144000	159000	96000
21	240000	536000	457000	871000	632000	933000	467000	476000	384000	141000	165000	92000
22	343000	514000	494000	768000	612000	940000	441000	452000	381000	136000	170000	90000
23	407000	498000	543000	678000	590000	943000	444000	427000	371000	136000	157000	88000
24	463000	472000	596000	619000	573000	946000	446000	408000	357000	135000	156000	89000
25	525000	443000	641000	541000	582000	949000	447000	389000	346000	136000	162000	90000
26	594000	420000	698000	471000	590000	937000	447000	377000	338000	134000	169000	90000
27	599000	434000	746000	413000	635000	927000	458000	369000	335000	132000	176000	92000
28	647000	455000	798000	371000	650000	916000	468000	358000	328000	128000	181000	97000
29	709000	468000	842000	334000	---	900000	475000	350000	321000	121000	185000	99000
30	749000	479000	896000	300000	---	883000	480000	339000	310000	115000	187000	106000
31	776000	---	940000	275000	---	862000	---	324000	---	111000	187000	---
TOTAL	9280000	20302000	17361000	30303000	14806000	26254000	17136000	15598000	9380000	5550000	4506000	3881000
MEAN	299000	677000	560000	978000	529000	847000	571000	503000	313000	179000	145000	129000
MAX	776000	963000	940000	1530000	727000	949000	834000	635000	386000	293000	187000	191000
MIN	87000	420000	428000	275000	285000	680000	441000	324000	247000	111000	105000	88000
WTR YR 1985 TOTAL	174357000		MEAN	478000	MAX	1530000	MIN	87000				

07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.--Lat 32°53'35", long 93°49'20", in SW 1/4 sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi downstream from Dry Bayou, and 3.2 mi east of Hosston.

DRAINAGE AREA.--57,041 mi², of which 5,936 mi² above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (daily gage heights and discharges below 5,000 ft³/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.--No estimated daily discharges. Records poor. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft). Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 17,920 ft³/s, 12,980,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,000 ft³/s May 7, 1958, gage height, 27.89 ft; minimum daily, 803 ft³/s Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.38 ft June 9, minimum discharge, 1,260 ft³/s Oct. 14, gage height, 1.24 ft, from graph based on gage readings.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2300											2890
2	2260				4390							2920
3	2320				4100							2940
4	2410											4980
5	2320											4820
6	2230											
7	2260											
8	2230											
9	2000											
10	1870											
11	1740											
12	1520											
13	1310											
14	1310											
15	1380											
16	1450											
17	1490											
18	1730										4980	
19	3700										4980	
20	4620			4860								
21	4740			4660								
22				4700								
23												
24												
25											4720	
26				4820							4600	
27				4880							4470	
28				4840	---						4180	
29				4940	---						3910	
30		---			---		---		---		3470	---
31		---			---		---		---		3090	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	1310	---	---	4660	4100	---	---	---	---	---	3090	2890

07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.96	7.47	13.22	7.06	3.56	7.68	4.58	14.41	11.75	10.68	3.76	2.20
2	1.93	7.61	13.65	7.03	3.17	7.39	4.31	14.32	11.69	9.75	3.72	2.22
3	1.97	8.44	13.88	7.03	3.02	7.07	4.02	14.17	11.95	9.17	3.67	2.23
4	2.03	8.54	13.87	6.85	4.75	6.68	3.83	13.70	12.65	8.82	3.63	3.35
5	1.97	8.28	13.75	6.53	6.48	6.21	5.46	12.74	13.43	8.47	3.62	3.27
6	1.91	7.96	13.62	6.28	11.50	6.06	9.07	11.48	13.97	8.42	3.62	3.37
7	1.93	7.65	13.34	6.10	14.15	5.87	14.01	11.02	14.60	7.77	3.62	3.49
8	1.91	7.13	13.17	5.70	14.42	5.55	14.65	10.83	15.73	7.52	3.90	3.45
9	1.76	6.87	13.00	5.56	14.14	5.14	14.81	10.34	16.30	7.17	4.04	3.40
10	1.67	6.66	12.84	5.45	13.97	4.55	13.09	9.50	15.62	6.84	4.03	4.15
11	1.58	6.52	13.40	5.23	13.62	4.39	12.68	8.80	15.15	6.40	4.00	6.05
12	1.43	6.46	14.97	5.02	13.28	4.28	12.33	8.20	15.31	6.18	4.00	6.90
13	1.28	6.72	16.15	4.86	12.90	4.07	12.24	7.66	15.62	6.05	3.93	6.99
14	1.28	7.24	15.71	4.77	12.59	4.20	12.05	7.50	15.24	5.82	3.80	6.85
15	1.33	7.37	14.96	4.69	12.50	4.35	11.82	7.46	14.66	5.61	3.60	6.57
16	1.38	6.61	14.25	4.63	12.42	4.32	11.83	7.41	14.04	5.42	3.45	6.29
17	1.41	6.23	13.60	4.45	12.30	4.63	11.72	7.76	13.17	5.36	3.40	6.15
18	1.57	6.19	12.51	4.12	12.12	5.00	11.42	8.32	12.06	5.23	3.35	6.22
19	2.81	9.59	12.32	3.66	11.87	5.30	10.97	9.18	11.87	5.17	3.35	6.05
20	3.29	11.30	11.95	3.41	11.78	5.30	10.67	11.60	11.90	5.12	3.44	5.58
21	3.35	12.10	11.50	3.31	11.50	5.76	10.92	13.53	12.23	5.05	3.61	5.37
22	3.52	12.66	10.94	3.33	11.23	5.74	12.45	14.24	12.42	5.05	3.67	5.14
23	3.97	12.66	10.50	3.52	10.55	5.60	14.07	14.00	11.57	5.08	3.67	5.16
24	5.23	12.40	10.00	3.63	10.02	6.02	14.59	13.27	11.24	4.98	3.41	5.21
25	6.84	12.27	9.92	3.50	9.55	6.55	14.60	12.15	11.17	4.40	3.22	5.29
26	7.39	11.97	9.84	3.39	8.73	6.80	14.62	11.86	11.31	4.04	3.15	5.48
27	7.34	11.68	8.75	3.42	7.95	6.70	14.56	11.87	11.89	3.96	3.08	5.60
28	7.72	11.59	8.37	3.40	7.74	6.28	14.44	12.43	12.27	3.65	2.92	5.58
29	7.42	12.15	7.92	3.45	---	5.70	14.34	12.50	12.40	3.70	2.78	5.63
30	7.13	12.84	7.53	3.52	---	4.91	14.26	12.65	11.89	3.75	2.54	5.93
31	7.44	---	7.33	3.60	---	4.57	---	12.51	---	3.75	2.32	---
MAX	7.72	12.84	16.15	7.06	14.42	7.68	14.81	14.41	16.30	10.68	4.04	6.99
MIN	1.28	6.19	7.33	3.31	3.02	4.07	3.83	7.41	11.17	3.65	2.32	2.20

07344400 RED RIVER NEAR HOSSTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to September 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1957 to September 1986 (discontinued).

WATER TEMPERATURES: March 1957 to September 1986 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,030 micromhos June 24, 1978; minimum daily, 124 micromhos

Apr. 24, 1979.

WATER TEMPERATURES: Maximum daily, 34.0°C July 12, 13, 21, 1969; minimum daily, 0.0 C°Feb. 8, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,430 microsiemens Sept. 30; minimum daily,

183 microsiemens Dec. 15.

WATER TEMPERATURES: Maximum daily, 33.5°C July 28; minimum daily, 5.0°C Dec. 19, 26.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25°C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	862	1100	359	382	872	344	594	260	500	659	1010	1120
2	872	1090	358	371	1000	334	566	363	530	656	1100	1140
3	880	1230	253	411	1070	307	638	397	530	687	1180	1110
4	882	1110	253	409	808	337	876	353	563	685	1200	1100
5	905	820	252	388	536	337	256	346	556	776	1210	702
6	925	800	253	396	526	338	491	354	512	778	1220	700
7	914	810	253	435	306	548	341	463	500	787	1250	703
8	897	840	253	448	269	545	291	527	450	792	1300	692
9	857	840	265	453	243	597	250	479	404	888	1280	703
10	860	1030	242	451	255	635	322	550	351	887	1220	770
11	857	1030	234	562	218	629	395	559	352	804	1210	770
12	942	1040	211	614	222	804	405	574	421	894	1180	357
13	934	1040	200	641	216	853	418	612	534	897	1150	356
14	849	630	192	860	240	855	344	674	532	979	1150	359
15	852	620	183	936	226	766	340	704	528	977	1120	292
16	856	630	202	934	242	709	340	700	500	980	1120	248
17	845	750	288	944	239	684	400	590	503	966	1120	367
18	833	755	305	938	238	670	400	589	606	950	1140	776
19	652	---	284	916	240	744	412	313	667	963	1260	862
20	672	563	280	868	228	547	425	386	666	987	1260	882
21	733	531	230	838	221	544	416	293	740	991	1290	1220
22	737	547	242	875	208	638	394	330	784	983	1290	1220
23	871	439	268	874	206	638	451	277	543	983	1230	1260
24	695	396	277	806	189	636	312	285	546	990	1240	1220
25	772	398	279	756	185	576	314	280	643	712	1270	1350
26	767	375	327	754	200	578	212	343	642	717	1270	1350
27	736	389	351	771	246	658	263	392	817	714	1060	1400
28	787	399	351	682	301	703	267	472	807	580	1070	1380
29	952	434	331	680	---	713	270	486	794	854	1120	1400
30	956	453	419	759	---	628	250	507	759	1020	1130	1430
31	893	---	427	869	---	631	---	497	---	1080	1140	---
MAX	956	1230	427	944	1070	855	876	704	817	1080	1300	1430
MIN	652	375	183	371	185	307	212	260	351	580	1010	248

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.5	17.0	12.5	8.5	14.0	12.5	21.0	21.5	26.0	29.0	33.0	27.5
2	20.5	16.5	10.5	9.5	14.5	14.5	21.0	22.0	26.0	28.5	33.0	27.0
3	22.0	17.0	12.5	9.0	15.5	14.0	21.5	21.5	26.0	29.0	31.5	27.5
4	22.0	16.0	12.5	8.5	15.5	---	22.0	24.0	26.0	29.0	31.0	28.0
5	20.5	16.0	12.0	8.5	15.5	12.5	21.0	22.0	24.5	29.5	31.0	27.0
6	22.0	16.5	12.5	8.0	14.0	13.0	23.0	21.5	26.0	29.0	31.0	26.5
7	20.0	16.5	12.0	8.5	14.0	13.5	23.0	24.0	25.5	30.5	30.5	25.0
8	20.5	16.0	12.0	7.0	12.5	14.0	21.0	24.0	25.0	31.0	30.5	27.5
9	21.5	16.5	12.0	7.5	10.5	15.5	21.0	25.0	26.0	31.0	30.0	27.0
10	21.5	19.5	11.5	8.0	8.5	15.5	20.5	24.0	26.0	31.0	29.5	27.5
11	---	17.5	11.5	9.0	9.0	16.0	19.0	25.0	25.5	30.5	29.5	27.5
12	25.0	18.0	10.5	7.5	7.5	12.5	20.0	26.0	27.0	31.5	30.0	27.0
13	26.0	20.0	9.5	7.0	6.5	18.5	21.0	26.5	27.5	31.0	30.0	27.0
14	23.5	19.5	8.5	9.0	8.0	19.0	21.0	26.0	28.0	31.5	30.5	25.5
15	24.5	19.0	9.0	9.0	8.5	18.5	20.5	25.5	27.5	31.5	31.0	26.0
16	24.0	19.5	8.5	9.0	10.5	19.0	21.0	25.0	---	31.0	31.5	28.0
17	24.0	19.0	8.0	10.5	12.5	18.5	20.5	24.5	28.5	32.0	31.5	27.0
18	24.0	19.5	7.0	11.0	14.0	19.0	20.0	24.0	28.5	32.5	31.0	27.5
19	22.0	18.5	5.0	11.5	14.5	17.5	19.5	23.0	29.0	33.0	31.0	28.0
20	23.0	16.0	---	12.5	16.0	17.0	18.0	22.0	29.0	32.0	30.0	26.0
21	23.0	16.0	7.0	12.5	12.5	15.0	19.0	22.5	29.5	32.0	30.5	27.5
22	22.5	16.0	8.0	12.5	13.5	15.0	18.5	23.0	29.5	31.5	30.0	28.0
23	23.5	15.5	9.0	12.5	13.5	13.0	18.5	23.5	30.0	32.5	29.5	28.0
24	23.0	16.0	8.0	12.5	14.0	17.0	19.0	26.0	30.5	32.5	29.5	28.0
25	24.0	16.5	5.5	11.5	15.0	16.0	19.5	26.0	31.0	33.0	30.5	28.0
26	22.0	17.0	5.0	11.0	16.0	16.5	20.0	27.0	30.0	33.0	30.0	28.0
27	22.0	17.5	7.0	8.5	14.5	17.5	20.0	24.0	28.0	33.0	29.5	28.5
28	19.0	14.5	8.0	9.0	12.5	19.0	21.5	25.0	29.0	33.5	28.0	29.0
29	18.5	14.5	8.0	10.5	---	19.5	21.0	25.0	28.5	33.0	28.0	27.5
30	18.0	14.5	8.0	11.0	---	19.5	21.5	25.0	28.5	32.0	29.5	29.0
31	17.5	---	9.0	11.5	---	20.5	---	26.0	---	32.0	27.0	---
MAX	26.0	20.0	12.5	12.5	16.0	20.5	23.0	27.0	31.0	33.5	33.0	29.0
MIN	17.5	14.5	5.0	7.0	6.5	12.5	18.0	21.5	24.5	28.5	27.0	25.0

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140202, near right bank, 2.7 mi northeast of Shreveport Courthouse, 4.9 mi upstream from mouth of Cross Bayou, 5.4 mi upstream from gaging station at Illinois Central Railroad bridge at Shreveport (Station 07348500), and at mile 282.5.

DRAINAGE AREA.--57,100 mi², approximately, of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1974-84, October 1985 to September 1986.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1976 to September 1977.

WATER TEMPERATURES: October 1974 to September 1975, October 1976 to September 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,880 micromhos June 5, 6, 1977; minimum daily, 163 micromhos Mar. 17, 1977.

WATER TEMPERATURES: Maximum daily, 32.0°C July 25, 1977; minimum daily, 4.5°C Jan. 19, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.5°C was observed Jan. 15, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 09...	1530	913	8.20	23.0	20	15	—	23	—	K1900
NOV 19...	1035	756	7.60	20.5	50	100	8.6	24	1.8	4400
DEC 17...	0830	187	7.90	6.5	80	140	10.4	18	2.3	3500
JAN 09...	0900	443	7.90	5.5	60	50	11.5	41	2.2	7900
FEB 26...	1230	181	7.60	13.5	50	70	9.4	28	1.4	520
MAR 11...	1020	589	7.70	17.5	30	20	9.3	47	—	3400
APR 08...	1540	314	7.60	21.5	70	260	6.2	53	2.5	2400
MAY 22...	1100	266	7.90	24.5	70	130	6.8	34	0.9	600
JUN 04...	1145	529	7.50	25.5	40	95	7.5	19	1.6	450
JUL 08...	1830	677	7.70	29.0	30	45	—	22	—	K1700
AUG 19...	1230	1100	8.20	27.0	15	7.8	7.2	25	3.4	180
SEP 03...	1115	1090	8.50	27.0	20	7.5	7.6	<10	5.9	2000

K Results based on colony count outside the acceptable range (non-ideal colony count).

07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 09...	98	K12	280	76	21	82	4.0	253	71	110
NOV 19...	230	470	170	48	12	85	4.9	100	78	130
DEC 17...	—	840	52	16	3.0	13	2.6	42	14	20
JAN 09...	>5000	84	120	37	7.3	39	4.4	95	40	56
FEB 26...	K12	K55	57	18	2.9	12	2.3	46	15	16
MAR 11...	86	64	160	49	10	49	4.1	125	53	66
APR 08...	220	740	120	39	6.7	22	2.6	81	25	33
MAY 22...	K5	350	89	25	6.4	19	2.2	63	25	22
JUN 04...	160	930	120	34	8.3	54	2.9	69	54	77
JUL 08...	—	130	160	45	12	74	3.7	96	79	110
AUG 19...	—	K8	300	77	25	120	4.4	175	120	180
SEP 03...	K24	—	320	84	26	100	1.9	215	100	160

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	523	—	0.01	0.01	1.3	1.3	0.09	0.04	7.5
NOV 19...	444	143	0.02	0.18	0.75	0.93	0.20	0.10	11
DEC 17...	98	130	0.02	0.19	0.96	1.2	0.20	0.08	11
JAN 09...	253	88	0.02	0.22	1.0	1.2	0.16	0.10	12
FEB 26...	102	76	0.02	0.25	0.68	0.93	0.14	0.08	9.1
MAR 11...	327	36	0.01	0.01	0.96	0.97	0.13	0.04	12
APR 08...	176	824	0.06	0.32	1.6	1.9	0.58	0.14	24
MAY 22...	156	320	0.04	0.32	1.3	1.6	0.18	0.11	11
JUN 04...	287	197	0.02	0.21	0.82	1.0	0.20	0.08	8.8
JUL 08...	390	150	0.01	0.01	1.1	1.1	0.18	0.05	10
AUG 19...	637	70	0.01	0.01	1.0	1.0	0.12	0.05	8.7
SEP 03...	700	14	<0.01	0.02	<0.20	—	0.14	0.03	8.7

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 09...	1	<10	1	<10	6	1300	6	220	<0.1	4	<1
JAN 09...	1	<10	<1	<10	7	3000	<5	80	0.1	3	<1
APR 08...	5	<10	<1	30	26	22000	17	880	<0.1	17	<1
JUL 08...	2	<10	1	<10	11	3000	7	170	<0.1	8	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR- TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 09...	30	<0.01	5	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
JAN 09...	30	<0.01	4	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
APR 08...	80	<0.01	<1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.008	<0.001
JUL 08...	20	<0.01	2	2	<0.1	<0.1	0.002	<0.1	<0.001	0.002	<0.001

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 09...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.002	<0.01	<0.01	<0.01
JAN 09...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 08...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JUL 08...	0.02	0.002	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	0.01
JAN 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
APR 08...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.05	<0.01	<0.01	<0.01
JUL 08...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.09	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

LOCATION.--Lat 32°31'00", long 93°58'20", in SE 1/4 sec.26, T.18 N., R.16 W., Caddo Parish, Hydrologic Unit 11140304, near center of span on downstream side of bridge on State Highway 169, 1.0 mi upstream from Cross Lake, 5.1 mi north of Greenwood, and 11 mi west of Shreveport.

DRAINAGE AREA.--80.5 mi².

PERIOD OF RECORD.--October 1955 to September 1986 (discontinued).

REVISED RECORDS.--WDR LA-78-1: Drainage area. WDR LA-79-1: 1957(P), 1958, 1958-62(P), 1964(P), 1966(P), 1969(P), 1973-75(P).

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--31 years, 65.5 ft³/s, 11.05 in/yr, 47,450 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,100 ft³/s June 27, 1986, gage height, 15.97 ft from rating curve extended above 17,400 ft³/s; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 12	2015	1430	9.52	June 10	1115	1470	9.56
Apr. 21	1300	1270	9.32	June 27	1700	*19100	*15.97

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	124	31	9.1	3.3	7.9	1.2	12	2.8	69	.27	.00
2	.00	26	108	8.5	3.6	5.8	1.0	28	2.5	29	.21	.00
3	.00	8.5	67	8.1	6.9	4.4	1.3	56	5.8	19	.17	.00
4	.00	4.4	30	7.8	97	4.4	1.2	34	99	14	.10	.00
5	.00	2.4	21	6.9	190	4.2	1.9	16	232	10	.03	.00
6	.00	1.4	16	6.6	128	4.4	51	9.4	234	8.1	.00	17
7	.00	.76	13	6.0	146	4.4	35	6.7	133	6.2	.00	25
8	.00	.59	11	5.8	70	6.0	14	4.5	47	4.7	.00	5.2
9	.00	.46	8.9	5.8	47	4.4	8.5	9.1	362	3.7	.00	.99
10	.00	.35	8.1	5.2	62	3.1	5.3	24	1240	2.9	.00	.55
11	.00	.43	242	5.1	68	3.5	3.1	13	1080	2.2	.00	.46
12	.00	.41	1040	5.2	55	4.1	5.6	8.2	588	1.7	.00	.50
13	.00	.70	1100	5.1	38	3.3	26	5.0	152	1.7	.00	.50
14	.00	1.9	648	4.3	29	4.1	23	3.2	37	1.5	.00	.43
15	.00	1.5	188	3.8	24	4.0	11	2.2	19	.86	.00	.35
16	.00	.76	59	3.4	22	3.3	6.6	1.8	14	.77	.00	.23
17	.00	85	40	3.3	20	2.4	3.7	23	166	.69	.00	.08
18	.00	260	31	3.1	18	2.9	2.2	375	334	.67	.00	.00
19	.00	235	24	3.1	17	8.7	7.6	540	129	.62	.00	.00
20	24	42	20	3.0	15	7.6	514	270	24	.59	.00	.00
21	20	14	18	3.1	13	5.0	1180	33	14	.60	.00	.00
22	4.0	7.6	15	3.3	11	3.8	761	15	9.4	16	.00	.00
23	3.2	5.1	14	3.3	9.7	2.9	135	9.5	7.7	15	.00	.00
24	5.1	45	13	3.0	8.7	2.1	28	7.2	6.1	5.2	.00	.00
25	2.2	437	13	2.8	8.2	1.8	17	5.2	4.5	2.1	.00	.00
26	.80	861	11	3.3	7.8	1.9	12	4.7	3.7	1.1	.00	.00
27	.51	506	11	4.0	7.8	2.1	9.5	3.9	9090	.76	.00	.00
28	.62	97	10	3.8	7.4	2.0	22	3.3	3350	.66	.00	.00
29	6.3	61	9.7	4.0	---	1.9	23	2.6	1020	.57	.00	.00
30	39	34	9.6	4.2	---	1.9	14	1.7	376	.52	.00	.00
31	136	---	9.5	4.2	---	1.5	---	2.3	---	.40	.00	---
TOTAL	241.73	2864.26	3839.8	148.2	1133.4	119.8	2924.7	1529.5	18782.5	220.81	.78	51.29
MEAN	7.80	95.5	124	4.78	40.5	3.86	97.5	49.3	626	7.12	.02	1.71
MAX	136	861	1100	9.1	190	8.7	1180	540	9090	69	.27	.25
MIN	.00	.35	8.1	2.8	3.3	1.5	1.0	1.7	2.5	.40	.00	.00
CFSM	.10	1.19	1.54	.06	.50	.05	1.21	.61	7.78	.09	.00	.02
IN.	.11	1.32	1.77	.07	.52	.06	1.35	.71	8.68	.10	.00	.02
AC-FT	479	5680	7620	294	2250	238	5800	3030	37260	438	1.5	102
CAL YR 1985	TOTAL	18300.10	MEAN	50.1	MAX	1150	MIN	.00	CFSM	.62	IN.	8.46
WTR YR 1986	TOTAL	31856.77	MEAN	87.3	MAX	9090	MIN	.00	CFSM	1.08	IN.	14.72
											AC-FT	36300
											AC-FT	63190

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.18	5.58	3.47	2.72	2.64	2.55	2.07	2.75	2.26	4.52	1.55	.69
2	1.18	3.28	5.34	2.70	2.60	2.45	2.04	3.32	2.24	3.40	1.50	.68
3	1.17	2.58	4.46	2.69	2.66	2.37	2.10	4.24	2.43	3.03	1.46	.68
4	1.16	2.37	3.43	2.67	5.02	2.37	2.08	3.55	4.93	2.81	1.40	.68
5	1.09	2.22	3.09	2.63	6.50	2.36	2.15	2.89	6.88	2.66	1.34	.87
6	1.01	2.10	2.91	2.63	5.72	2.37	4.07	2.62	6.91	2.56	1.26	2.41
7	.94	1.95	2.78	2.61	5.98	2.37	3.57	2.49	5.69	2.47	1.20	3.23
8	.83	1.82	2.69	2.61	4.57	2.46	2.83	2.38	3.96	2.39	1.14	2.40
9	.74	1.71	2.60	2.61	3.98	2.37	2.58	2.59	7.16	2.32	1.08	2.01
10	.69	1.62	2.56	2.59	4.37	2.29	2.42	3.21	9.25	2.27	1.09	1.79
11	.62	1.68	5.73	2.59	4.54	2.32	2.29	2.80	9.05	2.20	1.11	1.71
12	.54	1.67	8.96	2.60	4.19	2.35	2.43	2.56	8.13	2.15	1.07	1.74
13	.51	1.82	9.08	2.60	3.70	2.30	3.30	2.41	5.77	2.15	1.04	1.75
14	.61	2.18	8.28	2.56	3.40	2.35	3.17	2.29	3.63	2.12	1.03	1.69
15	.84	2.11	6.16	2.56	3.24	2.35	2.71	2.20	3.00	2.01	1.07	1.62
16	.68	1.96	4.31	2.57	3.13	2.30	2.49	2.16	2.80	1.97	1.19	1.51
17	.62	4.40	3.76	2.61	3.04	2.23	2.32	2.88	5.79	1.90	1.20	1.39
18	.64	7.07	3.47	2.64	2.97	2.27	2.20	7.47	7.39	1.89	1.18	1.28
19	1.04	6.75	3.26	2.68	2.95	2.59	2.42	8.04	5.35	1.85	1.12	1.19
20	2.76	3.77	3.12	2.71	2.86	2.53	7.71	6.61	3.18	1.82	1.05	1.17
21	3.02	2.84	3.03	2.74	2.79	2.40	9.21	3.52	2.76	1.82	1.04	1.21
22	2.34	2.53	2.94	2.75	2.71	2.34	8.50	2.86	2.58	2.81	1.03	1.22
23	2.29	2.41	2.90	2.73	2.64	2.27	5.41	2.63	2.49	2.88	1.03	1.21
24	2.41	3.50	2.87	2.70	2.59	2.19	3.37	2.51	2.41	2.41	1.07	1.17
25	2.20	7.72	2.83	2.67	2.56	2.16	2.94	2.41	2.33	2.19	1.06	1.08
26	1.96	8.70	2.79	2.70	2.54	2.18	2.73	2.39	2.27	2.05	1.03	1.05
27	1.75	7.81	2.76	2.74	2.54	2.20	2.63	2.34	11.59	1.97	1.02	1.04
28	1.85	5.15	2.75	2.72	2.52	2.18	3.14	2.30	10.59	1.88	.97	1.04
29	2.35	4.35	2.73	2.72	---	2.17	3.18	2.24	8.96	1.81	.89	1.03
30	3.69	3.57	2.73	2.72	---	2.17	2.84	2.14	7.26	1.76	.77	.97
31	5.82	---	2.74	2.70	---	2.12	---	2.20	---	1.66	.71	---
MAX	5.82	8.70	9.08	2.75	6.50	2.59	9.21	8.04	11.59	4.52	1.55	3.23
MIN	.51	1.62	2.56	2.56	2.52	2.12	2.04	2.14	2.24	1.66	.71	.68

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°38'45", long 93°52'40", in NW 1/4 NW 1/4 sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi downstream from Cottonwood Bayou, 4.2 mi southwest of Dixie, 5.5 mi downstream from Caddo Lake, and 17.3 mi upstream from mouth.

DRAINAGE AREA.--3,137 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 136.12 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1947, to June 26, 1978, water-stage recorder at present site. Oct. 1, 1950, to June 26, 1978, at datum 3.88 ft higher and prior to Oct. 1, 1950, at datum 5.88 ft higher.

Nonrecording gage for Twelvemile Bayou near Mooringsport (station 07347950) used as supplementary gage June 27, 1978, to May 7, 1981. Datum of supplementary gage, 140.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

Water-stage recorder for Twelvemile Bayou below Dixie (station 07348010) used as auxiliary gage for this station. Prior to May 7, 1981, nonrecording gage for Red River at Shreveport (station 07348500) used as auxiliary gage.

REMARKS.--Estimated daily discharges: Feb. 1-13, Mar. 22-26, July 15 to Aug. 3, Sept. 14-30 (no gage height record); Apr. 7-8 (indefinite stage-discharge relationship). Records good, except those for estimated daily discharges, which are fair. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft is available for storage) since August 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--44 years, 2,503 ft³/s, 1,810,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,400 ft³/s May 5, 1958; maximum daily reverse flow, 50 ft³/s Aug. 5, 1975 (backwater from Red River); maximum gage height, 41.53 ft Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge (unaffected by backwater), 0.08 ft³/s Aug. 24, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,300 ft³/s June 30, gage height, 30.56 ft; minimum daily, 12 ft³/s Oct. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	433	2510	4250	2000	3130	624	2380	1840	14700	33	344
2	18	372	2350	4070	3000	2970	561	2580	1700	13600	30	346
3	19	407	2200	3900	3500	2780	476	2610	2070	11500	27	370
4	15	492	2310	3830	4500	2780	406	2540	3220	9390	25	396
5	12	498	2490	3740	5000	2690	505	2480	3510	7800	30	404
6	14	507	2360	3600	5500	2540	992	2510	4030	6200	28	414
7	17	495	2300	3500	5200	2420	1200	2450	3540	4950	30	397
8	20	392	2360	3580	5000	2150	1400	2310	3710	4010	30	384
9	18	350	2280	3740	4700	2040	1470	2310	5370	3230	28	368
10	15	329	2220	3700	4500	1970	1420	2180	7100	2580	25	353
11	14	437	4530	3430	4700	1510	1330	1980	6890	2090	28	342
12	13	579	7110	3080	5000	1570	1380	1760	6210	1680	23	331
13	13	670	8270	2700	5400	1410	1460	1540	5410	1340	25	316
14	17	704	8260	2380	6180	1270	1580	1290	4790	1100	25	300
15	18	827	8650	2070	5690	1130	1700	1100	4310	900	25	250
16	13	819	9240	1850	5790	1130	1460	991	4010	700	30	200
17	13	1030	9490	1780	5710	1100	1260	1180	4450	600	25	150
18	15	1320	9330	1750	5460	1220	1340	2020	4300	400	23	100
19	30	1390	9050	1670	5230	1320	1230	2100	3900	250	23	80
20	266	1150	8680	1480	5070	1120	4020	2000	3570	200	20	60
21	400	986	8040	1440	4860	1040	4560	1700	3220	150	18	50
22	350	975	7580	1280	4530	960	3860	1670	2850	130	20	45
23	267	1030	7070	1140	4420	900	3160	1810	2600	100	20	48
24	214	1360	6750	1110	4200	850	3200	1910	2410	90	23	45
25	178	1840	6380	1310	3960	820	3270	2110	2120	75	23	44
26	152	1850	5880	1540	3880	815	3180	2230	1720	65	25	43
27	133	1940	5460	1300	3760	806	3040	2240	7590	56	125	42
28	118	1920	5170	1180	3570	755	3090	2170	14000	50	261	43
29	118	1740	4970	1080	---	736	2780	1970	15000	45	306	42
30	222	1590	4670	986	---	720	2600	1890	15200	40	329	41
31	352	---	4520	993	---	661	---	1830	---	35	338	---
TOTAL	3082	28432	172480	73459	130310	47313	58554	61841	150640	88056	2021	6348
MEAN	99.4	948	5564	2370	4654	1526	1952	1995	5021	2841	65.2	212
MAX	400	1940	9490	4250	6180	3130	4560	2610	15200	14700	338	414
MIN	12	329	2200	986	2000	661	406	991	1700	35	18	41
AC-FT	6110	56390	342100	145700	258500	93850	116100	122700	298800	174700	4010	12590
CAL YR 1985	TOTAL	877563	MEAN	2404	MAX	9820	MIN	12	AC-FT	1741000		
WTR YR 1986	TOTAL	822536	MEAN	2254	MAX	15200	MIN	12	AC-FT	1632000		

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.61	6.12	14.33	13.89	---	12.37	6.70	14.42	11.79	29.79	---	6.05
2	4.62	5.92	14.44	13.64	---	12.05	6.51	14.70	11.54	28.30	---	6.04
3	4.63	6.10	14.22	13.41	---	11.73	6.26	14.58	12.03	25.18	---	6.09
4	4.60	6.59	14.40	13.29	---	11.72	6.04	14.25	13.97	21.88	4.88	6.15
5	4.58	6.57	14.41	13.16	---	11.58	6.38	13.57	14.94	19.42	5.10	6.16
6	4.59	6.49	14.06	12.94	---	11.34	7.87	12.68	16.30	17.25	4.89	6.18
7	4.61	6.38	13.99	12.79	---	11.13	9.43	11.96	15.87	15.40	5.02	6.11
8	4.63	5.99	13.91	12.90	---	10.63	13.20	11.62	16.87	13.90	5.08	6.05
9	4.62	5.85	13.55	13.15	---	10.41	13.19	11.52	20.02	12.62	4.84	5.99
10	4.60	5.78	13.23	13.10	---	10.24	12.33	11.05	21.26	11.48	4.73	5.93
11	4.59	6.13	15.85	12.70	---	9.21	11.96	10.43	20.35	10.58	4.78	5.90
12	4.59	6.56	19.68	12.15	---	9.33	11.75	9.83	19.23	9.71	4.72	5.86
13	4.59	6.84	21.41	11.57	---	8.94	11.66	9.24	18.60	8.85	4.74	5.81
14	4.61	6.96	21.55	11.03	18.12	8.60	11.58	8.64	17.89	8.23	4.74	---
15	4.61	7.36	21.74	10.44	17.48	8.22	11.47	8.15	16.98	---	4.74	---
16	4.58	7.33	21.98	9.98	17.55	8.21	11.11	7.84	16.27	---	4.76	---
17	4.59	8.14	22.00	9.79	17.42	8.13	10.90	8.30	16.34	---	4.73	---
18	4.60	8.75	21.56	9.73	17.01	8.40	10.68	10.36	15.45	---	4.72	---
19	4.67	8.99	21.12	9.54	16.61	8.72	10.43	10.63	14.56	---	4.72	---
20	5.56	10.00	20.59	9.08	16.33	8.18	14.96	11.06	13.92	---	4.71	---
21	6.02	10.52	19.68	8.99	15.99	7.94	15.27	12.52	13.70	---	4.68	---
22	5.85	11.43	18.97	8.61	15.41	---	14.39	13.67	13.48	---	4.70	---
23	5.57	11.81	18.22	8.22	15.04	---	14.91	13.89	12.93	---	4.70	---
24	5.38	12.14	17.70	8.15	14.48	---	15.63	13.51	12.20	---	4.72	---
25	5.25	12.51	17.11	8.64	13.99	---	15.77	12.99	11.60	---	4.72	---
26	5.15	12.16	16.31	9.21	13.76	---	15.69	12.51	11.09	---	4.73	---
27	5.08	11.94	15.65	8.65	13.46	7.25	15.49	12.24	20.87	---	5.15	---
28	5.02	11.72	15.23	8.33	13.14	7.09	15.47	12.39	29.51	---	5.80	---
29	5.02	11.62	14.91	8.07	---	7.03	14.99	12.50	30.31	---	5.98	---
30	5.41	12.49	14.49	7.80	---	6.99	14.61	12.07	30.49	---	6.03	---
31	5.94	---	14.27	7.82	---	6.81	---	11.81	---	---	6.04	---
MAX	6.02	12.51	22.00	13.89	---	12.37	15.77	14.70	30.49	29.79	6.04	6.18
MIN	4.58	5.78	13.23	7.80	13.14	6.81	6.04	7.84	11.09	---	4.68	---

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-60, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1981.

WATER TEMPERATURES: April 1978 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,970 micromhos Oct. 20, 1980; minimum daily, 76 micromhos Feb. 12, 1980.

WATER TEMPERATURES: Maximum daily, 36.0°C June 27, 1978; minimum daily, 4.0°C Jan. 14, Feb. 7, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 1.5°C was observed Jan. 19, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 10...	0900	15	1360	7.50	23.0	0	6.5	9.2	1.1	K6
JAN 08...	1600	3580	108	7.10	5.5	50	10	12.8	3.1	K3
APR 08...	1115	847	215	7.10	24.0	20	8.0	7.4	2.0	K10
JUL 08...	1415	4010	102	7.20	31.5	50	22	6.8	0.9	—

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 10...	280	290	58	35	150	3.0	159	98	270	0.2
JAN 08...	K12	21	4.8	2.1	10	2.8	9	12	17	<0.1
APR 08...	160	40	9.0	4.1	21	2.8	20	15	41	0.1
JUL 08...	140	23	5.6	2.3	9.7	2.2	15	9.9	15	0.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 10...	6.2	753	720	<0.10	<0.01	<0.01	0.7	0.04	0.01	<0.01
JAN 08...	9.8	79	64	<0.10	0.03	—	0.7	0.05	0.02	0.01
APR 08...	3.4	124	110	<0.10	0.02	0.03	0.7	0.04	0.01	<0.01
JUL 08...	6.2	76	60	<0.10	0.07	0.09	1.1	0.13	0.05	0.01

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 10...	20	<1	360	3	<1	<1	<3	4	4	<5
JAN 08...	80	<1	47	<0.5	<1	<1	<3	2	390	<5
APR 08...	30	<1	63	<0.5	<1	<1	<3	4	150	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 10...	21	440	0.4	<10	1	<1	<1	1100	<6	10
JAN 08...	4	30	0.1	<10	<1	<1	<1	90	<6	9
APR 08...	5	10	<0.1	<10	<1	<1	<1	170	<6	5

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JAN 08...	12	116	42
APR 08...	26	59	77
JUL 08...	40	433	88

< Actual value is known to be less than the value shown.

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE 1/4 NE 1/4 sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State highway 157, 0.4 mi downstream from Crooked Creek, 1.7 mi downstream from Arkansas-Louisiana State line, and 4.2 mi southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good above 200 ft³/s and fair below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--29 years, 546 ft³/s, 12.26 in/yr, 395,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,400 ft³/s Apr. 28, 1958, gage height, 22.79 ft; no flow Oct. 10-14, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 15	0400	*7550	*15.20	July 2	0030	4480	14.32

Minimum daily discharge, 1.2 ft³/s Oct. 10.

REVISION.--The peak discharge and annual maximum (*) reported for water year 1985 have been revised as shown in the following table. They supersede figures published in WRD LA 85-1.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 25	1130	*9140	*15.63	Apr. 26	1730	3490	13.88
Mar. 25	0900	5100	14.50				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	2.7	310	990	207	81	133	84	303	112	3430	44	38		
2	2.1	389	897	198	79	128	70	381	83	4110	42	38		
3	2.0	430	797	193	79	121	62	427	185	3070	41	29		
4	1.9	465	791	187	347	112	61	439	555	2280	41	31		
5	1.7	475	867	178	527	102	62	390	750	1850	43	134		
6	1.6	403	954	169	721	94	57	323	837	1500	46	282		
7	1.5	239	964	167	952	88	64	299	763	1180	42	113		
8	1.4	131	836	165	1220	87	108	260	1150	863	34	80		
9	1.3	81	596	159	1700	84	180	201	2050	581	29	65		
10	1.2	52	380	157	2140	72	255	154	2590	410	27	48		
11	1.4	38	510	155	2060	64	282	125	2340	265	38	32		
12	1.5	29	942	152	1750	74	443	102	2470	180	46	22		
13	1.7	21	1600	148	1410	138	313	82	2410	143	39	16		
14	2.4	19	4990	142	1110	216	431	70	2000	122	33	11		
15	4.0	19	7170	137	819	296	706	63	1620	108	28	8.9		
16	4.3	19	5490	131	592	370	963	54	1300	94	26	8.0		
17	4.2	63	3680	129	478	394	1060	71	1050	82	56	7.2		
18	5.6	109	2690	131	405	423	1090	102	752	76	38	6.2		
19	36	158	2070	136	355	471	1070	70	478	70	28	5.9		
20	143	220	1680	144	324	495	1250	103	369	65	24	5.8		
21	225	273	1350	158	296	506	998	176	372	65	29	5.7		
22	306	323	1070	159	270	481	830	196	309	251	22	5.5		
23	408	334	775	149	239	407	852	177	187	159	17	5.9		
24	497	346	529	140	207	309	868	137	120	88	20	5.6		
25	498	376	395	137	182	221	818	106	87	81	11	5.3		
26	336	439	329	124	165	173	790	74	68	82	7.0	5.5		
27	149	534	298	111	154	146	737	75	214	73	6.3	5.5		
28	68	637	275	103	141	130	597	158	1090	65	24	5.2		
29	48	774	249	100	---	113	385	168	1800	58	7.4	5.1		
30	79	881	228	97	---	103	264	142	2040	52	13	5.0		
31	202	---	215	91	---	96	---	126	---	47	36	---		
TOTAL	3037.5	8587	44607	4554	18803	6647	15750	5554	30151	21500	937.7	1035.3		
MEAN	98.0	286	1439	147	672	214	525	179	1005	694	30.2	34.5		
MAX	498	881	7170	207	2140	506	1250	439	2590	4110	56	282		
MIN	1.2	19	215	91	79	64	57	54	68	47	6.3	5.0		
CF SM	.16	.47	2.38	.24	1.11	.35	.87	.30	1.66	1.15	.05	.06		
IN.	.19	.53	2.74	.28	1.16	.41	.97	.34	1.85	1.32	.06	.06		
AC-FT	6020	17030	88480	9030	37300	13180	31240	11020	59800	42650	1860	2050		
CAL YR 1985	TOTAL	210613.4	MEAN	577	MAX	7170	MIN	1.1	CF SM	.95	IN.	12.95	AC-FT	417800
WTR YR 1986	TOTAL	161163.5	MEAN	442	MAX	7170	MIN	1.2	CF SM	.73	IN.	9.91	AC-FT	319700

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.07	8.44	11.28	7.58	6.00	6.71	6.01	8.10	6.18	13.79	5.19	5.08
2	4.01	8.98	11.03	7.49	5.96	6.64	5.81	8.75	5.76	14.18	5.16	5.07
3	4.01	9.22	10.75	7.44	5.95	6.55	5.67	9.08	6.85	13.62	5.14	4.87
4	4.01	9.42	10.73	7.37	8.53	6.42	5.67	9.17	9.86	13.06	5.13	4.88
5	3.99	9.47	10.95	7.28	9.75	6.27	5.68	8.81	10.60	12.65	5.17	6.38
6	3.98	9.05	11.19	7.18	10.50	6.15	5.60	8.27	10.86	12.26	5.23	7.99
7	3.97	7.85	11.21	7.16	11.18	6.06	5.70	8.07	10.64	11.72	5.16	6.26
8	3.98	6.69	10.86	7.13	11.81	6.05	6.35	7.73	11.64	10.93	4.98	5.78
9	3.97	5.98	10.04	7.06	12.49	6.01	7.25	7.18	12.82	9.98	4.86	5.56
10	3.97	5.53	8.91	7.04	12.95	5.84	7.99	6.67	13.31	9.02	4.81	5.28
11	3.98	5.25	9.48	7.01	12.87	5.73	8.21	6.29	13.12	7.91	5.08	4.92
12	3.98	5.04	11.15	6.98	12.55	5.87	9.26	5.96	13.22	7.11	5.23	4.68
13	3.99	4.85	12.34	6.93	12.13	6.76	8.44	5.69	13.17	6.68	5.10	4.52
14	4.07	4.81	14.36	6.85	11.57	7.64	9.20	5.52	12.81	6.39	4.96	4.37
15	4.21	4.80	15.10	6.79	10.80	8.32	10.44	5.41	12.41	6.19	4.83	4.28
16	4.21	4.81	14.62	6.71	10.04	8.84	11.21	5.26	11.97	5.98	4.78	4.24
17	4.18	5.64	13.97	6.67	9.48	8.99	11.47	5.52	11.43	5.82	5.41	4.20
18	4.25	6.39	13.37	6.71	9.07	9.17	11.53	5.97	10.60	5.73	5.06	4.14
19	5.08	7.04	12.87	6.77	8.75	9.45	11.49	5.52	9.44	5.65	4.84	4.14
20	6.77	7.71	12.47	6.88	8.54	9.58	11.88	6.00	8.74	5.57	4.74	4.18
21	7.63	8.17	12.05	7.04	8.34	9.63	11.30	6.95	8.77	5.57	4.87	4.19
22	8.32	8.54	11.48	7.07	8.13	9.50	10.84	7.18	8.29	7.76	4.68	4.20
23	9.04	8.61	10.67	6.94	7.87	9.07	10.91	6.98	7.17	6.84	4.57	4.23
24	9.57	8.69	9.75	6.82	7.56	8.41	10.95	6.49	6.37	5.89	4.63	4.21
25	9.59	8.89	9.01	6.78	7.30	7.68	10.81	6.06	5.88	5.80	4.37	4.21
26	8.60	9.27	8.58	6.61	7.11	7.19	10.73	5.60	5.62	5.82	4.19	4.24
27	6.91	9.78	8.35	6.42	6.98	6.87	10.56	5.61	7.06	5.69	4.13	4.24
28	5.80	10.22	8.18	6.30	6.81	6.66	10.05	6.76	11.48	5.56	4.73	4.23
29	5.46	10.68	7.97	6.25	---	6.43	8.75	6.89	12.60	5.44	4.20	4.22
30	5.94	10.99	7.78	6.21	---	6.27	7.77	6.58	12.85	5.34	4.38	4.22
31	7.51	---	7.66	6.12	---	6.16	---	6.37	---	5.25	5.02	---
MAX	9.59	10.99	15.10	7.58	12.95	9.63	11.88	9.17	13.31	14.18	5.41	7.99
MIN	3.97	4.80	7.66	6.12	5.95	5.73	5.60	5.26	5.62	5.25	4.13	4.14

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 1958, 1962, 1968-72, 1985 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1984 to current year.

SPECIFIC CONDUCTANCE: October 1984 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.0°C July 12, 1985; minimum, 3.5°C Dec. 25, 1985.

SPECIFIC CONDUCTANCE: Maximum, 833 microsiemens Sept. 3, 1985; minimum, 74 microsiemens July 3, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 10...	1100	569	7.40	19.5	5	45	7.4	4.6	K24
JAN 08...	1320	249	7.67	5.5	5	6.0	11.0	2.1	K22
APR 08...	1345	277	6.40	22.0	50	4.0	5.0	4.7	52
JUL 08...	1615	101	6.30	27.0	140	3.0	4.4	4.2	—

		STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 10...		390	65	16	6.2	85	4.9	84	17
JAN 08...		54	39	11	2.7	28	2.6	6	10
APR 08...		500	40	11	3.0	31	2.8	16	10
JUL 08...		410	21	6.1	1.5	10	2.3	12	12

		CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 10...		110	0.3	13	307	300	0.65	2.3	1.0
JAN 08...		63	<0.1	15	144	140	0.08	0.43	0.08
APR 08...		60	0.1	9.5	159	140	0.10	1.2	0.12
JUL 08...		18	<0.1	10	89	67	0.12	1.4	0.15

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 10...	2	—	<1	—	—	<1	4	—	140	—	<5
JAN 08...	—	6	—	2	60	—	—	8	—	8700	—

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 10...	—	960	—	<0.1	—	10	—	3.8	<0.01	6	<0.1
JAN 08...	80	—	500	—	0.13	—	70	—	—	—	—

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 10...	—	<0.1	—	<0.001	—	<0.1	—	<0.001	—	<0.001	—
JAN 08...	<1	—	<1	—	<0.1	—	<1	—	<0.1	—	0.3

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 10...	<0.001	—	0.24	—	<0.001	—	<0.001	—	<0.001	—
JAN 08...	—	<0.1	—	<0.2	—	0.1	—	<0.1	—	<0.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 10...	<0.01	—	<0.001	—	<0.001	—	<0.001	—	<0.01	—
JAN 08...	—	<0.2	—	<0.1	—	<0.1	—	<0.1	—	<0.5

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 10...	<0.01	—	<0.01	—	<0.01	—	<0.01	—	<0.01	—
JAN 08...	—	<0.1	—	<0.2	—	<1	—	<0.1	—	<0.2

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 10...	<0.1	—	<1	—	<0.01	—	0.13	<0.01	<0.01	<0.01
JAN 08...	—	<1	—	<10	—	<0.2	—	—	—	—

< Actual value is known to be less than the value shown.

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	670	417	228	242	347	231	258	171	213	118	175	155
2	629	303	213	251	346	233	268	174	227	79	167	155
3	631	338	220	250	339	233	268	163	225	74	168	174
4	622	352	256	250	330	244	271	164	157	78	167	186
5	669	282	219	246	249	245	277	157	128	81	161	220
6	600	279	184	247	264	247	276	156	158	84	154	134
7	551	267	173	248	287	248	277	150	163	90	153	158
8	544	284	169	249	240	250	276	151	157	98	153	154
9	728	303	177	247	194	250	278	144	118	106	151	151
10	330	302	188	249	163	265	283	155	105	106	152	155
11	311	308	200	278	140	255	250	161	124	113	241	167
12	310	324	159	280	134	244	283	170	142	119	167	193
13	589	324	149	281	137	260	241	176	---	125	164	192
14	671	344	137	279	145	300	269	176	---	136	162	204
15	700	346	92	291	156	300	251	176	126	134	163	221
16	608	353	88	301	172	331	173	180	127	132	160	237
17	274	475	88	298	188	273	173	182	127	137	252	254
18	577	347	88	296	198	247	150	277	131	138	170	---
19	524	322	90	300	202	269	136	205	138	137	155	295
20	326	362	99	303	204	240	138	190	147	137	153	314
21	298	389	113	322	216	235	134	184	---	137	154	318
22	402	391	130	344	210	243	162	226	---	242	143	320
23	512	278	147	355	208	228	182	185	169	136	147	326
24	216	271	167	329	207	217	156	199	170	137	266	328
25	190	275	196	325	222	216	158	202	174	129	220	204
26	198	256	---	322	217	230	138	199	173	133	---	343
27	402	287	205	327	221	240	131	206	217	141	242	352
28	218	320	210	327	225	250	128	206	114	144	362	359
29	254	259	215	325	---	255	146	213	89	156	300	368
30	254	250	221	328	---	258	172	194	126	176	244	374
31	273	---	233	342	---	256	---	213	---	179	157	---
MAX	728	475	256	355	347	331	283	277	227	242	362	374
MIN	190	250	88	242	134	216	128	144	89	74	143	134

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.0	13.5	5.5	7.0	6.5	18.0	19.5	22.5	25.0	28.0	21.0
2	25.0	15.0	10.5	6.0	9.5	8.5	19.5	19.5	22.5	26.0	27.0	22.0
3	25.0	15.0	7.5	6.0	14.5	10.5	19.5	19.0	23.0	25.0	27.5	23.0
4	26.0	---	7.5	6.5	14.5	11.0	20.5	18.0	23.0	25.0	26.5	23.5
5	25.0	14.0	7.5	6.0	15.0	10.0	21.5	18.5	23.0	25.0	25.0	25.0
6	18.0	13.0	6.5	4.5	14.5	11.5	20.5	19.5	23.0	26.0	26.5	23.5
7	18.0	13.0	7.0	4.5	12.5	12.0	21.0	21.0	24.0	25.5	26.0	23.0
8	18.0	12.0	9.0	4.5	10.5	10.5	22.0	21.0	23.0	26.0	25.5	22.0
9	21.0	14.0	9.5	4.5	9.5	14.5	19.5	22.0	24.0	26.0	26.0	22.5
10	20.0	17.0	12.0	5.0	6.0	16.5	18.0	23.0	25.5	26.5	25.5	23.5
11	19.0	18.0	14.0	5.0	5.0	16.0	18.0	22.0	24.5	26.0	25.5	24.5
12	19.0	18.0	11.5	7.5	6.0	17.0	16.5	21.5	25.0	26.5	25.0	21.5
13	---	18.0	8.5	4.5	4.5	15.0	17.5	22.0	---	27.5	24.0	21.0
14	21.0	18.0	5.5	5.0	6.5	16.5	20.0	22.5	---	26.5	24.5	22.0
15	22.0	19.0	7.0	5.0	5.5	16.5	17.0	23.0	25.0	27.0	25.0	22.5
16	21.0	17.0	6.0	6.0	9.5	16.0	16.5	22.0	25.0	26.5	26.0	23.0
17	21.0	20.0	5.0	9.0	---	15.5	16.5	---	24.0	26.0	26.0	23.5
18	20.0	18.0	5.0	9.5	16.5	15.5	15.5	21.0	24.5	26.5	25.0	---
19	22.0	20.0	4.5	8.0	15.5	15.5	17.0	19.5	24.5	27.0	25.5	25.0
20	22.0	16.0	4.5	7.5	15.0	14.5	16.5	19.5	26.5	27.5	25.5	24.5
21	22.0	14.0	5.5	10.0	14.5	12.5	15.5	19.0	---	27.0	25.0	25.0
22	23.0	14.0	6.5	10.5	15.0	10.5	15.5	19.0	---	25.5	25.5	24.5
23	21.0	13.5	5.5	7.5	13.5	11.5	15.5	20.0	25.5	25.5	25.0	24.0
24	22.0	17.5	7.0	7.5	10.0	12.5	16.5	21.5	25.5	26.5	25.0	25.0
25	22.0	16.0	3.5	7.0	13.5	12.5	17.0	21.5	26.0	27.0	25.0	25.5
26	21.0	17.5	---	7.0	14.0	17.5	18.0	22.0	27.0	27.0	---	24.5
27	20.0	19.0	4.5	5.0	14.0	15.0	19.5	21.5	25.0	28.0	26.0	25.0
28	19.0	15.0	4.0	4.5	12.0	15.5	18.0	21.5	25.0	28.0	25.0	25.0
29	16.0	14.0	5.0	6.5	---	15.5	19.0	22.0	25.0	28.5	23.5	25.5
30	15.0	14.0	5.0	6.5	---	18.5	18.5	22.0	25.0	28.0	21.0	25.5
31	14.0	---	6.0	6.5	---	17.5	---	22.0	---	28.0	21.0	---
MAX	26.0	20.0	14.0	10.5	16.5	18.5	22.0	23.0	27.0	28.5	28.0	25.5
MIN	14.0	12.0	3.5	4.5	4.5	6.5	15.5	18.0	22.5	25.0	21.0	21.0

07349000 BAYOU DORCHEAT NEAR MINDEN, LA.

LOCATION.--Lat 32°35'55", long 93°19'59", in NE 1/4 NW 1/4 sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11140203, on left bank 500 ft upstream from bridge on U.S. Highway 80, 0.7 mi upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi west of Minden, and 28 mi upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi².

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to September 1979. October 1979 to current year (annual maximum and gage heights only). Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1941.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. July 29, 1953, to Sept. 30, 1979, supplementary water-stage recorder 4.6 mi upstream from base gage at different datum.

REMARKS.--Gage heights affected by Lake Bistineau.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1937-79), 1,111 ft³/s, 13.75 in/yr, 804,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft³/s May 1, 1958, gage height, 24.90 ft; no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,100 ft³/s Dec. 20, gage height, 14.50 ft; minimum gage height, 6.78 ft Oct. 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.84	8.65	8.90	7.84	7.49	7.58	7.52	8.44	7.70	12.94	7.24	6.98
2	6.85	8.34	9.00	7.77	7.48	7.56	7.50	8.15	7.64	12.85	7.19	6.97
3	6.85	8.26	8.99	7.71	7.48	7.52	7.46	7.94	7.64	12.74	7.19	7.05
4	6.86	8.17	9.04	7.68	8.10	7.50	7.45	7.84	7.57	12.54	7.16	7.12
5	6.84	8.07	9.08	7.62	8.79	7.48	7.42	7.81	7.53	12.51	7.17	7.12
6	6.83	8.00	9.02	7.61	9.41	7.46	7.40	7.84	7.66	12.68	7.23	7.20
7	6.83	7.94	8.89	7.57	9.91	7.46	7.40	7.81	7.93	12.64	7.21	7.25
8	6.82	7.90	8.76	7.49	10.38	7.44	7.41	7.77	8.22	12.30	7.20	7.27
9	6.81	7.85	8.69	7.52	10.72	7.48	7.30	7.72	9.23	11.71	7.17	7.33
10	6.81	7.73	8.69	7.53	10.96	7.50	7.33	7.65	12.09	10.93	7.17	7.30
11	6.80	7.61	8.95	7.51	11.08	7.41	7.33	7.60	13.37	9.96	7.14	7.29
12	6.80	7.54	10.38	7.51	11.08	7.51	7.47	7.54	13.57	8.96	7.12	7.25
13	6.80	7.48	10.95	7.50	11.07	7.47	7.55	7.47	13.71	8.26	7.11	7.24
14	6.85	7.45	11.24	7.51	11.12	7.48	7.68	7.44	13.77	7.91	7.10	7.22
15	6.97	7.42	11.42	7.49	11.11	7.56	7.93	7.46	13.54	7.73	7.09	7.22
16	6.97	7.40	11.56	7.49	11.00	7.79	8.09	7.37	13.14	7.60	7.09	7.21
17	7.00	7.37	11.81	7.50	10.70	8.03	8.11	7.37	12.65	7.52	7.09	7.22
18	7.00	7.45	12.80	7.52	10.15	8.29	8.18	7.54	12.09	7.45	7.05	7.21
19	7.06	7.67	14.13	7.51	9.47	8.51	8.33	7.53	11.43	7.41	7.05	7.19
20	9.02	7.57	14.49	7.49	8.84	8.57	9.26	7.50	10.63	7.37	7.04	7.24
21	8.36	7.53	14.10	7.51	8.42	8.59	9.73	7.47	9.68	7.34	7.01	7.26
22	8.07	7.54	13.49	7.48	8.17	8.60	10.37	7.44	8.71	7.33	7.01	7.26
23	8.05	7.55	12.82	7.47	8.03	8.55	10.77	7.43	8.15	7.30	7.00	7.25
24	7.91	7.76	12.11	7.49	7.92	8.43	11.00	7.41	7.93	7.29	7.04	7.24
25	7.81	8.46	11.27	7.51	7.83	8.28	11.00	7.41	7.78	7.36	7.03	7.22
26	7.76	8.77	10.36	7.52	7.77	8.10	10.68	7.51	7.64	7.37	7.02	7.22
27	7.73	8.74	9.44	7.49	7.71	7.91	10.06	7.48	7.80	7.32	7.00	7.21
28	7.71	8.71	8.70	7.53	7.61	7.77	9.51	7.51	10.42	7.30	7.03	7.18
29	7.90	8.65	8.27	7.52	---	7.68	8.99	7.45	12.30	7.27	7.01	7.18
30	8.20	8.60	8.05	7.48	---	7.61	8.69	7.41	12.95	7.25	7.01	7.17
31	8.68	---	7.94	7.50	---	7.56	---	7.41	---	7.25	6.99	---
MAX	9.02	8.77	14.49	7.84	11.12	8.60	11.00	8.44	13.77	12.94	7.24	7.33
MIN	6.80	7.37	7.94	7.47	7.48	7.41	7.30	7.37	7.53	7.25	6.99	6.97

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in SE 1/4 NW 1/4 sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi west of Ringgold, and 17.0 mi upstream from mouth.

DRAINAGE AREA.--1,443 mi².

PERIOD OF RECORD.--October 1968 to current year (gage heights only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 130.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft concrete spillway equipped with 12 adjustable gates and a fish ladder. Each gate is 6.0-ft wide and 5.0-ft high and fits into a notch along the spillway crest. The 1.75-ft thick spillway crest is flat and has an invert at 11 ft gage height with invert of the notches at 6 ft gage height. The fish ladder is 4-ft wide and begins flowing at 4.1 ft gage height. Capacity at spillway crest is 120,000 acre-ft. Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft Feb. 8, 1975; minimum, 3.37 ft Nov. 18, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.50 ft June 11; minimum, 10.55 ft Oct. 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.77	11.85	11.81	11.39	11.18	11.23	11.23	11.53	11.41	12.39	11.02	10.81
2	10.67	11.72	11.87	11.35	11.18	11.21	11.20	11.53	11.38	12.27	11.01	10.80
3	10.65	11.62	11.80	11.32	11.17	11.24	11.19	11.46	11.34	12.18	11.01	10.85
4	10.64	11.53	11.70	11.30	11.53	11.22	11.18	11.39	11.31	12.09	10.97	10.93
5	10.64	11.47	11.64	11.27	11.70	11.19	11.18	11.34	11.27	12.02	10.98	10.93
6	10.61	11.41	11.61	11.25	11.76	11.20	11.16	11.32	11.29	12.01	10.94	11.02
7	10.61	11.40	11.56	11.29	11.82	11.13	11.13	11.30	11.31	12.00	11.01	11.03
8	10.59	11.35	11.54	11.29	11.81	11.18	11.14	11.30	11.34	11.99	10.99	11.07
9	10.59	11.32	11.52	11.22	11.82	11.13	11.14	11.30	11.59	11.95	10.99	11.06
10	10.58	11.32	11.51	11.21	11.84	11.14	11.10	11.29	12.05	11.90	10.96	11.06
11	10.58	11.30	11.60	11.20	11.82	11.19	11.09	11.26	12.46	11.82	10.96	11.06
12	10.58	11.26	11.98	11.19	11.81	11.14	11.20	11.24	12.44	11.72	10.96	11.11
13	10.57	11.23	12.09	11.20	11.80	11.18	11.22	11.22	12.36	11.61	10.93	11.06
14	10.61	11.20	12.06	11.19	11.78	11.19	11.21	11.18	12.28	11.51	10.91	11.05
15	10.79	11.18	12.01	11.19	11.82	11.21	11.23	11.18	12.20	11.41	10.89	11.02
16	10.79	11.16	11.96	11.19	11.80	11.22	11.26	11.14	12.15	11.33	10.87	11.02
17	10.78	11.16	11.93	11.23	11.80	11.26	11.27	11.09	12.10	11.27	10.86	11.03
18	10.77	11.13	11.94	11.22	11.78	11.30	11.30	11.27	12.07	11.22	10.89	11.01
19	10.85	11.16	11.96	11.21	11.73	11.36	11.33	11.27	11.99	11.18	10.87	11.02
20	12.17	11.23	12.07	11.21	11.65	11.39	11.72	11.25	11.90	11.15	10.86	11.07
21	12.00	11.21	12.13	11.18	11.60	11.40	11.80	11.21	11.81	11.13	10.86	11.08
22	11.78	11.18	12.15	11.22	11.52	11.38	11.82	11.17	11.71	11.14	10.83	11.08
23	11.72	11.18	12.12	11.20	11.44	11.39	11.78	11.14	11.59	11.12	10.82	11.05
24	11.58	11.30	12.06	11.16	11.39	11.41	11.77	11.14	11.49	11.09	10.82	11.04
25	11.48	11.52	11.98	11.23	11.35	11.41	11.78	11.14	11.42	11.07	10.84	11.02
26	11.41	11.61	11.85	11.22	11.32	11.40	11.76	11.26	11.35	11.09	10.83	11.02
27	11.36	11.60	11.80	11.22	11.32	11.38	11.74	11.22	11.36	11.08	10.81	11.00
28	11.47	11.66	11.70	11.14	11.31	11.34	11.75	11.24	11.60	11.07	10.91	11.00
29	11.47	11.61	11.58	11.20	---	11.32	11.66	11.22	12.09	11.06	10.88	10.98
30	11.75	11.56	11.49	11.21	---	11.27	11.60	11.19	12.37	11.05	10.84	10.96
31	11.94	---	11.45	11.18	---	11.25	---	11.18	---	11.03	10.82	---
MAX	12.17	11.85	12.15	11.39	11.84	11.41	11.82	11.53	12.46	12.39	11.02	11.11
MIN	10.57	11.13	11.45	11.14	11.17	11.13	11.09	11.09	11.27	11.03	10.81	10.80

07349374 FLAT RIVER NEAR CURTIS, LA

LOCATION.--Lat 32°26'20", long 93°37'37", In NW 1/4 NW 1/4 sec.29, T.17 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near left bank on downstream side of bridge on State Highway 612, 1.0 mi east of Curtis.

DRAINAGE AREA.--Indeterminate (see REMARKS).

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

REVISED RECORDS.--WRD LA-84: 1983-84(M).

GAGE.--Water-stage recorder. Datum of gage is 123.67 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 17, 1982 nonrecording gage read twice daily. Prior to Oct. 1, 1981 at datum 10.00 ft higher.

REMARKS.--Records above 100 ft³/s fair, poor below. Channel dredged August 1982. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminate. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--6 years (water years 1981-86), 76.5 ft³/s, 55,420 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft³/s Apr. 14, 1980, gage height, 27.39 ft, present datum, (prior to dredging August 1982). Maximum discharge, 4,250 ft³/s June 9, 1986, gage height, 25.72 ft (after dredging); no flow Aug. 10-12, 1982, result of temporary dam. Minimum daily discharge not regulated, 1.5 ft³/s, Sept. 10, 11, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,250 ft³/s June 9, gage height, 25.72 ft; minimum, 7.0 ft³/s Oct. 13; minimum gage height, 8.33 ft Aug. 14, 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	382	518	17	17	17	18	44	211	939	11	11
2	26	223	231	17	17	17	17	64	117	624	11	12
3	16	124	127	17	18	17	17	54	89	455	12	41
4	14	65	82	16	652	17	16	39	90	360	13	23
5	17	41	58	14	364	18	16	31	91	310	20	32
6	13	29	46	15	456	23	15	24	132	274	26	63
7	10	22	37	15	296	22	15	22	152	247	15	39
8	9.2	16	32	13	180	24	14	21	233	228	12	32
9	9.2	13	28	14	101	24	14	30	2100	209	11	24
10	9.0	11	25	22	90	25	14	36	2490	192	11	18
11	8.4	14	718	13	88	23	21	32	1210	176	12	15
12	8.0	24	872	15	66	36	36	31	681	157	11	17
13	9.1	14	704	13	49	27	47	28	399	144	9.7	20
14	78	14	504	14	38	28	38	28	268	133	9.2	19
15	408	14	337	12	23	28	29	26	183	120	9.2	18
16	96	14	199	14	17	55	27	24	126	109	9.5	17
17	29	15	110	14	35	39	25	53	101	98	9.5	15
18	18	59	70	13	37	48	21	181	102	83	17	15
19	128	187	52	13	24	65	37	126	98	63	14	15
20	237	198	41	13	20	40	387	101	75	53	11	15
21	67	139	38	13	18	35	274	65	49	46	9.8	16
22	174	85	35	12	19	30	205	41	40	76	9.6	120
23	294	56	31	12	16	25	138	38	33	57	9.9	124
24	85	229	25	12	16	23	89	30	26	42	13	71
25	42	485	24	14	16	22	61	45	21	35	15	45
26	24	350	23	14	17	21	47	98	18	29	11	29
27	17	249	18	14	17	20	41	52	1860	23	11	20
28	60	158	22	14	17	20	62	43	2120	16	14	17
29	166	94	17	15	---	19	57	41	1770	14	14	19
30	828	65	23	16	---	19	49	39	1430	13	12	18
31	702	---	20	17	---	18	---	140	---	12	11	---
TOTAL	3681.9	3389	5067	447	2724	845	1847	1627	16315	5337	384.4	940
MEAN	119	113	163	14.4	97.3	27.3	61.6	52.5	544	172	12.4	31.3
MAX	828	485	872	22	652	65	387	181	2490	939	26	124
MIN	8.0	11	17	12	16	17	14	21	18	12	9.2	11
AC-FT	7300	6720	10050	887	5400	1680	3660	3230	32360	10590	762	1860
CAL YR 1985	TOTAL	37137.8	MEAN	102	MAX	1000	MIN	7.1	AC-FT	73660		
WTR YR 1986	TOTAL	42604.3	MEAN	117	MAX	2490	MIN	8.0	AC-FT	84510		

RED RIVER BASIN

07349374 FLAT RIVER NEAR CURTIS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.73	11.57	12.24	8.59	8.60	8.58	9.01	9.36	12.54	17.81	8.44	8.51
2	9.00	10.62	10.66	8.58	8.59	8.61	9.02	9.76	11.37	16.17	8.44	8.57
3	8.76	9.94	9.98	8.58	8.60	8.62	9.00	9.63	11.00	14.87	8.45	9.21
4	8.70	9.39	9.58	8.57	12.88	8.62	8.98	9.37	11.01	13.96	8.43	8.88
5	8.79	9.05	9.31	8.50	11.47	8.64	8.98	9.27	11.03	13.36	8.52	9.07
6	8.66	8.86	9.13	8.54	11.97	8.79	8.90	9.19	11.68	12.91	8.63	9.65
7	8.59	8.70	8.99	8.52	11.07	8.77	8.90	9.18	11.85	12.55	8.43	9.22
8	8.56	8.55	8.91	8.48	10.34	8.82	8.87	9.20	12.48	12.30	8.35	9.08
9	8.56	8.47	8.83	8.48	9.76	8.83	8.80	9.41	19.63	12.03	8.37	8.94
10	8.55	8.42	8.78	8.70	9.66	8.86	8.78	9.56	22.65	11.80	8.37	8.83
11	8.53	8.50	12.98	8.47	9.64	8.82	8.82	9.50	19.02	11.56	8.40	8.77
12	8.52	8.74	14.04	8.52	9.40	9.07	9.10	9.48	16.53	11.28	8.38	8.82
13	8.55	8.51	13.20	8.47	9.17	8.90	9.32	9.43	14.45	11.10	8.34	8.88
14	9.22	8.48	12.21	8.50	9.00	8.92	9.14	9.44	13.01	10.91	8.33	8.86
15	11.75	8.51	11.31	8.45	8.74	8.92	8.97	9.43	11.93	10.71	8.34	8.84
16	9.65	8.51	10.47	8.49	8.58	9.34	8.93	9.47	11.15	10.53	8.36	8.80
17	8.86	8.54	9.84	8.49	8.93	9.09	8.90	10.03	10.76	10.33	8.37	8.77
18	8.61	9.20	9.45	8.48	8.98	9.18	8.82	12.12	10.75	10.10	8.60	8.76
19	9.70	10.39	9.22	8.46	8.75	9.45	9.10	11.39	10.68	9.79	8.53	8.76
20	10.69	10.46	9.06	8.46	8.66	9.05	13.99	11.06	10.33	9.61	8.44	8.77
21	9.41	10.07	9.00	8.46	8.62	9.00	12.66	10.61	9.89	9.45	8.41	8.80
22	10.14	9.60	8.95	8.45	8.65	9.01	11.72	10.21	9.71	9.85	8.41	10.56
23	11.04	9.28	8.88	8.44	8.57	9.05	10.75	10.14	9.55	9.46	8.43	10.68
24	9.59	10.51	8.77	8.44	8.57	9.07	10.00	10.01	9.41	9.18	8.53	9.89
25	9.06	12.11	8.77	8.51	8.57	9.07	9.57	10.26	9.31	9.02	8.59	9.45
26	8.76	11.39	8.73	8.49	8.59	9.09	9.32	11.14	9.23	8.90	8.49	9.17
27	8.58	10.78	8.61	8.50	8.59	9.06	9.20	10.42	18.96	8.79	8.48	9.01
28	9.23	10.20	8.72	8.51	8.58	9.02	9.58	10.26	21.89	8.63	8.59	8.97
29	10.25	9.69	8.59	8.53	---	9.02	9.53	10.21	21.05	8.56	8.61	9.01
30	13.83	9.39	8.73	8.55	---	9.02	9.41	10.18	19.88	8.52	8.53	9.01
31	13.19	---	8.67	8.59	---	9.00	---	11.54	---	8.49	8.50	---
MAX	13.83	12.11	14.04	8.70	12.88	9.45	13.99	12.12	22.65	17.81	8.63	10.68
MIN	8.52	8.42	8.59	8.44	8.57	8.58	8.78	9.18	9.23	8.49	8.33	8.51

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE 1/4 sec.15, T.22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11140205, on left bank on downstream side of bridge on State Highway 2, 2.1 mi northwest of Sarepta, and 9.5 mi upstream from Caney Creek.

DRAINAGE AREA.--546 mi².

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Estimated daily discharges: June 11-23. Records good. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft) 15 mi upstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 561 ft³/s, 406,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft³/s May 2, 1958, gage height, 25.14 ft; minimum, 0.1 ft³/s at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft Aug. 14-19, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 23, 1930, exceeded 25 ft and flood in 1905 may have reached a stage of 27 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	2000	*2800	*15.94	No peak greater than base discharge.			
Minimum discharge, 4.8 ft ³ /s Sept. 29, 30, gage height, 2.15 ft.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	136	400	378	435	514	88	651	328	2760	393	222
2	35	134	395	341	449	500	86	632	338	2650	377	239
3	33	132	415	348	445	486	85	609	430	2640	362	282
4	32	130	439	402	640	473	82	592	641	2630	349	282
5	30	122	432	416	721	459	81	572	1080	2510	335	210
6	29	117	417	399	784	445	86	556	1380	2270	320	239
7	29	113	412	390	758	430	93	541	1350	2040	305	153
8	28	109	401	380	716	417	93	532	1280	1800	292	59
9	27	108	385	369	684	406	92	528	1480	1560	279	26
10	26	106	372	360	667	394	90	523	1630	1340	271	18
11	26	107	539	352	668	365	88	514	1600	1190	278	14
12	26	108	775	343	693	243	115	465	1600	1040	276	9.9
13	28	109	1270	334	753	139	278	377	1500	890	265	9.1
14	30	109	1770	326	827	106	376	287	1400	726	334	8.5
15	33	108	1930	318	874	95	312	210	1300	569	400	8.1
16	35	107	2040	313	895	144	215	143	1200	447	441	6.7
17	35	145	2440	307	886	214	154	137	1100	369	486	7.0
18	35	162	2750	300	844	175	136	194	1000	334	438	6.9
19	52	202	2770	212	790	151	156	218	900	317	415	6.9
20	72	212	2580	112	733	137	482	210	800	306	391	6.8
21	103	186	2290	84	679	130	729	182	700	296	369	6.6
22	95	151	2020	78	636	119	853	157	600	399	352	6.4
23	75	134	1770	75	608	109	834	138	500	430	342	6.9
24	61	190	1490	74	587	102	694	131	405	353	336	6.8
25	54	262	1250	84	570	100	494	148	359	297	309	6.4
26	50	315	1080	82	555	99	316	173	334	278	292	6.4
27	48	378	925	78	541	97	306	179	600	351	278	6.3
28	50	421	769	77	526	95	439	178	1110	417	270	5.6
29	54	413	629	81	---	94	556	188	2330	430	253	5.0
30	80	375	519	230	---	93	634	288	2730	423	242	4.9
31	110	---	439	375	---	91	---	331	---	409	231	---
TOTAL	1458	5401	36113	8018	18964	7422	9043	10584	32005	32471	10281	1875.2
MEAN	47.0	180	1165	259	677	239	301	341	1067	1047	332	62.5
MAX	110	421	2770	416	895	514	853	651	2730	2760	486	282
MIN	26	106	372	74	435	91	81	131	328	278	231	4.9
AC-FT	2890	10710	71630	15900	37620	14720	17940	20990	63480	64410	20390	3720
CAL YR 1985	TOTAL	182757		MEAN	501	MAX	2770	MIN	22	AC-FT	362500	
WTR YR 1986	TOTAL	173635.2		MEAN	476	MAX	2770	MIN	4.9	AC-FT	344400	

RED RIVER BASIN

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	5.10	7.47	7.30	7.40	7.97	4.26	8.97	6.62	15.89	7.09	5.69
2	3.52	5.07	7.43	7.01	7.49	7.87	4.24	8.83	6.69	15.76	6.98	5.85
3	3.48	5.05	7.59	7.07	7.47	7.76	4.21	8.67	7.36	15.74	6.87	6.23
4	3.45	5.02	7.76	7.48	8.88	7.66	4.18	8.55	8.89	15.73	6.78	6.23
5	3.41	4.91	7.72	7.59	9.46	7.56	4.17	8.41	11.63	15.56	6.67	5.56
6	3.39	4.83	7.60	7.46	9.89	7.47	4.23	8.29	13.05	15.23	6.55	5.84
7	3.39	4.78	7.56	7.39	9.72	7.37	4.33	8.18	12.95	14.77	6.43	4.98
8	3.37	4.72	7.48	7.32	9.43	7.27	4.34	8.11	12.70	14.23	6.32	3.66
9	3.33	4.70	7.36	7.23	9.20	7.19	4.32	8.08	13.31	13.59	6.21	2.95
10	3.30	4.67	7.26	7.17	9.08	7.11	4.29	8.05	13.79	12.90	6.14	2.71
11	3.30	4.67	8.45	7.10	9.09	6.92	4.27	7.98	---	12.21	6.20	2.56
12	3.31	4.69	10.06	7.03	9.26	5.93	4.62	7.61	---	11.47	6.18	2.42
13	3.34	4.69	12.20	6.96	9.68	4.92	6.22	6.98	---	10.58	6.08	2.38
14	3.41	4.69	14.14	6.89	10.17	4.51	6.99	6.27	---	9.49	6.65	2.35
15	3.47	4.68	14.53	6.82	10.48	4.36	6.51	5.57	---	8.38	7.14	2.34
16	3.53	4.66	14.79	6.78	10.61	4.96	5.69	4.87	---	7.47	7.44	2.27
17	3.52	5.14	15.47	6.73	10.56	5.68	5.10	4.80	---	6.92	7.76	2.28
18	3.52	5.35	15.88	6.66	10.29	5.32	4.89	5.42	---	6.66	7.41	2.28
19	3.88	5.77	15.90	5.81	9.93	5.06	5.08	5.65	---	6.53	7.25	2.28
20	4.24	5.87	15.66	4.63	9.54	4.91	7.74	5.57	---	6.43	7.08	2.28
21	4.69	5.60	15.26	4.22	9.17	4.81	9.51	5.31	---	6.35	6.92	2.26
22	4.59	5.21	14.75	4.11	8.86	4.68	10.34	5.04	---	7.13	6.80	2.25
23	4.28	4.99	14.13	4.06	8.67	4.54	10.22	4.82	---	7.35	6.72	2.28
24	4.04	5.61	13.41	4.05	8.52	4.46	9.27	4.73	7.18	6.80	6.68	2.27
25	3.90	6.33	12.60	4.21	8.39	4.42	7.82	4.94	6.85	6.36	6.46	2.25
26	3.82	6.80	11.80	4.18	8.28	4.41	6.51	5.21	6.66	6.20	6.32	2.26
27	3.77	7.30	10.97	4.11	8.18	4.39	6.43	5.28	8.56	6.79	6.20	2.25
28	3.81	7.63	10.02	4.09	8.07	4.37	7.42	5.26	11.76	7.26	6.13	2.20
29	3.88	7.57	9.10	4.16	---	4.35	8.29	5.35	14.77	7.36	5.98	2.16
30	4.32	7.28	8.35	5.79	---	4.33	8.85	6.28	15.85	7.31	5.88	2.16
31	4.75	---	7.76	6.98	---	4.30	---	6.63	---	7.20	5.77	---
MAX	4.75	7.63	15.90	7.59	10.61	7.97	10.34	8.97	15.85	15.89	7.76	6.23
MIN	3.30	4.66	7.26	4.05	7.40	4.30	4.17	4.73	6.62	6.20	5.77	2.16

LOCATION.--Lat 32°47'15", long 93°42'27", in SW 1/4 NE 1/4 sec.28, T.20 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near center of span on downstream side of bridge on State Highway 160, 0.7 mi east of Swindleville, 1.0 mi northeast of Alden Bridge, and 6.0 mi north of Benton.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 29	2300	*3970	*11.99	No other peak greater than base discharge.			
Minimum, no flow many days.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	37	33	15	12	11	4.4	9.6	1.3	992	.56	.00
2	.00	18	83	14	11	9.5	3.6	9.9	.83	446	.47	.06
3	.00	6.9	71	14	12	8.8	3.9	11	26	241	.39	.24
4	.00	2.4	40	13	169	8.5	4.8	9.7	189	114	.36	1.7
5	.00	1.4	26	12	270	8.6	2.7	7.6	267	67	.34	2.6
6	.00	2.1	19	11	280	8.1	3.7	5.7	310	50	.31	6.4
7	.00	.59	15	10	230	7.4	13	4.5	221	37	.25	13
8	.00	.25	12	11	154	6.6	14	3.7	111	28	.19	4.4
9	.00	.16	9.9	14	88	5.7	9.1	3.0	186	21	.14	2.1
10	.00	.14	8.6	15	75	6.0	5.7	2.6	453	17	.11	1.1
11	.00	.18	105	14	78	6.0	3.8	2.5	454	13	.11	.63
12	.00	.23	271	12	72	6.5	4.1	2.5	334	11	.09	.52
13	.00	.26	302	11	59	11	17	2.0	238	8.8	.04	.35
14	.00	.28	267	11	50	16	23	1.5	128	7.4	.00	.26
15	.00	.29	208	11	46	13	13	1.4	47	6.1	.00	.18
16	.00	.28	126	8.8	41	19	7.4	.78	27	4.9	.00	.15
17	.00	6.1	74	8.1	38	52	3.9	6.3	26	4.0	.00	.14
18	.00	19	58	8.7	37	47	2.4	95	40	2.8	.00	.12
19	.07	22	48	9.7	32	42	12	108	28	2.2	1.7	.11
20	.74	13	40	11	28	41	255	44	14	1.9	1.0	.14
21	.21	5.7	35	11	24	27	389	17	8.3	2.0	.51	.17
22	.16	2.4	31	10	21	17	340	7.6	5.3	6.2	.41	.18
23	.18	.98	30	8.7	18	14	200	4.0	3.3	38	.33	.16
24	.16	13	28	7.4	16	12	62	2.6	2.1	23	.30	.16
25	.12	60	25	17	14	8.9	34	2.3	1.3	9.3	.28	.15
26	.09	52	21	50	14	9.6	23	2.5	.81	5.3	.23	.13
27	.07	36	18	41	13	18	17	8.4	1420	3.7	.17	.09
28	.25	31	17	27	12	12	14	8.7	3020	2.0	.14	.07
29	1.4	24	18	19	---	8.4	13	5.8	3030	1.4	.07	.05
30	7.9	20	17	16	---	6.0	12	3.7	2770	.94	.01	.02
31	35	---	16	14	---	5.0	---	2.1	---	.73	.00	---
TOTAL	46.35	375.64	2072.5	455.4	1914	471.6	1510.5	395.98	13362.24	2167.67	8.51	35.38
MEAN	1.50	12.5	66.9	14.7	68.4	15.2	50.4	12.8	445	69.9	.27	1.18
MAX	.35	60	302	50	280	52	389	108	3030	992	1.7	13
MIN	.00	.14	8.6	7.4	11	5.0	2.4	.78	.81	.73	.00	.00
CFSM	.02	.14	.75	.17	.77	.17	.57	.14	5.01	.79	.00	.01
IN.	.02	.16	.87	.19	.80	.20	.63	.17	5.59	.91	.00	.01
AC-FT	92	745	4110	903	3800	935	3000	785	26500	4300	17	70
CAL YR 1985		TOTAL	17388.83		MEAN	47.6		409		CFSM	.54	
WTR YR 1986		TOTAL	22815.77		MEAN	62.5		3030		IN.	7.28	34490

07349795 CYPRESS BAYOU ABOVE BENTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.41	3.93	3.80	3.19	3.04	2.99	2.61	2.82	2.30	9.72	2.16	1.72
2	1.37	3.32	4.96	3.16	2.98	2.92	2.55	2.84	2.22	8.46	2.13	1.78
3	1.33	2.84	4.71	3.13	3.00	2.89	2.56	2.90	3.21	7.03	2.10	2.01
4	1.29	2.55	4.00	3.07	6.15	2.87	2.63	2.83	6.47	5.45	2.09	2.35
5	1.25	2.43	3.61	3.02	7.34	2.87	2.46	2.71	7.31	4.65	2.08	2.44
6	1.20	2.50	3.37	2.98	7.43	2.84	2.54	2.59	7.67	4.26	2.06	2.64
7	1.16	2.26	3.19	2.95	6.96	2.81	3.09	2.51	6.84	3.94	2.03	3.10
8	1.11	2.10	3.08	2.99	6.02	2.76	3.13	2.44	5.40	3.68	1.99	2.61
9	1.07	2.03	3.00	3.13	5.04	2.70	2.90	2.37	6.28	3.46	1.94	2.39
10	1.03	2.01	2.94	3.18	4.81	2.72	2.70	2.33	8.52	3.28	1.91	2.27
11	1.00	2.05	5.01	3.12	4.86	2.72	2.56	2.32	8.53	3.11	1.92	2.18
12	.96	2.10	7.35	3.04	4.75	2.75	2.59	2.31	7.84	2.98	1.90	2.15
13	.92	2.11	7.61	3.00	4.48	2.99	3.27	2.27	7.04	2.89	1.85	2.08
14	.91	2.13	7.32	2.97	4.27	3.22	3.50	2.22	5.62	2.80	1.81	2.03
15	.95	2.14	6.71	3.01	4.17	3.07	3.09	2.19	4.19	2.73	1.77	1.98
16	.93	2.13	5.63	2.88	4.05	3.32	2.80	2.11	3.66	2.65	1.75	1.95
17	.90	2.67	4.80	2.85	3.96	4.33	2.57	2.52	3.62	2.58	1.77	1.94
18	.91	3.37	4.46	2.88	3.94	4.20	2.43	5.10	4.02	2.47	1.75	1.93
19	1.30	3.47	4.22	2.93	3.82	4.07	2.77	5.37	3.66	2.40	2.25	1.92
20	2.29	3.14	4.02	3.00	3.68	4.05	7.09	4.11	3.15	2.37	2.25	1.94
21	2.08	2.79	3.90	3.00	3.57	3.65	8.21	3.26	2.85	2.37	2.14	1.97
22	2.03	2.55	3.79	2.95	3.44	3.29	7.89	2.81	2.67	2.72	2.11	1.98
23	2.05	2.36	3.73	2.88	3.31	3.12	6.57	2.57	2.51	3.96	2.07	1.96
24	2.03	2.99	3.70	2.80	3.22	3.02	4.51	2.43	2.38	3.49	2.06	1.96
25	1.99	4.49	3.58	3.24	3.15	2.89	3.81	2.41	2.29	2.90	2.04	1.95
26	1.96	4.30	3.43	4.28	3.12	2.92	3.45	2.43	2.22	2.67	2.02	1.93
27	1.93	3.91	3.30	4.05	3.09	3.34	3.20	2.83	7.89	2.55	1.97	1.90
28	2.06	3.79	3.27	3.65	3.05	3.05	3.06	2.87	11.45	2.38	1.94	1.88
29	2.44	3.58	3.29	3.38	---	2.86	2.98	2.71	11.43	2.31	1.88	1.86
30	2.85	3.40	3.26	3.23	---	2.72	2.94	2.55	11.26	2.25	1.82	1.84
31	3.85	---	3.23	3.13	---	2.65	---	2.39	---	2.21	1.77	---
MAX	3.85	4.49	7.61	4.28	7.43	4.33	8.21	5.37	11.45	9.72	2.25	3.10
MIN	.90	2.01	2.94	2.80	2.98	2.65	2.43	2.11	2.22	2.21	1.75	1.72

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE 1/4 SW 1/4 sec. 12, T.19 N., R.13 W., Webster Parish, Hydrologic Unit 11140204, attached to pier of catwalk to diversion structure about 4,500 ft northwest of spillway, and 5.0 mi southeast of Benton.

DRAINAGE AREA.--163 mi².

PERIOD OF RECORD.--January 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by a 6,000-ft earthfill dam on Cypress Bayou. The 250-ft concrete spillway with crest at 9.60 ft, gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft. A 6- by 6-ft sluice gate with still at -15.5 ft, gage datum, is located at diversion structure 4,500 ft northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation. Gates were open June 28-30 and closed the remainder of the water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.02 ft June 29, 1986; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.02 ft June 29; minimum, 2.73 ft Nov. 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.32	3.24	4.48	8.09	8.33	9.56	9.56	9.68	9.61	11.60	9.43	8.93
2	3.18	3.13	4.51	8.09	8.35	9.54	9.55	9.69	9.59	10.96	9.42	8.92
3	3.12	3.00	4.56	8.11	8.35	9.56	9.54	9.66	9.62	10.52	9.38	8.96
4	3.11	2.84	4.65	8.12	8.73	9.57	9.53	9.62	9.64	10.20	9.37	9.25
5	3.08	2.79	4.71	8.12	9.00	9.55	9.57	9.60	9.73	9.94	9.33	9.24
6	3.05	2.78	4.74	8.11	9.38	9.55	9.60	9.59	9.92	9.73	9.30	9.41
7	3.04	2.81	4.76	8.15	9.68	9.53	9.59	9.57	10.04	9.56	9.28	9.42
8	3.01	2.77	4.78	8.13	9.87	9.53	9.57	9.57	10.06	9.58	9.26	9.42
9	3.00	2.73	4.79	8.14	9.97	9.51	9.59	9.57	10.31	9.59	9.24	9.39
10	2.98	2.75	4.81	8.14	9.94	9.53	9.56	9.56	10.74	9.59	9.22	9.38
11	2.98	2.80	5.13	8.14	9.89	9.52	9.55	9.55	10.60	9.56	9.21	9.36
12	2.96	2.79	5.69	8.15	9.86	9.58	9.61	9.55	10.49	9.55	9.21	9.42
13	2.95	2.79	6.24	8.16	9.83	9.58	9.62	9.53	10.37	9.54	9.18	9.41
14	2.93	2.79	6.66	8.17	9.81	9.58	9.61	9.51	10.24	9.53	9.16	9.39
15	3.06	2.77	7.03	8.17	9.78	9.57	9.60	9.49	10.10	9.52	9.14	9.37
16	3.05	2.80	7.33	8.18	9.75	9.69	9.57	9.48	10.00	9.50	9.16	9.36
17	3.02	3.31	7.53	8.19	9.75	9.68	9.55	9.55	9.90	9.48	9.14	9.35
18	3.01	3.45	7.66	8.20	9.73	9.66	9.56	9.75	9.86	9.47	9.17	9.33
19	3.06	3.50	7.73	8.21	9.71	9.74	9.54	9.80	9.80	9.45	9.15	9.32
20	3.27	3.46	7.80	8.21	9.69	9.71	10.13	9.81	9.75	9.43	9.13	9.31
21	3.27	3.46	7.86	8.21	9.69	9.69	10.20	9.76	9.70	9.41	9.11	9.31
22	3.17	3.46	7.90	8.22	9.67	9.66	10.23	9.72	9.66	9.62	9.07	9.36
23	3.11	3.45	7.94	8.22	9.64	9.65	10.20	9.68	9.63	9.60	9.06	9.35
24	3.00	3.56	8.03	8.21	9.63	9.64	10.12	9.64	9.60	9.59	9.04	9.33
25	2.98	3.84	7.99	8.25	9.61	9.62	9.99	9.63	9.58	9.58	9.04	9.32
26	2.98	4.02	7.99	8.26	9.60	9.61	9.87	9.63	9.55	9.56	9.03	9.32
27	2.95	4.14	8.02	8.27	9.61	9.60	9.79	9.60	10.05	9.54	9.01	9.30
28	3.03	4.24	8.06	8.28	9.55	9.61	9.80	9.66	11.58	9.52	9.04	9.29
29	3.12	4.28	8.05	8.30	---	9.59	9.73	9.64	12.02	9.50	9.01	9.29
30	3.30	4.33	8.06	8.32	---	9.58	9.69	9.62	11.95	9.48	8.98	9.27
31	3.35	---	8.07	8.33	---	9.57	---	9.61	---	9.45	8.95	---
MAX	3.35	4.33	8.07	8.33	9.97	9.74	10.23	9.81	12.02	11.60	9.43	9.42
MIN	2.93	2.73	4.48	8.09	8.33	9.51	9.53	9.48	9.55	9.41	8.95	8.92

07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW 1/4 NW 1/4 sec.22, T.17 N., R.12 W., Bossier Parish, Hydrologic unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi west of Sligo.

DRAINAGE AREA.--980 mi².

PERIOD OF RECORD.--Annual maximums, water years 1960-80. July 1980 to current year.

REVISED RECORDS.--WDR LA-82-1: 1968-80(M).

GAGE.--Water-stage recorder. Elevation of gage is 120.00 ft above National Geodetic Vertical Datum of 1929. Dec. 1, 1959 to July 10, 1980, crest-stage indicator at same site. Dec. 1, 1966 to July 10, 1980 at datum 121.26 ft lower and prior to Dec. 1, 1966 at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year

AVERAGE DISCHARGE.--6 years (water year 1981-86) 678 ft³/s, 491,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,740 ft³/s June 29, 1986; maximum gage height, 35.01 ft, present datum, June 22, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,950 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 10	2400	2460	30.32	July 12	2400	2550	30.65
June 29	1400	*3740	*34.34	July 22	0100	2090	28.97
July 7	1200	2870	31.74				

Minimum discharge, 10.0 ft³/s Sept. 30; minimum gage height, 16.06 ft Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	442	558	1370	263	850	223	850	292	3600	1420	309
2	117	430	525	1380	227	833	193	840	249	3370	1350	305
3	122	431	495	1370	191	816	163	820	232	3200	1280	329
4	125	406	475	1360	378	795	143	797	224	3100	1200	352
5	104	364	458	1350	460	773	129	776	234	3010	1130	383
6	73	354	448	1330	589	750	120	755	264	2940	1060	386
7	51	333	443	1300	641	726	120	734	320	2860	986	370
8	39	292	440	1270	681	704	123	714	412	2800	927	353
9	33	232	439	1230	717	680	117	695	1240	2740	874	337
10	29	174	438	1190	761	656	111	677	2300	2680	823	322
11	27	127	725	1140	807	633	107	659	2370	2620	772	308
12	26	97	913	1090	841	621	116	640	1950	2560	719	289
13	25	83	1030	1040	871	599	160	616	1730	2530	666	251
14	27	94	1030	988	893	584	162	598	1660	2470	612	209
15	52	139	972	943	905	570	152	582	1630	2410	560	162
16	43	106	923	902	912	575	148	563	1610	2360	513	125
17	53	117	889	865	918	572	152	560	1590	2310	469	101
18	56	219	889	827	921	572	157	601	1580	2260	439	80
19	86	364	929	789	924	569	190	591	1570	2200	402	56
20	118	372	967	752	925	561	582	595	1540	2160	377	37
21	128	355	1000	715	928	550	759	600	1510	2110	361	26
22	182	345	1040	677	925	533	883	583	1490	2070	351	77
23	220	319	1090	637	920	513	881	562	1470	2020	346	39
24	221	346	1140	598	916	489	868	523	1440	1970	355	23
25	211	418	1180	561	911	462	869	478	1410	1900	359	16
26	189	441	1230	518	900	431	875	453	1370	1840	354	13
27	153	464	1270	475	885	398	884	417	2000	1780	349	12
28	139	461	1310	432	868	362	893	411	2750	1710	344	11
29	156	445	1330	389	---	322	874	368	3620	1640	335	11
30	315	432	1350	346	---	287	864	323	3720	1570	326	10
31	399	---	1360	302	---	253	---	309	---	1500	317	---
TOTAL	3656	9202	27286	28136	21078	18039	12018	18690	43777	74290	20376	5302
MEAN	118	307	880	908	753	582	401	603	1459	2396	657	177
MAX	399	464	1360	1380	928	850	893	850	3720	3600	1420	386
MIN	25	83	438	302	191	253	107	309	224	1500	317	10
AC-FT	7250	18250	54120	55810	41810	35780	23840	37070	86830	147400	40420	10520
CAL YR 1985	TOTAL	296578	MEAN	813	MAX	2080	MIN	11	AC-FT	588300		
WTR YR 1986	TOTAL	281850	MEAN	772	MAX	3720	MIN	10	AC-FT	559000		

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.10	20.70	21.49	25.81	19.32	23.17	18.97	23.17	19.56	33.97	26.05	19.69
2	17.89	20.61	21.27	25.83	19.01	23.07	18.71	23.12	19.20	33.33	25.72	19.66
3	17.94	20.62	21.07	25.81	18.69	22.98	18.42	23.00	19.05	32.84	25.38	19.85
4	17.97	20.43	20.93	25.78	20.20	22.87	18.18	22.88	18.98	32.50	25.02	20.02
5	17.74	20.11	20.81	25.71	20.82	22.75	18.01	22.77	19.07	32.22	24.67	20.26
6	17.34	20.03	20.74	25.61	21.68	22.63	17.92	22.65	19.33	31.97	24.30	20.28
7	17.00	19.87	20.70	25.50	22.00	22.49	17.92	22.54	19.77	31.73	23.93	20.16
8	16.77	19.56	20.68	25.33	22.24	22.37	17.95	22.42	20.47	31.51	23.61	20.02
9	16.65	19.06	20.67	25.15	22.44	22.23	17.89	22.32	24.91	31.30	23.31	19.90
10	16.57	18.53	20.67	24.94	22.68	22.09	17.82	22.21	29.74	31.09	23.02	19.79
11	16.52	18.00	22.42	24.71	22.93	21.96	17.78	22.11	29.99	30.88	22.74	19.68
12	16.48	17.66	23.52	24.45	23.12	21.88	17.87	22.00	28.38	30.68	22.45	19.53
13	16.46	17.49	24.14	24.19	23.29	21.75	18.38	21.85	27.42	30.58	22.15	19.22
14	16.51	17.62	24.15	23.93	23.41	21.65	18.40	21.74	27.10	30.37	21.83	18.85
15	16.99	18.14	23.85	23.69	23.48	21.56	18.30	21.64	26.97	30.16	21.50	18.40
16	16.85	17.76	23.58	23.47	23.52	21.59	18.25	21.52	26.89	29.98	21.19	17.97
17	17.02	17.89	23.39	23.26	23.56	21.57	18.29	21.50	26.81	29.79	20.89	17.71
18	17.07	18.91	23.39	23.04	23.57	21.58	18.35	21.76	26.73	29.59	20.68	17.45
19	17.48	20.11	23.62	22.84	23.59	21.56	18.68	21.70	26.70	29.40	20.40	17.09
20	17.90	20.18	23.82	22.64	23.59	21.50	21.62	21.72	26.57	29.21	20.21	16.76
21	18.00	20.04	24.00	22.43	23.61	21.43	22.67	21.75	26.46	29.02	20.09	16.52
22	18.59	19.96	24.22	22.21	23.59	21.32	23.36	21.64	26.35	28.89	20.01	17.35
23	18.95	19.77	24.46	21.98	23.57	21.19	23.35	21.51	26.25	28.68	19.97	16.80
24	18.96	19.98	24.70	21.74	23.55	21.03	23.28	21.26	26.14	28.43	20.04	16.46
25	18.88	20.52	24.92	21.50	23.51	20.84	23.28	20.95	25.98	28.17	20.07	16.26
26	18.68	20.69	25.14	21.22	23.45	20.62	23.32	20.77	25.83	27.90	20.03	16.16
27	18.31	20.85	25.34	20.93	23.37	20.37	23.36	20.52	28.46	27.61	19.99	16.12
28	18.13	20.83	25.51	20.62	23.28	20.09	23.42	20.47	31.35	27.31	19.96	16.10
29	18.33	20.72	25.64	20.30	---	19.79	23.31	20.14	34.00	27.01	19.89	16.08
30	19.72	20.62	25.72	19.97	---	19.52	23.25	19.79	34.29	26.71	19.82	16.07
31	20.37	---	25.78	19.64	---	19.24	---	19.69	---	26.39	19.75	---
MAX	20.37	20.85	25.78	25.83	23.61	23.17	23.42	23.17	34.29	33.97	26.05	20.28
MIN	16.46	17.49	20.67	19.64	18.69	19.24	17.78	19.69	18.98	26.39	19.75	16.07

07349990 RED RIVER AT WILLIAMS, LA

LOCATION.--Lat 32°11'41", long 93°27'52", SE1/4 sec.14, T.14 N., R.10 W., Red River Parish, Hydrologic Unit 11140202, near right bank, 0.8 mi east of Williams, and at mi 241.0.

DRAINAGE AREA.--63,300 mi², approximately, of which 5936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1983 to September 1984, October 1985 to September 1986.

REMARKS.--Water-quality samples are non-integrated and collected from bank.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 09...	1300	902	7.70	22.5	10	15	9.4	23	3.4	K1900
NOV 19...	0845	611	7.60	21.5	30	100	8.3	23	2.3	K16000
DEC 17...	1000	181	7.60	7.5	30	120	10.4	19	1.7	4100
JAN 09...	1045	357	7.80	6.0	60	50	11.8	33	2.6	20000
FEB 26...	1100	180	7.60	13.5	100	80	9.7	30	1.1	K850
MAR 11...	0915	489	7.60	17.5	30	15	9.3	44	—	K6100
APR 09...	0830	312	7.70	19.5	60	270	6.7	53	2.4	7000
MAY 22...	1000	295	7.80	24.5	50	130	6.9	25	1.0	5800
JUN 04...	1000	512	7.70	25.5	40	75	7.1	28	1.6	K4200
JUL 08...	1000	619	7.90	30.0	30	65	7.4	22	1.6	5200
AUG 19...	1030	1020	7.70	27.0	15	8.0	7.2	<10	3.7	810
SEP 03...	1000	1010	8.10	27.5	15	9.6	7.3	<10	4.4	2700

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 09...	84	K24	270	74	21	81	4.0	244	65	100
NOV 19...	1200	1600	130	36	9.6	66	4.3	77	60	98
DEC 17...	—	680	50	15	3.0	13	2.6	48	14	14
JAN 09...	>5000	80	100	31	6.2	30	3.3	77	30	43
FEB 26...	44	K45	54	17	2.9	13	2.3	43	16	16
MAR 11...	K190	68	140	41	8.7	40	4.0	103	41	55
APR 09...	500	1100	100	32	6.0	22	2.9	76	20	33
MAY 22...	<5	200	88	24	6.9	22	2.3	68	28	29
JUN 04...	400	130	110	32	7.5	49	2.9	69	53	74
JUL 08...	—	K150	150	41	11	65	3.5	82	71	100
AUG 19...	—	K18	260	70	20	110	4.6	169	71	170
SEP 03...	84	—	300	79	25	100	1.9	201	94	150

> Actual value is known to be greater than the value shown.

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07349990 RED RIVER AT WILLIAMS, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	507	120	0.01	0.01	1.3	1.3	0.18	0.11	8.8
NOV 19...	337	117	0.03	0.24	0.58	0.82	0.19	0.10	8.7
DEC 17...	101	212	0.02	0.17	2.1	2.3	0.23	0.08	12
JAN 09...	210	65	0.02	0.19	1.1	1.3	0.18	0.11	9.8
FEB 26...	104	89	0.02	0.24	0.67	0.91	0.15	0.10	8.7
MAR 11...	262	28	0.01	0.01	0.98	0.99	0.15	0.05	16
APR 09...	178	992	0.07	0.34	1.8	2.1	0.60	0.14	17
MAY 22...	167	400	0.05	0.35	1.0	1.4	0.20	0.16	9.6
JUN 04...	287	94	0.02	0.15	0.65	0.80	0.14	0.07	8.9
JUL 08...	357	209	0.01	0.01	1.0	1.0	0.22	0.06	9.3
AUG 19...	637	23	<0.01	0.01	1.4	1.4	0.14	0.09	9.5
SEP 03...	600	19	0.01	0.02	<.20	0.07	0.20	0.07	8.6

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 09...	2	<10	1	10	7	1500	12	280	<0.1	8	<1
JAN 09...	1	<10	1	<10	5	2600	<5	70	<0.1	4	<1
APR 09...	5	<10	<1	20	20	15000	21	860	<0.1	8	<1
JUL 08...	2	<10	<1	<10	10	4000	<5	230	<0.1	8	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 09...	20	<0.01	3	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
JAN 09...	90	<0.01	3	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
APR 09...	50	<0.01	2	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.003	<0.001
JUL 08...	20	<0.01	3	1	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001

< Actual value is known to be less than the value shown.

07349990 RED RIVER AT WILLIAMS, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 09...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.002	<0.01	<0.01	<0.01
JAN 09...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 09...	0.02	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01
JUL 08...	0.02	0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	0.01
JAN 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
APR 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.09	<0.01	<0.01	<0.01
JUL 08...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.05	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07350517 RED RIVER AT CAMPTI, LA

LOCATION.--Lat 31°53'33", long 93°07'56", in SW1/4 sec.31, T.10 N., R.7 W., Natchitoches Parish, Hydrologic Unit 11140202, near left bank, 0.5 mi west of CampTI, and at mile 194.0.

DRAINAGE AREA.--64,500 mi², approximately, of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1983 to September 1984, October 1985 to September 1986.

REMARKS.--Water-quality samples are non-integrated and collected from bank.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 08...	1500	842	7.90	21.0	10	20	9.6	23	5.3	K200
NOV 19...	1310	573	7.60	21.5	40	120	8.3	20	2.9	K5000
DEC 17...	1420	176	7.40	7.5	80	150	10.2	29	0.9	4400
JAN 08...	0835	331	8.00	7.0	50	50	11.6	47	2.1	4200
FEB 26...	1600	191	7.60	14.5	60	70	9.5	29	1.1	4000
MAR 11...	1200	406	7.80	18.0	30	25	9.4	45	—	750
APR 09...	1215	329	7.70	20.5	50	270	6.6	53	2.4	2200
MAY 22...	1400	386	7.80	25.5	40	110	7.3	25	0.7	1100
JUN 04...	1400	487	7.60	25.5	40	90	7.1	23	1.4	1400
JUL 09...	1045	505	7.80	29.0	50	55	6.9	34	1.9	—
AUG 19...	1550	1030	8.00	26.0	15	8.3	8.4	25	3.9	2100
SEP 03...	1500	1010	7.90	27.5	20	9.0	8.4	12	8.3	700

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 08...	K15	K18	260	71	20	74	3.7	231	60	96
NOV 19...	570	500	130	35	9.4	64	4.1	77	55	90
DEC 17...	—	820	51	15	3.2	13	2.6	49	14	14
JAN 08...	K85	K48	90	27	5.5	28	4.0	69	26	40
FEB 26...	K16	K10	58	18	3.2	15	2.4	43	16	19
MAR 11...	K34	K34	120	35	6.9	33	3.3	87	36	49
APR 09...	180	380	96	29	5.7	23	4.9	85	22	35
MAY 22...	<5	K95	120	34	8.4	32	2.6	79	40	47
JUN 04...	110	54	110	32	7.1	48	3.0	64	51	68
JUL 09...	—	45	120	33	8.8	53	3.2	71	58	79
AUG 19...	—	170	250	68	20	110	4.2	161	100	160
SEP 03...	K4	—	270	72	22	94	4.5	207	89	150

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07350517 RED RIVER AT CAMPTI, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 08...	479	71	0.01	0.01	1.2	1.2	0.15	0.09	7.0
NOV 19...	318	181	0.03	0.25	0.86	1.1	0.23	0.08	10
DEC 17...	112	248	0.02	0.18	0.87	1.0	0.25	0.08	12
JAN 08...	181	104	0.02	0.18	0.78	0.96	0.16	0.09	10
FEB 26...	114	140	0.02	0.23	0.77	1.0	0.18	0.09	9.8
MAR 11...	218	76	0.01	0.01	0.87	0.88	0.15	0.05	12
APR 09...	188	1000	0.08	0.33	1.9	2.2	0.82	0.18	23
MAY 22...	220	374	0.03	0.35	1.3	1.7	0.18	0.11	9.6
JUN 04...	267	239	0.02	0.18	0.55	0.73	0.14	0.08	12
JUL 09...	291	193	<0.01	0.20	0.56	0.76	0.09	0.07	13
AUG 19...	592	58	0.01	0.01	0.96	0.97	0.16	0.08	10
SEP 03...	660	29	<0.01	<0.02	<0.20	—	0.17	0.05	9.7

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 08...	2	<10	<1	<10	5	2100	6	270	<0.1	7	<1
JAN 08...	1	<10	<1	<10	14	2600	<5	80	<0.1	10	<1
APR 09...	6	<10	<1	20	21	18000	24	980	<0.1	15	<1
JUL 09...	2	<10	<1	<10	10	3300	<5	210	<0.1	8	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 08...	20	<0.01	7	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
JAN 08...	40	<0.01	5	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
APR 09...	70	<0.01	1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.004	<0.001
JUL 09...	30	<0.01	2	2	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001

< Actual value is known to be less than the value shown.

07350517 RED RIVER AT CAMPTI, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 08...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01
JAN 08...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 09...	0.02	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JUL 09...	0.01	0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 08...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
JAN 08...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
APR 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.07	<0.01	<0.01	<0.01
JUL 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.04	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°18'00", long 93°49'40", in SW 1/4 sec.8, T.15 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, on downstream side of bridge on U.S. Highway 171, immediately downstream from Texas and Pacific Railroad bridge, 2.0 mi south of Keithville, and 6.0 mi upstream from mouth of Boggy Bayou.

DRAINAGE AREA.--66 mi².

PERIOD OF RECORD.--Sept. 26, 1938 to September 1957. October 1957 to September 1982 (annual maximum). Oct. 4, 1982, to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 162.13 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Estimated daily discharges: Nov. 14-17, Apr. 14-18, 24-29, May 11-16, June 23, 24, and July 12-28. Records fair above 50 ft³/s and poor below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--22 years (1939-56, 1983-86), 73.0 ft³/s, 15.02 in/yr, 52,890 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,700 ft³/s Aug. 3, 1955, gage height, 13.62 ft; no flow at times each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of July 1933 reached a stage of 18.0 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 9	2100	9650	11.66	June 27	1530	*11100	*11.85

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	204	415	4.7	14	4.5	3.7	14	83	53	.53	.00
2	.00	42	613	3.5	14	4.6	3.7	28	32	27	.20	.00
3	.00	30	113	3.2	35	5.7	3.8	26	55	20	.00	2.8
4	.00	23	62	3.0	710	6.0	3.6	12	162	14	.00	1.8
5	.00	23	37	2.8	775	5.3	3.3	8.7	144	11	.00	.69
6	.00	22	27	2.8	387	4.9	3.2	9.0	326	9.1	.00	.43
7	.00	19	30	2.7	302	4.8	3.5	9.9	132	6.7	.00	.18
8	.00	16	36	2.7	90	4.0	3.4	11	119	5.3	.00	.36
9	.00	14	31	3.0	51	3.4	2.6	12	3310	3.9	.00	.35
10	.00	10	31	3.3	44	3.2	2.3	15	2660	3.5	.00	.27
11	.00	7.0	297	3.9	42	3.5	2.1	13	543	3.4	.00	.18
12	.00	4.1	1270	3.9	24	4.4	2.7	11	212	3.2	20	.11
13	.00	.56	538	3.9	13	4.9	3.1	9.0	62	3.0	.31	.00
14	.00	.46	201	4.1	9.5	4.3	2.5	8.0	30	2.9	.00	.00
15	.00	.40	81	4.2	8.5	3.8	2.3	7.0	13	2.8	.00	.00
16	.16	.45	55	4.0	7.7	3.8	2.1	6.0	7.1	2.7	.00	.00
17	.40	.70	38	57	7.6	4.0	2.0	43	10	2.6	.00	.00
18	.19	.98	27	53	7.3	4.4	1.9	85	19	2.5	.00	.00
19	.16	2.6	19	25	5.9	6.2	2.1	39	17	2.4	.00	.00
20	.09	4.4	13	15	7.3	6.6	304	15	13	2.3	.00	.00
21	.04	7.4	7.6	13	7.0	5.2	101	10	12	2.2	.00	2.1
22	3.3	18	5.6	13	6.1	4.8	9.2	10	11	2.1	.00	3.5
23	57	40	5.7	13	5.4	4.9	4.2	10	10	2.0	.00	1.8
24	8.5	147	6.4	13	5.7	4.9	4.0	9.5	9.0	1.9	.00	1.5
25	7.0	699	5.8	14	6.3	4.6	3.5	13	11	1.8	1.6	1.4
26	11	359	5.3	19	6.6	4.4	3.0	32	37	1.7	.00	1.1
27	12	128	6.1	16	6.7	4.4	2.5	33	3820	1.6	.00	.68
28	23	155	5.5	14	4.0	4.4	2.0	112	960	1.5	.00	.42
29	73	78	5.2	13	---	4.0	7.0	42	149	1.4	.04	.23
30	555	57	4.7	14	---	3.8	13	21	104	1.1	.02	.00
31	939	---	4.7	14	---	4.0	---	60	---	.88	.00	---
TOTAL	1689.84	2113.05	3996.6	361.7	2602.6	141.7	507.3	734.1	13072.1	199.48	22.70	19.90
MEAN	54.5	70.4	129	11.7	93.0	4.57	16.9	23.7	436	6.43	.73	.66
MAX	939	699	1270	57	775	6.6	304	112	3820	53	20	3.5
MIN	.00	.40	4.7	2.7	4.0	3.2	1.9	6.0	7.1	.88	.00	.00
CFSM	.83	1.07	1.95	.18	1.41	.07	.26	.36	6.61	.10	.01	.01
IN.	.95	1.19	2.25	.20	1.47	.08	.29	.41	7.37	.11	.01	.01
AC-FT	3350	4190	7930	717	5160	281	1010	1460	25930	396	45	39
CAL YR 1985	TOTAL	20406.95	MEAN	55.9	MAX	1880	MIN	.00	CFSM	.85	IN.	11.50
WTR YR 1986	TOTAL	25461.07	MEAN	69.8	MAX	3820	MIN	.00	CFSM	1.06	IN.	14.35
											AC-FT	40480
											AC-FT	50500

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.55	5.86	7.36	4.14	3.73	4.09	4.67	4.59	5.42	4.10	3.70	3.64
2	1.54	3.38	8.74	4.13	3.78	4.13	4.69	4.98	4.28	3.60	3.69	3.67
3	1.53	3.08	4.79	4.13	3.87	4.22	4.70	4.93	4.22	3.49	3.67	3.90
4	1.52	2.95	3.83	4.14	8.16	4.27	4.70	4.53	5.63	3.43	3.65	3.85
5	1.50	3.14	3.27	4.14	9.19	4.28	4.70	4.41	5.36	3.44	3.62	3.78
6	1.49	3.27	3.04	4.16	7.90	4.30	4.71	4.42	7.46	3.49	3.60	3.76
7	1.47	3.39	3.24	4.17	7.09	4.34	4.73	4.46	5.08	3.51	3.58	3.74
8	1.46	3.49	3.60	4.19	4.80	4.35	4.74	4.48	4.77	3.56	3.55	3.76
9	1.45	3.59	3.70	4.22	4.37	4.35	4.72	4.53	9.76	3.60	3.52	3.75
10	1.44	3.65	3.63	4.25	4.58	4.39	4.70	4.60	10.42	3.63	3.49	3.75
11	1.44	3.70	6.41	4.30	4.78	4.43	4.69	4.60	8.64	3.65	3.53	3.74
12	1.42	3.76	9.98	4.32	4.33	4.48	4.78	4.60	6.27	3.69	4.46	3.74
13	1.41	3.82	8.72	4.33	4.00	4.51	4.90	4.60	4.16	3.73	3.62	3.73
14	1.50	3.86	6.10	4.36	3.90	4.50	4.80	4.59	3.65	3.74	3.37	3.71
15	1.80	3.90	4.46	4.38	3.86	4.49	4.72	4.56	3.41	3.74	3.38	3.69
16	2.48	3.93	4.06	4.39	3.83	4.50	4.72	4.54	3.43	3.74	3.40	3.67
17	2.79	3.95	3.84	5.54	3.85	4.52	4.77	4.64	3.66	3.74	3.40	3.65
18	2.85	4.01	3.72	5.24	3.86	4.55	4.79	5.34	3.97	3.72	3.43	3.63
19	2.94	4.09	3.67	3.63	3.81	4.63	4.87	4.45	3.95	3.72	3.43	3.61
20	3.02	4.14	3.64	2.97	3.89	4.67	7.25	3.92	3.85	3.72	3.43	3.60
21	3.07	4.01	3.61	2.82	3.91	4.62	5.39	3.82	3.87	3.74	3.42	3.78
22	3.24	3.89	3.64	2.88	3.92	4.61	4.42	3.99	3.87	3.76	3.41	3.96
23	4.45	4.03	3.71	2.98	3.93	4.63	4.22	4.10	3.91	3.77	3.40	3.87
24	2.87	5.33	3.79	3.10	3.98	4.64	4.22	4.17	3.95	3.80	3.44	3.85
25	2.79	9.20	3.82	3.24	4.05	4.64	4.31	4.24	3.97	3.79	3.81	3.85
26	2.91	7.46	3.81	3.50	4.10	4.64	4.36	4.59	3.97	3.81	3.58	3.83
27	2.98	5.10	3.88	3.54	4.14	4.65	4.39	4.44	9.45	3.77	3.54	3.80
28	3.29	5.52	3.92	3.55	4.04	4.66	4.48	5.97	9.56	3.74	3.56	3.78
29	4.48	4.16	3.97	3.54	---	4.66	4.54	4.52	5.62	3.73	3.69	3.77
30	8.44	3.72	4.01	3.60	---	4.66	4.55	3.98	5.06	3.72	3.70	3.75
31	9.63	---	4.08	3.66	---	4.68	---	4.85	---	3.71	3.66	---
MAX	9.63	9.20	9.98	5.54	9.19	4.68	7.25	5.97	10.42	4.10	4.46	3.96
MIN	1.41	2.95	3.04	2.82	3.73	4.09	4.22	3.82	3.41	3.43	3.37	3.60

RED RIVER BASIN

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN, LA

LOCATION.--Lat 31°57'35", long 93°27'05", in NE 1/4 NW 1/4 sec.12, T.11 N., R.11 W., DeSoto Parish, Hydrologic Unit 11140206, near center span on downstream side of bridge on State Highway 177, 0.1 mi upstream from Dolet Bayou, and 0.6 mi northeast of Rambin.

DRAINAGE AREA.--32.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1979 to January 1986 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 117.23 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Estimated daily discharges: Oct. 22 to Dec. 9. Records fair, except those for the period of estimated record, which are poor. Prior to Aug. 28, 1985, lowest recordable stage 1.62 ft. Below lowest recordable stage: 1.58 ft Oct. 1-14, 16-18. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--6 years, 25.6 ft³/s, 10.76 in/yr, 18,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 484 ft³/s May 22, 1983, gage height, 11.63 ft; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period October 1985 to January 1986; peak discharge greater than base of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 13	1600	*157	*6.73	No other peak greater than base discharge.			

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	40	17	6.9								
2	.00	35	30	6.5								
3	.00	30	27	6.2								
4	.00	25	24	5.9								
5	.00	21	21	5.3								
6	.00	18	19	5.0								
7	.00	15	17	5.3								
8	.00	13	15	5.4								
9	.00	11	14	5.1								
10	.00	10	12	5.8								
11	.00	9.2	45	5.7								
12	.00	8.6	117	4.9								
13	.00	8.0	154	5.0								
14	.00	7.6	151	4.7								
15	.02	7.2	135	4.4								
16	.00	7.0	115	4.3								
17	.00	7.6	94	4.3								
18	.00	7.2	76	4.4								
19	.83	7.0	60	4.3								
20	4.6	6.8	42	4.3								
21	2.4	6.6	24	4.5								
22	1.5	6.4	16	4.3								
23	2.5	6.6	13	3.8								
24	1.6	25	12	3.3								
25	1.2	24	10	3.4								
26	1.0	22	8.9	3.6								
27	.90	21	8.7	3.3								
28	1.5	23	8.3	3.1								
29	10	20	7.8	3.1								
30	50	18	7.5	3.0								
31	45	---	7.3	3.0								
TOTAL	123.05	466.8	1308.5	142.1								
MEAN	3.97	15.6	42.2	4.58								
MAX	.50	40	154	6.9								
MIN	.00	6.4	7.3	3.0								
CFSM	.12	.48	1.31	.14								
IN.	.14	.54	1.51	.16								
AC-FT	244	926	2600	282								

CAL YR 1985 TOTAL 7642.83 MEAN 20.9 MAX 261 MIN .00 CFSM .65 IN. 8.80 AC-FT 15160

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	---	2.95								
2		---	---	2.92								
3		---	---	2.90								
4		---	---	2.88								
5		---	---	2.83								
6		---	---	2.81								
7		---	---	2.83								
8		---	---	2.84								
9		---	---	2.82								
10		---	3.28	2.87								
11		---	4.34	2.86								
12		---	6.02	2.81								
13		---	6.68	2.81								
14		---	6.64	2.79								
15	1.62	---	6.36	2.76								
16		---	6.00	2.75								
17		---	5.60	2.75								
18		---	5.22	2.76								
19	1.79	---	4.85	2.75								
20	2.55	---	4.38	2.75								
21	2.34	---	3.81	2.77								
22	---	---	3.50	2.75								
23	---	---	3.36	2.71								
24	---	---	3.27	2.66								
25	---	---	3.16	2.67								
26	---	---	3.10	2.69								
27	---	---	3.08	2.66								
28	---	---	3.05	2.64								
29	---	---	3.02	2.64								
30	---	---	3.00	2.63								
31	---	---	2.98	2.62								
MAX	---	---	6.68	2.95								
MIN	---	---	2.98	2.62								

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to January 1986 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
JAN 09...	1440	5.1	150	6.70	5.0	50	20	10.2	1.7	K52

DATE	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)
JAN 09...	78	29	5.7	3.7	16	1.8	8	16

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
JAN 09...	30	<0.1	16	104	94	0.01	0.53	0.10

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JAN 09...	5	0.07	100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351750 BAYOU PIERRE NEAR LAKE END, LA

LOCATION.--Lat 31°53'40", long 93°20'30", in E 1/2 sec.36, T.11 N., R.10 W., Natchitoches Parish, Hydrologic Unit 11140206, near right bank on downstream side of bridge on State Highway 174, 1/2 mi downstream from Jims River, and 2.9 mi southwest of Lake End.

DRAINAGE AREA.--860 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to current year. November 30, 1959 to September 1980, annual maximum and miscellaneous measurements only.

GAGE.--Water stage recorder. Datum of gage is 90.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to September 1980, nonrecording gage at same site. Water stage recorder for Bayou Pierre near Powhatan (station 07351750) used as auxiliary gage for this station at datum 83.61 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 23, Apr. 9-11, (indefinite stage-discharge relation) July 14-28 (no gage-height record). Records fair. Backwater from Red River. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--6 years, 781 ft³/s, 473,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,180 ft³/s Mar. 8, 1984 gage height 23.07 ft; minimum daily discharge 12 ft³/s June 10, 11, 15, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,980 ft³/s June 30, gage height 21.77 ft; minimum daily discharge, 33 ft³/s Oct. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	4020	1580	204	114	180	154	255	506	6790	110	87
2	66	4190	1900	187	111	171	155	420	883	6270	107	87
3	85	3650	2050	170	109	168	153	693	1020	5470	101	87
4	87	2800	1920	158	1490	161	150	711	996	4480	97	85
5	71	1980	1720	160	1670	155	150	616	1060	3580	96	110
6	57	1470	1520	155	1910	155	149	504	1260	2850	93	116
7	48	1100	1280	138	2280	149	149	410	1610	2200	91	121
8	42	844	1010	126	2500	137	196	331	1750	1770	91	158
9	40	663	822	121	2400	136	400	264	2320	1560	94	157
10	38	534	684	121	2110	144	380	240	3010	1400	92	140
11	36	433	1080	123	1780	157	370	264	4100	1260	99	123
12	33	347	2430	124	1520	271	348	257	5280	1120	111	108
13	33	278	3720	120	1320	492	316	225	5540	988	105	96
14	37	226	4080	114	1140	480	308	205	5050	850	103	91
15	40	185	4060	110	959	399	292	196	4350	722	103	90
16	42	153	3680	106	796	330	239	196	3840	612	101	88
17	141	131	3190	102	656	283	217	206	3430	524	98	88
18	209	119	2460	101	552	268	208	300	2870	454	98	89
19	214	110	1780	108	465	304	187	375	2330	386	97	88
20	461	102	1380	132	385	265	807	431	1930	332	98	88
21	451	113	1070	159	322	230	1690	359	1710	308	98	105
22	350	193	863	168	279	203	1970	212	1590	281	98	133
23	289	225	715	163	260	189	1910	169	1490	245	96	98
24	338	298	601	151	250	179	1590	178	1410	210	89	88
25	403	1020	502	146	240	174	1180	285	1310	180	87	90
26	370	1450	424	146	230	172	797	539	1130	150	86	88
27	294	1670	363	149	215	165	547	537	1080	135	86	88
28	331	1760	311	147	198	159	419	464	2370	120	86	88
29	520	1710	273	135	---	155	364	392	5570	113	86	88
30	1630	1540	261	124	---	155	315	383	6890	110	86	88
31	3110	---	228	118	---	156	---	411	---	111	86	---
TOTAL	9938	33314	47957	4286	26261	6742	16110	11028	77685	45581	2969	3051
MEAN	321	1110	1547	138	938	217	537	356	2590	1470	95.8	102
MAX	3110	4190	4080	204	2500	492	1970	711	6890	6790	111	158
MIN	33	102	228	101	109	136	149	169	506	110	86	85
AC-FT	19710	66080	95120	8500	52090	13370	31950	21870	154100	90410	5890	6050
CAL YR 1985	TOTAL	260860	MEAN	715	MAX	6940	MIN	33	AC-FT	517400		
WTR YR 1986	TOTAL	284922	MEAN	781	MAX	6890	MIN	33	AC-FT	565100		

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.32	16.51	10.37	2.44	1.65	2.14	2.03	6.20	5.25	21.53	1.45	1.21
2	1.25	16.82	11.71	2.29	1.62	2.07	2.04	6.72	6.94	20.70	1.42	1.21
3	1.47	15.78	12.19	2.15	1.60	2.04	2.03	7.50	7.69	19.22	1.36	1.21
4	1.48	14.00	11.79	2.05	9.88	1.98	2.01	7.44	7.54	17.33	1.31	1.19
5	1.30	11.91	11.04	2.06	10.81	1.93	2.02	6.87	7.88	15.64	1.29	1.44
6	1.13	9.85	10.08	2.02	11.77	1.93	2.01	5.96	8.97	14.12	1.27	1.51
7	1.01	8.08	9.00	1.87	12.77	1.88	2.02	4.89	10.53	12.57	1.25	1.55
8	.94	6.72	8.10	1.76	13.31	1.77	2.39	4.08	11.18	11.25	1.25	1.88
9	.90	5.68	7.36	1.71	13.08	1.77	4.88	3.59	13.16	10.28	1.28	1.88
10	.88	4.86	6.65	1.71	12.34	1.83	4.77	3.35	15.38	9.52	1.26	1.73
11	.84	4.18	8.22	1.73	11.50	1.95	3.95	3.26	17.92	8.84	1.33	1.57
12	.79	3.59	13.09	1.74	10.58	2.88	3.58	2.95	19.75	8.18	1.46	1.43
13	.78	3.10	16.09	1.70	9.67	4.57	3.36	2.70	19.96	7.49	1.40	1.30
14	.85	2.71	17.73	1.64	8.76	4.48	3.30	2.55	19.21	6.76	1.38	1.25
15	.90	2.39	17.93	1.61	7.96	3.89	3.19	2.48	17.94	6.04	1.38	1.24
16	.94	2.12	16.87	1.57	7.19	3.37	2.80	2.47	16.57	5.37	1.36	1.22
17	1.99	1.93	15.17	1.53	6.61	3.01	2.62	2.55	15.37	4.80	1.33	1.22
18	2.58	1.81	13.20	1.52	6.11	2.90	2.57	3.26	14.16	4.28	1.32	1.23
19	2.60	1.73	11.23	1.59	5.52	3.18	2.39	3.78	12.90	3.76	1.31	1.22
20	4.37	1.65	9.66	1.82	4.97	2.88	6.48	4.17	11.82	3.34	1.32	1.22
21	4.30	1.75	8.54	2.06	4.56	2.60	10.87	4.04	11.00	3.15	1.33	1.38
22	3.61	2.45	7.61	2.13	4.18	2.39	11.95	4.66	10.42	2.93	1.32	1.66
23	3.18	3.28	6.80	2.09	3.77	2.27	11.76	5.66	9.96	2.64	1.30	1.33
24	3.53	4.81	6.08	1.99	3.38	2.20	10.41	5.91	9.59	---	1.23	1.22
25	3.98	7.65	5.38	1.94	3.07	2.15	8.99	5.78	9.11	---	1.21	1.24
26	3.75	9.76	4.72	1.94	2.73	2.14	7.96	6.12	8.23	---	1.20	1.22
27	3.22	10.78	4.09	1.97	2.50	2.09	7.34	5.61	7.98	---	1.20	1.22
28	3.48	11.20	3.59	1.96	2.30	2.04	7.04	5.10	12.73	---	1.20	1.22
29	4.75	10.96	3.20	1.84	---	2.02	6.79	4.88	19.41	1.49	1.20	1.22
30	10.27	10.17	2.90	1.74	---	2.02	6.52	5.01	21.62	1.45	1.20	1.22
31	14.67	---	2.63	1.68	---	2.04	---	4.92	---	1.46	1.20	---
MAX	14.67	16.82	17.93	2.44	13.31	4.57	11.95	7.50	21.62	21.53	1.46	1.88
MIN	.78	1.65	2.63	1.52	1.60	1.77	2.01	2.47	5.25	1.45	1.20	1.19

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: October 1982 to September 1986 (discontinued).

SUSPENDED-SEDIMENT DISCHARGE: October 1982 to September 1986 (discontinued).

REMARKS.--Daily-sediment records for the 1986 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 813 mg/L Nov. 24, 1982; minimum daily mean, 5 mg/L Nov. 13, 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 8060 tons Dec. 17, 1982; minimum daily, .58 tons Nov. 13, 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 09...	0930	656	7.80	21.5	0	20	8.3	20	1.4	K34	340	240
JAN 09...	1545	503	7.80	5.5	30	35	10.0	35	0.8	>1200	K28	190
DATE	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	
OCT 09...	55	24	37	3.3	222	48	42	0.3	9.5	362	350	
JAN 09...	43	19	31	3.3	160	34	34	0.2	13	271	270	
DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS Cd)	CADMIUM FM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS Cr)	
OCT 09...	39	0.07	0.66	0.12	4.7	1	—	<1	—	—	<1	
JAN 09...	66	0.22	0.66	0.21	9.5	—	6	—	<1	70	—	
DATE	COPPER, DISSOLVED (UG/L AS Cu)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DISSOLVED (UG/L AS Fe)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DISSOLVED (UG/L AS Pb)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DISSOLVED (UG/L AS Mn)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/L AS Hg)	ZINC, DISSOLVED (UG/L AS Zn)	
OCT 09...	4	—	<3	—	<5	—	120	—	<0.1	—	12	
JAN 09...	—	10	—	8800	—	20	—	610	—	0.04	—	

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 09...	—	<0.01	3	<0.1	—	<0.1	—	<0.01	—	<0.1	—
JAN 09...	34	—	—	—	<1	—	<1	—	<0.1	—	<1
DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 09...	<0.01	—	<0.01	—	<0.01	—	0.07	—	<0.01	—	<0.01
JAN 09...	—	7.6	—	15	—	3.0	—	<0.2	—	0.1	—
DATE	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 09...	—	<0.01	—	<0.01	—	<0.01	—	<0.01	—	<0.01	—
JAN 09...	<0.1	—	<0.1	—	<0.2	—	<0.1	—	<0.1	—	<0.1
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT 09...	<0.01	—	<0.01	—	<0.01	—	<0.01	—	<0.01	—	<0.01
JAN 09...	—	<0.5	—	<0.1	—	<0.2	—	<1	—	0.1	—
DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 09...	—	<0.1	—	<1	—	<0.01	—	0.06	<0.01	<0.01	<0.01
JAN 09...	<0.2	—	<1	—	<10	—	<0.2	—	—	—	—

< Actual value is known to be less than the value shown.

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDEd (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEd (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 09...	0930	40	68	7.3	74
NOV 19...	0745	110	66	20	76
DEC 17...	1630	3190	36	310	78
JAN 09...	1545	121	44	14	87
APR 09...	1015	400	119	129	67
JUL 08...	0845	1770	63	301	94

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 92°58'35", in SW 1/4 sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi downstream from Sixmile Creek, and 1.0 mi east of Lucky.

DRAINAGE AREA.--154 mi².

PERIOD OF RECORD.--June 1940 to current year.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 152.65 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949 to Apr. 26, 1971, water-stage recorder, at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years, 162 ft³/s, 14.28 in/yr, 117,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft³/s Jan. 1, 1945, gage height, 12.90 ft, from rating curve extended above 6,400 ft³/s on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft³/s Aug. 14, 1954; minimum gage height, 1.66 ft Aug. 7, 8, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0700	1160	7.11	June 10	1600	1210	7.16
Apr. 22	0700	*1480	*7.39				

Minimum discharge, 3.9 ft³/s Aug. 7; minimum gage height, 2.41 ft Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	584	323	79	47	47	63	100	181	308	8.6	6.5
2	29	756	288	75	46	45	61	102	168	163	8.5	7.0
3	15	693	296	71	46	44	59	97	229	93	8.3	11
4	11	455	318	68	520	42	53	87	263	59	8.2	11
5	8.5	242	266	63	874	41	50	72	294	40	7.8	11
6	7.4	159	198	61	902	40	47	56	222	29	6.5	14
7	6.9	110	157	63	1090	39	45	45	233	21	4.1	19
8	6.6	83	135	62	800	38	43	39	366	16	4.5	17
9	6.8	69	119	60	537	37	41	38	581	14	5.2	11
10	6.9	59	105	61	324	36	38	38	1100	12	5.9	7.6
11	6.9	52	198	60	244	37	36	39	1180	18	6.5	6.4
12	7.1	49	500	57	233	204	129	35	919	15	6.5	5.4
13	8.7	48	636	55	222	535	259	30	612	12	6.3	4.9
14	21	49	727	53	190	540	244	25	347	10	6.3	4.4
15	85	50	806	51	165	621	158	21	176	9.8	6.0	4.2
16	82	57	673	51	153	614	83	20	133	11	5.8	4.6
17	71	54	454	51	140	437	60	37	252	12	5.5	5.2
18	77	55	282	53	127	343	49	193	318	13	5.5	5.3
19	99	58	214	53	116	537	48	257	269	12	5.4	6.1
20	199	54	179	53	105	531	332	217	170	13	5.4	10
21	209	46	158	53	94	518	852	108	101	13	5.2	23
22	179	44	141	51	83	479	1330	63	66	14	5.2	20
23	139	45	129	47	73	287	857	45	50	13	5.3	14
24	97	114	120	45	64	186	519	36	42	13	6.2	10
25	83	301	110	55	58	145	225	44	35	12	6.3	9.2
26	63	426	100	67	54	124	116	152	28	11	6.3	8.4
27	46	469	97	70	52	108	82	223	55	11	6.2	7.9
28	106	483	94	73	50	95	96	323	114	10	7.1	7.5
29	253	383	90	64	---	85	134	316	296	9.3	6.9	7.7
30	508	330	88	54	---	76	143	364	498	8.9	6.8	8.3
31	651	---	85	48	---	67	---	300	---	8.5	6.8	---
TOTAL	3142.8	6377	8086	1827	7409	6978	6252	3522	9298	1004.5	195.1	287.6
MEAN	101	213	261	58.9	265	225	208	114	310	32.4	6.29	9.59
MAX	651	756	806	79	1090	621	1330	364	1180	308	8.6	23
MIN	6.6	44	85	45	46	36	36	20	28	8.5	4.1	4.2
CFSM	.66	1.38	1.69	.38	1.72	1.46	1.35	.74	2.01	.21	.04	.06
IN.	.76	1.54	1.95	.44	1.79	1.69	1.51	.85	2.25	.24	.05	.07
AC-FT	6230	12650	16040	3620	14700	13840	12400	6990	18440	1990	387	570
CAL YR 1985	TOTAL	51973.8	MEAN	142	MAX	1880	MIN	5.8	CFSM	.92	IN.	12.55
WTR YR 1986	TOTAL	54379.0	MEAN	149	MAX	1330	MIN	4.1	CFSM	.97	IN.	13.14
											AC-FT	103100
											AC-FT	107900

07352000 SALINE BAYOU NEAR LUCKY, LA---Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.59	6.36	5.78	4.23	3.78	3.89	3.99	4.54	5.14	5.81	3.30	3.40
2	3.07	6.64	5.68	4.18	3.77	3.85	3.95	4.58	5.07	5.16	3.30	3.41
3	2.71	6.54	5.70	4.13	3.76	3.80	3.90	4.53	5.40	4.48	3.31	3.58
4	2.57	6.10	5.77	4.08	6.06	3.77	3.80	4.39	5.57	4.00	3.31	3.58
5	2.49	5.47	5.59	4.02	6.80	3.73	3.73	4.16	5.69	3.67	3.31	3.55
6	2.45	4.97	5.24	3.97	6.83	3.71	3.68	3.86	5.37	3.44	3.25	3.65
7	2.43	4.56	4.97	4.01	7.04	3.67	3.63	3.63	5.42	3.26	3.13	3.79
8	2.42	4.28	4.78	3.99	6.70	3.62	3.59	3.48	5.89	3.14	3.16	3.72
9	2.43	4.09	4.64	3.96	6.27	3.61	3.54	3.46	6.35	3.09	3.21	3.49
10	2.45	3.95	4.52	3.98	5.78	3.59	3.46	3.47	7.04	3.05	3.25	3.35
11	2.44	3.83	5.12	3.96	5.49	3.61	3.43	3.49	7.13	3.27	3.30	3.28
12	2.46	3.79	6.19	3.92	5.44	5.11	4.59	3.39	6.85	3.22	3.31	3.22
13	2.54	3.77	6.45	3.88	5.38	6.27	5.56	3.27	6.41	3.12	3.30	3.17
14	2.99	3.78	6.60	3.85	5.21	6.29	5.47	3.15	5.83	3.09	3.30	3.14
15	4.30	3.80	6.71	3.83	5.06	6.43	4.96	3.04	5.11	3.08	3.30	3.12
16	4.25	3.92	6.51	3.81	4.98	6.42	4.31	3.00	4.81	3.13	3.30	3.13
17	4.12	3.87	6.10	3.82	4.88	6.06	3.92	3.40	5.52	3.22	3.28	3.15
18	4.19	3.88	5.65	3.85	4.78	5.84	3.71	5.19	5.76	3.26	3.29	3.15
19	4.41	3.93	5.33	3.86	4.69	6.28	3.68	5.54	5.58	3.26	3.29	3.17
20	5.25	3.86	5.12	3.85	4.59	6.27	5.72	5.33	5.00	3.29	3.30	3.34
21	5.31	3.74	4.97	3.85	4.49	6.24	6.76	4.59	4.35	3.33	3.29	3.74
22	5.12	3.67	4.84	3.82	4.39	6.16	7.26	3.99	3.91	3.40	3.30	3.66
23	4.82	3.71	4.74	3.76	4.27	5.64	6.77	3.63	3.65	3.38	3.31	3.45
24	4.43	4.51	4.66	3.70	4.17	5.16	6.23	3.43	3.53	3.37	3.37	3.32
25	4.28	5.68	4.56	3.88	4.08	4.88	5.36	3.58	3.41	3.34	3.39	3.26
26	4.00	6.05	4.47	4.08	4.03	4.71	4.68	4.95	3.27	3.33	3.39	3.21
27	3.72	6.14	4.43	4.13	3.99	4.56	4.32	5.37	3.81	3.33	3.39	3.18
28	4.48	6.17	4.40	4.17	3.94	4.43	4.51	5.77	4.67	3.31	3.44	3.15
29	5.49	5.94	4.36	4.04	---	4.31	4.83	5.76	5.59	3.29	3.44	3.15
30	6.21	5.80	4.34	3.89	---	4.21	4.90	5.90	6.20	3.29	3.44	3.16
31	6.48	---	4.30	3.81	---	4.08	---	5.69	---	3.28	3.42	---
MAX	6.48	6.64	6.71	4.23	7.04	6.43	7.26	5.90	7.13	5.81	3.44	3.79
MIN	2.42	3.67	4.30	3.70	3.76	3.59	3.43	3.00	3.27	3.05	3.13	3.12

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW 1/4 SW 1/4 sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11140209, near right bank on downstream side of bridge on State Highway 155, 0.5 mi upstream from Carroll Creek, and 3.3 mi north of Coushatta.

DRAINAGE AREA.--93.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1956 to September 1977. June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 31 to Dec. 17. Records fair between 100 and 200 cfs, poor below and good above.

AVERAGE DISCHARGE.--28 years (water years 1957-77, 1980-86), 88.1 ft³/s, 12.74 in/yr, 63,830 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,920 ft³/s Sept. 21, 1958, gage height, 11.47 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 14	Unknown	990	8.30	Apr. 22	0530	747	7.96
Feb. 4	1200	824	8.09	June 9	2230	899	8.19
Mar. 14	1030	868	8.15	June 30	1600	*1390	*8.67

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	350	180	13	3.8	3.5	5.5	16	20	969	.04	.01
2	.02	400	150	11	4.7	3.0	4.3	362	59	647	.03	.01
3	.02	250	170	9.5	5.2	2.5	3.8	441	63	216	.02	.01
4	.01	170	200	8.1	5.71	2.3	3.9	131	29	27	.02	.00
5	.01	100	130	6.1	6.21	1.9	4.2	34	29	12	.02	.00
6	.01	80	80	5.0	6.85	1.8	4.4	19	55	6.7	.02	.01
7	.00	60	50	4.6	5.64	1.8	4.0	12	238	4.3	.01	.01
8	.00	50	30	4.8	3.90	2.0	3.7	8.4	349	2.7	.00	.01
9	.00	45	20	5.0	1.40	2.3	3.6	6.2	689	1.9	.00	.02
10	.00	40	70	5.6	61	2.3	3.5	5.4	805	1.4	.00	.02
11	.00	35	150	6.9	78	2.6	3.4	5.1	636	1.0	.04	.02
12	.00	30	300	7.7	107	28.3	8.1	4.8	493	.78	3.7	.02
13	.00	25	450	8.3	78	6.33	23	4.2	321	.62	3.1	.02
14	.12	20	500	7.6	49	8.44	18	3.6	82	.46	.56	.00
15	.38	15	300	6.3	37	6.78	13	3.2	35	.34	.14	.00
16	.55	25	200	5.1	32	3.15	7.5	3.1	22	.22	.08	.00
17	.41	20	120	4.3	27	7.4	4.9	3.7	16	.17	.04	.00
18	.37	20	75	4.4	24	5.1	3.7	3.2	14	.16	.01	.00
19	.56	25	47	4.6	22	8.7	6.0	5.6	66	.13	.01	.00
20	1.5	20	34	5.1	18	7.3	3.32	3.0	69	.10	.00	.00
21	2.6	15	26	5.1	15	4.0	6.09	1.5	32	.07	.00	.00
22	9.1	10	22	6.0	13	2.5	7.29	9.3	19	.06	.00	.00
23	7.0	8.0	19	5.4	11	1.8	5.99	5.8	13	.11	.00	.00
24	1.8	30	17	4.2	9.2	1.5	2.93	4.1	9.6	.13	.00	.00
25	5.5	150	14	5.2	6.1	1.2	4.2	3.2	6.5	.10	.00	.00
26	9.4	300	12	4.4	4.2	1.0	2.0	1.64	5.0	.08	.00	.00
27	2.6	350	11	6.4	6.6	1.0	1.2	3.3	6.5	.07	.00	.00
28	3.3	300	11	11	4.6	9.5	2.6	5.3	14	.07	.00	.00
29	1.8	250	13	12	---	7.5	2.1	5.1	4.54	9.3	.00	.00
30	2.3	200	15	8.0	---	6.4	1.7	5.8	10.80	1.3	.00	.00
31	4.00	---	15	5.0	---	6.6	---	2.5	---	.13	.00	---
TOTAL	756.29	3393.0	3431	205.7	3587.4	3224.0	2828.5	1630.9	5729.6	1903.40	7.84	.16
MEAN	24.4	113	111	6.64	128	104	94.3	52.6	191	61.4	.25	.00
MAX	400	400	500	13	685	844	729	441	1080	969	3.7	.02
MIN	.00	8.0	11	4.2	3.8	1.8	3.4	3.1	5.0	.06	.00	.00
CFSM	.26	1.20	1.18	.07	1.36	1.11	1.00	.56	2.03	.65	.00	.00
IN.	.30	1.34	1.36	.08	1.42	1.28	1.12	.65	2.27	.75	.00	.00
AC-FT	1500	6730	6810	408	7120	6390	5610	3230	11360	3780	16	.3
CAL YR 1985	TOTAL	29788.03	MEAN	81.6	MAX	2590	MIN	.00	CFSM	.87	IN.	11.80
WTR YR 1986	TOTAL	26697.79	MEAN	73.1	MAX	1080	MIN	.00	CFSM	.78	IN.	10.58
											AC-FT	59080
											AC-FT	52960

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.11	---	---	2.14	1.70	1.68	1.67	2.12	2.25	8.26	1.03	.98
2	1.07	---	---	2.06	1.76	1.63	1.59	6.48	3.36	7.75	1.00	.99
3	1.05	---	---	1.99	1.80	1.57	1.55	7.10	3.50	5.34	.98	1.00
4	1.04	---	---	1.93	7.11	1.55	1.56	4.45	2.58	2.68	.98	1.00
5	1.02	---	---	1.84	7.71	1.50	1.58	2.73	2.57	2.11	1.00	1.01
6	1.00	---	---	1.76	7.85	1.49	1.60	2.22	3.29	1.88	1.01	1.03
7	.98	---	---	1.74	7.58	1.50	1.57	1.97	5.68	1.74	.97	1.05
8	.96	---	---	1.76	6.85	1.51	1.54	1.81	6.55	1.59	.96	1.06
9	.94	---	---	1.77	4.77	1.55	1.54	1.71	7.80	1.50	.95	1.09
10	.93	---	---	1.79	3.65	1.55	1.53	1.66	8.05	1.44	.94	1.10
11	.92	---	---	1.86	3.95	1.59	1.52	1.64	7.74	1.37	1.01	1.11
12	.91	---	---	1.91	4.41	5.59	1.78	1.63	7.32	1.30	1.51	1.11
13	.86	---	---	1.93	3.95	7.73	2.36	1.58	6.26	1.26	1.70	1.11
14	1.10	---	---	1.90	3.36	8.12	2.22	1.54	3.62	1.21	1.34	1.09
15	1.23	---	---	1.83	3.01	7.82	1.99	1.50	2.57	1.17	1.19	1.05
16	1.27	---	---	1.77	2.84	6.20	1.77	1.49	2.12	1.13	1.14	1.04
17	1.22	---	---	1.72	2.68	3.71	1.63	1.53	1.90	1.11	1.08	1.05
18	1.20	---	3.90	1.73	2.55	3.23	1.54	2.61	1.82	1.10	1.01	1.05
19	1.25	---	3.28	1.74	2.49	3.97	1.64	3.37	3.31	1.09	.96	1.04
20	1.42	---	2.91	1.77	2.37	3.72	6.25	2.61	3.41	1.06	.93	1.04
21	1.59	---	2.64	1.78	2.23	2.93	7.67	2.07	2.45	1.03	.92	1.06
22	1.98	---	2.48	1.84	2.15	2.44	7.93	1.85	2.01	1.01	.92	1.08
23	1.89	---	2.37	1.80	2.09	2.19	7.66	1.69	1.79	1.07	.92	1.08
24	1.48	---	2.29	1.73	2.00	2.07	5.99	1.57	1.65	1.08	.93	1.07
25	1.70	---	2.19	1.79	1.86	1.95	2.95	2.26	1.50	1.06	.92	1.06
26	2.01	---	2.11	1.74	1.73	1.89	2.27	4.83	1.42	1.04	.91	1.07
27	1.57	---	2.07	1.86	1.88	1.89	1.99	2.66	1.50	1.03	.90	1.06
28	1.60	---	2.08	2.08	1.76	1.86	2.49	3.26	1.82	1.03	.92	1.06
29	2.32	---	2.14	2.10	---	1.77	2.30	3.18	6.36	1.97	.90	1.10
30	5.40	---	2.22	1.95	---	1.72	2.16	3.39	8.34	1.39	.92	1.09
31	---	---	2.23	1.79	---	1.73	---	2.45	---	1.09	.96	---
MAX	---	---	---	2.14	7.85	8.12	7.93	7.10	8.34	8.26	1.70	1.11
MIN	.86	---	---	1.72	1.70	1.49	1.52	1.49	1.42	1.01	.90	.98

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1966-67, 1979 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: March 1981 to December 1982.

SUSPENDED-SEDIMENT DISCHARGE: March 1981 to December 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
DEC 17...	1245	77	6.00	6.5	60	5.0	9.4	1.4	—
JAN 08...	1010	148	6.80	5.0	50	6.0	9.2	1.7	25
APR 09...	1100	166	6.70	18.0	120	3.0	1.9	2.5	51
JUL 09...	0900	102	6.50	26.0	120	14	3.1	2.4	—

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
DEC 17...	170	14	3.1	1.4	8.4	2.3	6	12
JAN 08...	150	23	5.1	2.4	17	2.8	14	11
APR 09...	160	35	8.3	3.5	17	2.7	31	11
JUL 09...	420	26	6.3	2.4	9.9	2.0	23	11

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
DEC 17...	11	<0.1	10	62	52	0.10	0.60	0.05
JAN 08...	28	<0.1	11	103	86	0.02	0.53	0.06
APR 09...	22	<0.1	8.2	116	91	0.04	1.4	0.11
JUL 09...	12	<0.1	12	83	69	0.20	1.0	0.10

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS Pb)
DEC 17...	<1	43	<1	<1	50	<1	2	6	430	7000	<5

< Actual value is known to be less than the value shown.

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
DEC 17...	40	86	3400	<0.1	0.07	14	30	12	<0.01	3	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 17...	<1	<0.1	<1	<0.001	<0.1	<0.1	1	<0.001	<0.1	<0.001	0.8
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
DEC 17...	<0.001	0.5	<0.01	<0.2	<0.001	0.1	<0.001	<0.1	<0.001	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
DEC 17...	<0.01	<0.2	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.5	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
DEC 17...	<0.01	<0.1	<0.01	<0.2	<0.01	<1	<0.01	1	<0.01	<0.2	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
DEC 17...	<0.1	<1	<1	<10	<0.01	<0.2	<0.01	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW 1/4 SE 1/4 sec.3, T.10 N., R.6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on parish road, 1.8 mi northeast of Chivery Dam, 2.8 mi upstream from Allen Dam, and 5.0 mi northeast of Clarence.

DRAINAGE AREA.--908 mi² (see REMARKS).

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 88.49 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, at datum 6.00 ft higher.

REMARKS.--Drainage area does not include 412 mi² of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre acre-ft. Considerable regulation by Chivery Dam. Lakes are used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.25 ft Jan. 1, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.50 ft June 14; minimum, 8.56 ft Oct. 8, 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.68	10.40	11.21	11.61	10.14	11.01	10.99	11.35	11.12	11.85	9.76	9.14
2	8.67	10.54	11.36	11.49	10.13	10.92	10.90	11.38	11.07	11.88	9.71	9.14
3	8.65	10.72	11.44	11.39	10.10	10.86	10.81	11.41	11.02	11.95	9.66	9.13
4	8.64	10.84	11.55	11.29	10.55	10.80	10.75	11.49	11.14	11.96	9.62	9.12
5	8.69	10.96	11.67	11.21	11.06	10.71	10.68	11.54	11.15	11.94	9.58	9.14
6	8.63	11.05	11.74	11.10	11.60	10.65	10.63	11.52	11.25	11.90	9.55	9.15
7	8.62	11.13	11.78	11.07	11.92	10.58	10.57	11.47	11.77	11.84	9.52	9.16
8	8.60	11.20	11.79	10.95	12.12	10.53	10.52	11.37	11.89	11.77	9.50	9.16
9	8.60	11.28	11.78	10.88	12.22	10.47	10.44	11.24	12.05	11.67	9.46	9.16
10	8.60	11.37	11.79	10.82	12.28	10.42	10.38	11.17	12.52	11.54	9.43	9.16
11	8.59	11.42	12.01	10.76	12.29	10.39	10.32	11.10	12.90	11.42	9.43	9.19
12	8.59	11.41	12.24	10.70	12.25	10.41	10.33	11.01	13.18	11.29	9.52	9.28
13	8.58	11.38	12.57	10.64	12.22	10.47	10.35	10.92	13.37	11.17	9.48	9.29
14	8.67	11.31	12.70	10.59	12.22	10.57	10.31	10.81	13.48	11.04	9.44	9.31
15	8.72	11.22	12.80	10.54	12.22	10.68	10.31	10.67	13.50	10.93	9.42	9.31
16	8.81	11.18	12.89	10.49	12.18	10.88	10.27	10.64	13.47	10.82	9.41	9.34
17	8.81	11.06	12.94	10.46	12.14	11.10	10.23	10.55	13.38	10.73	9.39	9.39
18	8.82	10.97	12.93	10.43	12.06	11.25	10.22	10.63	13.32	10.63	9.36	9.39
19	8.89	10.89	12.90	10.40	11.99	11.53	10.21	10.63	13.19	10.55	9.34	9.41
20	9.02	10.84	12.89	10.36	11.88	11.67	10.42	10.60	13.07	10.46	9.31	9.46
21	9.07	10.74	12.85	10.31	11.82	11.72	10.52	10.58	12.93	10.39	9.29	9.48
22	9.10	10.64	12.79	10.32	11.69	11.74	10.67	10.53	12.78	10.33	9.24	9.63
23	9.13	10.57	12.73	10.28	11.58	11.73	10.78	10.50	12.59	10.24	9.23	9.63
24	9.18	10.55	12.63	10.24	11.48	11.69	10.94	10.48	12.39	10.19	9.24	9.63
25	9.22	10.69	12.52	10.30	11.38	11.62	11.13	10.56	12.18	10.12	9.23	9.64
26	9.25	10.71	12.34	10.30	11.27	11.55	11.25	10.82	11.98	10.06	9.21	9.67
27	9.29	10.72	12.24	10.25	11.20	11.46	11.32	10.99	11.82	10.01	9.19	9.68
28	9.46	10.85	12.11	10.18	11.13	11.36	11.45	11.11	11.69	9.96	9.25	9.68
29	9.60	10.90	11.97	10.18	---	11.26	11.45	11.15	11.70	9.90	9.22	9.65
30	9.92	10.98	11.83	10.16	---	11.17	11.42	11.15	11.83	9.85	9.18	9.63
31	10.29	---	11.72	10.14	---	11.08	---	11.16	---	9.80	9.16	---
MAX	10.29	11.42	12.94	11.61	12.29	11.74	11.45	11.54	13.50	11.96	9.76	9.68
MIN	8.58	10.40	11.21	10.14	10.10	10.39	10.21	10.48	11.02	9.80	9.16	9.12

07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE 1/4 NW 1/4 sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi upstream from mouth, and 2.5 mi northwest of Aloha.

DRAINAGE AREA.--80.4 mi².

PERIOD OF RECORD.--February 1969 to September 1979. October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--No gage heights recorded below 2.14 ft. Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft concrete spillway. The crest of the spillway is 3.05 ft gage height. Draw-down structure consists of one 5- by 5-ft metal sluice gate that can be varied from -16.78 to -11.78 ft gage height. Area of lake is 1,580 acres, usable capacity, 11,200 acre-ft at 3.05 ft gage height. Reservoir is used for recreation.

AVERAGE DISCHARGE.--9 years (water years 1970-72, 1974-79), 72.6 ft³/s, 52,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft³/s Dec. 27, 1982, gage height, 9.39 ft; no flow at times most years. Reverse flow possible May 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.30 ft June 30; minimum, 2.47 ft Sept. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.22	4.53	3.55	3.26	3.27	3.20	3.15	3.24	3.25	5.22	2.92	2.59
2	3.18	4.21	3.76	3.25	3.26	3.19	3.15	3.26	3.22	4.66	2.90	2.58
3	3.16	3.98	3.79	3.23	3.25	3.19	3.14	3.24	3.19	4.21	2.87	2.57
4	3.14	3.78	3.74	3.23	3.29	3.20	3.13	3.22	3.26	3.93	2.86	2.56
5	3.13	3.63	3.67	3.22	3.51	3.19	3.13	3.19	3.29	3.76	2.84	2.55
6	3.10	3.54	3.58	3.20	3.82	3.19	3.14	3.18	3.53	3.63	2.86	2.53
7	3.09	3.47	3.50	3.20	3.99	3.18	3.14	3.17	3.64	3.57	2.86	2.53
8	3.07	3.40	3.44	3.22	3.94	3.18	3.14	3.17	3.80	3.53	2.85	2.51
9	3.07	3.35	3.40	3.21	3.83	3.17	3.15	3.17	3.93	3.48	2.84	2.49
10	3.07	3.31	3.37	3.21	3.71	3.18	3.13	3.17	3.93	3.42	2.84	2.47
11	3.07	3.29	3.35	3.21	3.60	3.18	3.12	3.17	3.81	3.37	2.83	2.50
12	3.06	3.27	3.77	3.21	3.53	3.28	3.18	3.16	3.74	3.33	2.86	2.59
13	3.06	3.25	4.24	3.21	3.48	3.33	3.27	3.15	3.97	3.29	2.85	2.59
14	3.12	3.23	4.28	3.20	3.43	3.35	3.27	3.14	3.92	3.25	2.83	2.57
15	3.19	3.21	4.20	3.20	3.41	3.34	3.27	3.11	3.77	3.22	2.81	2.56
16	3.23	3.37	4.01	3.19	3.37	3.33	3.24	3.12	3.60	3.19	2.82	2.57
17	3.26	3.37	3.83	3.19	3.35	3.31	3.22	3.10	3.49	3.17	2.81	2.56
18	3.25	3.37	3.69	3.19	3.33	3.28	3.20	3.16	3.48	3.14	2.80	2.55
19	3.23	3.36	3.59	3.19	3.31	3.28	3.19	3.16	3.47	3.13	2.78	2.54
20	3.28	3.32	3.52	3.19	3.30	3.25	3.31	3.14	3.43	3.11	2.76	2.54
21	3.33	3.27	3.46	3.19	3.28	3.22	3.49	3.12	3.41	3.09	2.74	2.54
22	3.47	3.24	3.42	3.19	3.27	3.20	3.65	3.11	3.40	3.07	2.72	2.58
23	3.41	3.22	3.39	3.19	3.25	3.19	3.66	3.09	3.34	3.06	2.70	2.64
24	3.44	3.21	3.36	3.18	3.23	3.19	3.54	3.08	3.30	3.05	2.71	2.64
25	3.36	3.33	3.34	3.19	3.22	3.18	3.43	3.25	3.26	3.03	2.70	2.67
26	3.30	3.43	3.30	3.29	3.22	3.18	3.36	3.38	3.22	3.02	2.68	2.66
27	3.28	3.49	3.28	3.33	3.21	3.18	3.31	3.38	3.21	3.01	2.66	2.66
28	3.59	3.59	3.29	3.33	3.21	3.18	3.30	3.39	3.20	3.00	2.68	2.67
29	3.86	3.57	3.28	3.32	---	3.17	3.28	3.35	3.24	2.99	2.66	2.66
30	4.28	3.53	3.27	3.31	---	3.17	3.26	3.31	4.42	2.97	2.63	2.66
31	4.66	---	3.26	3.28	---	3.16	---	3.28	---	2.94	2.61	---
MAX	4.66	4.53	4.28	3.33	3.99	3.35	3.66	3.39	4.42	5.22	2.92	2.67
MIN	3.06	3.21	3.26	3.18	3.21	3.16	3.12	3.08	3.19	2.94	2.61	2.47

07354100 KISATCHIE BAYOU AT LOTUS, LA

LOCATION.--Lat 31°29'04", long 93°08'19", NW 1/4 SE 1/4 sec.24, T.6 N., R.8 W., Natchitoches Parish, Hydrologic Unit 11140207, at right bank on downstream side of bridge on unnumbered parish road, 0.5 mi west of Lotus, 1.2 mi downstream from Sheard Branch, and 4.8 mi southeast of Bellwood.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--Occasional low-flow measurements water years 1956-63 (published as "near Bellwood"). December 1979 to current year. Gage-height records and discharge measurements December 1938 to July 1942 and January 1956 to September 1979 are in reports of Corps of Engineers, New Orleans district.

REVISED RECORDS.--WRD LA-82-1: 1982 (P).

GAGE.--Water-stage recorder. Datum of gage is 123.57 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to January 1956 at datum 1.24 ft higher.

REMARKS.--Estimated daily discharges: July 12-14, 16-25, 27-30. Records good, except those for the period of estimated record, which are fair.

AVERAGE DISCHARGE.--6 years, 193 ft³/s, 18.72 in/yr, 139,800 acre-ft/yr.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1939, reached a stage of 19.3 ft, present datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s Dec. 27, 1983, gage height, 18.17 ft, from rating curve extended above 8,960 ft³/s on basis of contracted-opening measurement at gage height 18.17 ft; minimum 2.8 ft³/s Oct. 4, 5, 6, 7, 1982; minimum gage height, 1.94 ft Oct. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	0630	*8500	*16.70	Dec. 13	0430	5430	15.80

Minimum discharge, 7.5 ft³/s Oct. 13; minimum gage height, 2.57 ft Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	182	821	610	84	51	43	25	30	112	111	9.8	10		
2	74	433	487	78	51	44	24	550	71	69	9.0	10		
3	40	374	231	73	50	44	23	200	48	53	8.6	14		
4	27	271	184	70	894	44	23	94	279	43	9.0	29		
5	20	215	162	66	756	41	22	58	212	36	11	17		
6	15	188	143	61	569	39	22	44	265	31	15	12		
7	12	169	130	70	318	39	21	36	615	48	35	11		
8	10	151	122	80	190	46	20	30	1350	75	18	13		
9	9.4	139	117	70	150	36	19	30	617	183	12	11		
10	8.7	130	112	72	133	35	20	30	764	68	11	9.7		
11	8.4	123	901	92	129	35	20	27	290	47	17	8.9		
12	7.9	118	2440	82	118	120	24	24	335	37	65	63		
13	7.9	114	3370	67	102	216	46	20	178	30	37	90		
14	13	108	566	61	98	144	42	17	114	25	20	32		
15	107	123	300	57	94	148	30	15	84	21	14	17		
16	142	1100	234	55	87	95	24	14	71	18	17	13		
17	60	407	201	54	86	68	20	16	88	16	14	12		
18	35	215	179	55	83	58	18	67	180	14	11	10		
19	105	169	158	56	78	52	17	84	97	12	9.4	11		
20	778	139	145	54	72	48	326	44	253	11	8.5	15		
21	214	117	134	51	67	42	211	28	118	10	8.1	107		
22	109	106	127	49	64	37	85	21	77	9.6	8.6	87		
23	123	98	125	46	59	34	51	17	60	9.4	9.7	50		
24	257	293	117	44	55	34	38	15	49	9.0	9.7	29		
25	133	808	104	85	52	33	30	290	42	20	9.5	19		
26	87	309	92	211	50	32	25	449	38	63	11	13		
27	100	411	98	115	49	31	22	133	36	45	15	14		
28	4480	837	116	74	46	30	30	157	37	32	63	11		
29	5720	315	107	64	---	29	44	84	548	22	29	10		
30	8140	217	93	58	---	27	37	47	305	16	17	35		
31	4530	---	88	53	---	26	---	71	---	11	12	---		
TOTAL	25555.3	9018	11993	2207	4551	1750	1359	2742	7333	1195.0	543.9	783.6		
MEAN	824	301	387	71.2	163	56.5	45.3	88.5	244	38.5	17.5	26.1		
MAX	8140	1100	3370	211	894	216	326	550	1350	183	65	107		
MIN	7.9	98	88	44	46	26	17	14	36	9.0	8.1	8.9		
CFSM	5.89	2.15	2.76	.51	1.16	.40	.32	.63	1.74	.27	.12	.19		
IN.	6.79	2.40	3.19	.59	1.21	.46	.36	.73	1.95	.32	.14	.21		
AC-FT	50690	17890	23790	4380	9030	3470	2700	5440	14550	2370	1080	1550		
CAL YR 1985	TOTAL	87680.9	MEAN	240	MAX	8140	MIN	5.3	CFSM	1.71	IN.	23.30	AC-FT	173900
WTR YR 1986	TOTAL	69030.8	MEAN	189	MAX	8140	MIN	7.9	CFSM	1.35	IN.	18.34	AC-FT	136900

07354100 KISATCHIE BAYOU AT LOTUS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.07	10.11	8.70	4.94	4.37	3.92	3.45	3.60	5.03	4.88	2.73	2.68
2	4.62	8.12	8.40	4.84	4.36	3.92	3.43	8.54	4.44	4.23	2.70	2.68
3	3.99	7.73	6.54	4.77	4.35	3.94	3.41	6.15	4.00	3.95	2.67	2.83
4	3.65	6.95	5.99	4.72	9.14	3.93	3.39	4.78	6.90	3.72	2.70	3.29
5	3.45	6.37	5.71	4.65	9.65	3.87	3.37	4.21	6.30	3.55	2.79	2.93
6	3.28	6.04	5.46	4.56	8.89	3.82	3.36	3.93	6.87	3.43	2.93	2.73
7	3.17	5.81	5.28	4.71	7.29	3.81	3.34	3.74	8.86	3.74	3.53	2.70
8	3.10	5.58	5.18	4.87	6.07	3.96	3.31	3.60	11.61	4.33	3.05	2.79
9	3.04	5.41	5.10	4.72	5.57	3.74	3.27	3.60	9.13	5.82	2.84	2.71
10	3.01	5.29	5.03	4.75	5.33	3.73	3.32	3.60	9.77	4.20	2.79	2.64
11	2.99	5.19	8.59	5.06	5.28	3.73	3.32	3.52	7.03	3.81	2.98	2.60
12	2.97	5.13	13.82	4.91	5.11	5.02	3.44	3.43	7.37	---	4.15	3.73
13	2.97	5.06	14.23	4.67	4.90	6.37	3.97	3.32	5.78	---	3.59	4.46
14	3.21	4.97	8.93	4.55	4.84	5.47	3.89	3.22	4.91	---	3.10	3.34
15	4.94	5.15	7.39	4.49	4.79	5.54	3.61	3.14	4.48	3.16	2.88	2.93
16	5.57	11.17	6.82	4.44	4.69	4.80	3.42	3.10	4.27	---	2.99	2.76
17	4.37	7.90	6.45	4.43	4.68	4.40	3.32	3.17	4.53	---	2.88	2.70
18	3.85	6.36	6.20	4.45	4.63	4.20	3.24	4.33	5.80	---	2.78	2.65
19	4.91	5.80	5.96	4.47	4.55	4.10	3.21	4.62	4.68	---	2.69	2.64
20	9.84	5.41	5.78	4.42	4.46	4.02	7.02	3.94	6.61	---	2.64	2.83
21	6.42	5.10	5.64	4.36	4.37	3.90	6.25	3.55	4.97	---	2.61	4.56
22	5.13	4.95	5.54	4.32	4.32	3.76	4.64	3.33	4.37	---	2.64	4.41
23	5.27	4.85	5.51	4.27	4.24	3.71	4.08	3.19	4.08	---	2.69	3.73
24	6.82	6.56	5.39	4.22	4.16	3.70	3.78	3.12	3.86	---	2.68	3.25
25	5.48	10.02	5.21	4.88	4.10	3.68	3.61	6.74	3.70	---	2.67	3.01
26	4.83	7.24	5.06	6.56	4.06	3.65	3.48	8.04	3.61	4.08	2.75	2.94
27	4.89	7.57	5.13	5.37	4.03	3.63	3.38	5.32	3.56	---	2.89	3.00
28	14.88	10.12	5.38	4.78	3.98	3.61	3.60	5.62	3.57	---	4.06	2.96
29	15.88	7.29	5.25	4.61	---	3.57	3.94	4.63	8.00	---	3.32	2.96
30	16.61	6.39	5.06	4.51	---	3.53	3.78	4.00	6.98	---	2.96	3.36
31	14.92	---	5.00	4.41	---	3.48	---	4.42	---	2.77	2.77	---
MAX	16.61	11.17	14.23	6.56	9.65	6.37	7.02	8.54	11.61	5.82	4.15	4.56
MIN	2.97	4.85	5.00	4.22	3.98	3.48	3.21	3.10	3.56	2.77	2.61	2.60

07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°23'38", long 92°40'02", T.5 N., R.3 W., Grant-Rapides Parish line, Hydrologic Unit 11140207, 0.2 mi northwest of Boyce, and at mile 135.0.

DRAINAGE AREA.--66,998 mi² of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1973-84, October 1985 to September 1986.

REMARKS.--Water-quality samples are non-integrated and collected from bank.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 08...	1330	772	7.80	21.0	15	40	9.3	20	4.0	K220
NOV 18...	1440	657	6.70	21.5	30	120	8.2	23	2.7	1200
DEC 16...	1430	167	7.70	9.0	80	230	8.9	29	1.0	6200
JAN 07...	1530	314	7.70	8.0	60	75	11.9	54	3.9	<10
FEB 26...	0800	201	7.60	13.5	80	80	9.0	37	1.2	2600
MAR 12...	0915	351	7.70	13.0	40	60	9.4	57	2.0	780
APR 09...	1430	400	7.60	21.0	40	250	6.5	79	3.6	2400
MAY 21...	1345	601	7.90	25.0	15	80	7.8	29	2.0	1000
JUN 04...	0830	447	7.40	25.5	40	80	6.9	20	2.5	1500
JUL 07...	1500	388	7.80	29.5	60	70	7.1	26	0.7	20
AUG 19...	0830	1010	7.90	26.5	15	7.8	7.3	27	2.9	K20
SEP 03...	0845	1080	7.80	27.5	15	17	6.7	<10	3.2	1600

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 08...	K26	88	230	64	18	65	3.3	211	50	89
NOV 18...	210	170	150	40	11	76	4.2	82	66	110
DEC 16...	—	1500	50	15	3.1	12	2.5	52	13	12
JAN 07...	K600	K60	88	26	5.6	26	3.6	65	28	39
FEB 26...	K40	K70	59	18	3.4	16	2.3	45	17	23
MAR 12...	84	K32	110	32	6.7	26	2.9	85	29	36
APR 09...	260	320	110	33	7.1	32	2.9	99	27	41
MAY 21...	150	K31	170	48	12	58	3.3	93	69	91
JUN 04...	120	590	110	32	7.1	45	3.0	73	46	62
JUL 07...	—	150	93	28	5.5	48	3.0	73	42	56
AUG 19...	K4	K8	240	66	19	100	4.2	163	100	160
SEP 03...	K10	—	280	76	22	110	1.8	199	100	170

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355130 RED RIVER AT BOYCE, LA (CE 04525)---Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 08...	420	111	0.01	0.01	1.2	1.2	0.13	0.04	7.9
NOV 18...	381	616	0.02	0.25	0.95	1.2	0.25	0.08	11
DEC 16...	94	346	0.06	0.19	1.2	1.4	0.31	0.20	12
JAN 07...	176	154	0.02	0.18	0.98	1.2	0.18	0.10	9.7
FEB 26...	119	196	0.03	0.24	0.69	0.93	0.19	0.11	9.1
MAR 12...	194	146	0.01	0.01	1.0	1.0	0.19	0.04	11
APR 09...	217	1780	0.08	0.31	2.6	2.9	1.1	0.19	23
MAY 21...	332	156	0.03	0.33	0.97	1.3	0.14	0.09	8.7
JUN 04...	250	173	0.02	0.26	0.68	0.94	0.17	0.10	9.0
JUL 07...	227	175	0.01	0.02	0.95	0.97	0.21	0.07	11
AUG 19...	571	37	<0.01	0.01	0.83	0.84	0.14	0.07	10
SEP 03...	710	5	<0.01	<0.02	--	--	0.04	0.03	8.5

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 08...	2	<10	1	10	6	1700	7	260	<0.1	6	<1
JAN 07...	1	<10	<1	<10	6	5000	<5	120	0.3	7	<1
APR 09...	6	<10	<1	40	34	30000	23	1300	<0.1	47	<1
JUL 07...	2	<10	1	<10	10	3900	5	160	0.1	8	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 08...	30	<0.01	3	1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01
JAN 07...	50	<0.01	<1	2	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01
APR 09...	100	<0.01	<1	<1	<0.1	<0.001	<0.1	<0.001	0.005	<0.001	0.02
JUL 07...	20	<0.01	2	1	<0.1	<0.001	<0.1	<0.001	0.002	<0.001	0.02

< Actual value is known to be less than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 08...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01
JAN 07...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 09...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01
JUL 07...	0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 08...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
JAN 07...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
APR 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.06	<0.01	<0.01	<0.01
JUL 07...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.09	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07355500 RED RIVER AT ALEXANDRIA, LA
(National Stream-quality accounting network station)

LOCATION.--Lat 31°18'46", long 92°26'34", in SE1/4 sec. 10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040301, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi downstream from Bayou Rigolette. Water-quality sampling site at center of channel 0.3 mi downstream.

DRAINAGE AREA.--67,500 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1947, 1952-62, 1969, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1952 to September 1963, June 1973 to September 1981.

WATER TEMPERATURES: October 1952 to September 1963, June 1973 to September 1984.

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct. 8, 1956; minimum daily, 133 micromhos

June 24, 1953.

WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 2, 8, 10, 1956; minimum daily, 0.0°C Dec. 24, 25, 1983.

CHLORIDE: Maximum daily, 420 mg/L Oct. 12, 1978; minimum daily, 8.6 mg/L Apr. 7, 1977.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,495,000 tons Dec. 9, 1973; minimum daily, 1,000 tons Oct. 10-22, 1972, Oct. 1 to Nov. 7, 1978, Sept. 27-30, Oct. 1-4, 1980, Jan. 30-31, Apr. 24-25, Oct. 1-6, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 08...	1100	36000	790	8.20	21.0	10	15	8.9	3.0	—
JAN 07...	1345	20300	306	7.70	8.0	60	72	11.0	2.2	K65
APR 10...	0915	46400	318	7.70	20.5	60	560	6.3	2.3	410
JUL 07...	1330	42900	411	7.80	29.5	40	170	7.1	1.6	—

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 08...	K10	240	65	19	68	3.5	207	48	89	0.2
JAN 07...	K20	85	65	5.4	25	3.2	65	26	38	0.1
APR 10...	260	110	32	6.2	22	2.7	95	19	27	0.1
JUL 07...	110	90	25	6.6	36	3.1	58	39	57	0.2

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 08...	3.0	440	450	<0.10	<0.01	<0.01	1.0	0.10	0.04	—
JAN 07...	7.4	176	170	0.21	0.08	0.09	0.6	0.11	0.04	0.02
APR 10...	5.7	170	160	0.37	0.15	0.06	0.7	0.07	0.03	0.02
JUL 07...	2.9	220	210	<0.10	0.09	0.04	1.0	0.25	0.03	0.03

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 08...	<10	2	160	<0.5	<1	2	<3	6	7	<1
JAN 07...	20	<1	74	<0.5	<1	<1	<3	3	63	<1
APR 10...	20	<1	85	<0.5	<1	1	<3	5	39	3

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 08...	12	7	<0.1	<10	4	<1	<1	580	<6	6
JAN 07...	5	19	0.5	<10	<1	<1	<1	210	<6	9
APR 10...	7	<1	<0.1	<10	2	<1	<1	210	<6	6

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, DIS- SOLVED TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JAN 07...	<1.4	3.6	4.4	2.7	3.4	2.5	0.02	0.37

DATE	SEDIMENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDIMENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 08...	32	3110	94
JAN 07...	383	21000	69
APR 10...	2620	328000	79
JUL 07...	555	64300	78

< Actual value is known to be less than the value shown.

07355510 RED RIVER NEAR ALEXANDRIA, LA

LOCATION.--Lat 31 16'46", long 92 24'05", in SE1/4 sec.6, T.3 N., R.1 E., Rapides Parish, Hydrologic Unit 08040301, near right bank, 1.7 mi southeast of Alexandria, and at mi 101.0.

DRAINAGE AREA.--67,500 mi, approximately, of which 5936 mi above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1983 to September 1984, October 1985 to September 1986.

REMARKS.--Water-quality samples are non-integrated and collected from bank.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 15...	1045	819	8.20	25.0	5	85	7.1	20	—	5800
NOV 18...	1315	744	7.80	22.0	20	180	8.1	20	3.1	2000
DEC 16...	1045	182	8.00	10.0	100	240	9.0	62	1.9	6800
JAN 09...	0900	312	7.70	6.5	60	100	9.5	40	0.7	K8200
FEB 25...	1330	205	7.50	13.5	60	80	9.0	29	0.8	2400
MAR 10...	1345	298	7.90	17.0	30	80	9.8	49	—	320
APR 10...	1115	321	7.70	20.0	70	270	6.4	67	1.8	K2000
MAY 21...	1300	602	7.80	24.5	20	75	7.8	31	1.2	1400
JUN 03...	1330	458	7.80	27.0	30	110	7.0	26	1.8	2000
JUL 10...	0800	467	7.70	30.5	50	130	6.9	26	3.4	K150
AUG 18...	1415	1060	7.80	26.5	15	5.5	8.6	26	3.5	K140
SEP 02...	1230	1110	7.90	28.0	15	45	5.1	<10	0.0	K50

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 15...	K3300	8000	250	67	20	72	3.6	243	81	96
NOV 18...	K300	K140	160	43	12	84	4.4	87	74	120
DEC 16...	—	2400	54	16	3.3	12	2.3	51	13	12
JAN 09...	370	K60	91	27	5.8	28	3.1	69	25	45
FEB 25...	K8	K30	59	18	3.3	15	2.2	43	16	22
MAR 10...	K20	K38	90	27	5.6	21	2.8	77	19	29
APR 10...	460	270	100	28	7.5	21	2.5	89	20	30
MAY 21...	200	140	160	41	13	59	3.4	96	71	93
JUN 03...	240	210	110	31	6.9	42	2.9	73	43	60
JUL 10...	K5	K1900	100	29	7.7	44	3.1	66	48	68
AUG 18...	K32	K36	250	68	20	110	4.3	161	99	160
SEP 02...	K20	—	300	78	26	110	4.7	190	110	170

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07355510 RED RIVER NEAR ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	471	166	0.04	0.11	1.0	1.1	0.21	0.17	6.9
NOV 18...	417	220	0.03	0.25	0.93	1.2	0.29	0.09	10
DEC 16...	101	266	0.07	0.19	1.1	1.3	0.29	0.20	14
JAN 09...	196	420	0.02	0.19	0.82	1.0	0.24	0.14	11
FEB 25...	116	116	0.03	0.26	0.68	0.94	0.17	0.11	9.1
MAR 10...	167	96	0.03	0.02	0.97	0.99	0.19	0.09	11
APR 10...	184	1340	0.07	0.36	2.0	2.4	1.0	0.13	24
MAY 21...	339	240	0.02	0.18	1.0	1.2	0.16	0.09	9.1
JUN 03...	250	264	0.03	0.35	0.73	1.1	0.24	0.10	9.6
JUL 10...	255	333	<0.01	0.02	0.50	0.52	0.10	0.10	10
AUG 18...	608	35	0.01	0.02	0.90	0.92	0.16	0.08	9.3
SEP 02...	680	63	0.01	0.03	0.03	0.06	0.18	0.06	7.7

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 15...	2	<10	2	10	11	4200	19	180	--	14	<1
JAN 09...	1	<10	<1	<10	8	5000	6	100	<0.1	7	<1
APR 10...	7	<10	<1	40	34	25000	33	1100	<0.1	36	<1
JUL 10...	2	<10	<1	10	370	7100	21	250	0.1	55	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 15...	60	<0.01	5	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
JAN 09...	30	<0.01	2	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	0.020
APR 10...	90	<0.01	2	1	<0.1	<0.1	<0.001	<0.1	<0.001	0.004	<0.001
JUL 10...	370	<0.01	4	2	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001

< Actual value is known to be less than the value shown.

07355510 RED RIVER NEAR ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 15...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.002	<0.01	<0.01	<0.01
JAN 09...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 10...	0.02	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JUL 10...	0.01	0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
JAN 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
APR 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.06	<0.01	<0.01	<0.01
JUL 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.03	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07355600 RED RIVER AT MONCLA, LA (CE 04657)

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 W., Avoyelles Parish, Hydrologic Unit 08040301, near center of span on downstream side of bridge on State Highway 115, 1.4 mi west of Moncla, and at mile 74.0.

DRAINAGE AREA.--67,625 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1971, 1973-84, October 1985 to September 1986.

REMARKS.--Water-quality samples are non-integrated.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 15...	1315	837	8.20	25.0	10	35	6.7	17	—	—
NOV 18...	1040	852	7.60	21.5	20	140	8.1	23	1.4	2000
DEC 16...	1000	191	7.80	9.0	120	270	10.0	26	3.6	7200
JAN 09...	1100	329	7.80	6.5	60	160	—	34	—	>2000
FEB 25...	1200	211	7.80	13.5	80	80	9.0	30	1.0	750
MAR 10...	1250	289	7.90	17.5	40	90	9.6	39	—	420
APR 10...	1100	346	7.80	21.0	70	320	5.9	75	2.5	1100
MAY 21...	1045	579	7.80	23.5	30	85	7.6	26	1.1	320
JUN 03...	1300	440	7.70	27.0	30	110	7.0	26	1.5	1600
JUL 10...	0930	447	7.70	30.0	50	80	6.4	24	1.2	K70
AUG 18...	1145	958	8.10	26.5	15	13	7.4	30	3.0	110
SEP 02...	1146	1100	8.00	28.5	20	19	7.6	<10	2.5	—

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 15...	360	3100	260	71	21	75	4.7	249	54	95
NOV 18...	260	K260	180	47	14	97	4.6	96	87	150
DEC 16...	—	2100	54	16	3.4	13	2.7	53	12	14
JAN 09...	180	K60	94	28	5.9	28	3.0	73	29	41
FEB 25...	K8	K30	60	18	3.6	17	2.4	46	18	23
MAR 10...	K2	K1000	87	26	5.4	21	2.8	72	23	26
APR 10...	430	270	120	34	8.5	26	2.6	89	24	37
MAY 21...	K60	K50	150	41	11	57	3.3	94	67	86
JUN 03...	84	170	110	31	6.7	40	2.8	74	42	58
JUL 10...	K20	K60	100	29	7.4	42	3.1	66	47	64
AUG 18...	K4	42	250	66	20	100	4.6	164	100	160
SEP 02...	K10	—	300	79	26	110	4.3	185	110	170

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	479	19	0.02	0.07	0.91	0.98	0.15	0.10	6.5
NOV 18...	479	335	0.02	0.23	0.76	0.99	0.19	0.06	—
DEC 16...	109	266	0.07	0.21	1.7	1.9	0.32	0.19	17
JAN 09...	187	196	0.03	0.20	1.0	1.2	0.21	0.12	11
FEB 25...	118	164	0.04	0.26	0.65	0.91	0.18	0.13	7.4
MAR 10...	170	100	0.02	0.02	1.0	1.0	0.17	0.08	11
APR 10...	197	832	0.10	0.38	2.0	2.4	0.65	0.20	20
MAY 21...	332	186	0.02	0.13	0.83	0.96	0.15	0.06	8.2
JUN 03...	244	337	0.03	0.27	0.73	1.0	0.24	0.09	9.2
JUL 10...	246	158	0.01	0.01	0.78	0.79	0.18	0.07	11
AUG 18...	579	44	<0.01	0.01	1.5	1.5	0.15	0.07	9.6
SEP 02...	660	5	<0.01	<0.02	<0.20	—	0.12	0.04	7.9

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 15...	2	<10	<1	10	6	1700	10	200	—	9	<1
JAN 09...	2	<10	<1	<10	4	6400	<5	120	<0.1	18	<1
APR 10...	9	<10	<1	30	31	23000	36	1200	<0.1	40	<1
JUL 10...	2	<10	<1	<10	10	4300	15	150	<0.1	15	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 15...	80	<0.01	5	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
JAN 09...	40	<0.01	<1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
APR 10...	90	<0.01	1	2	<0.1	<0.1	<0.001	<0.1	<0.001	0.008	<0.001
JUL 10...	20	<0.01	4	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001

< Actual value is known to be less than the value shown.

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 15...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JAN 09...	0.02	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 10...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JUL 10...	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	0.01
JAN 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
APR 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.06	<0.01	<0.01	<0.01
JUL 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.04	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

073556005 RED RIVER (AT LOCK AND DAM 1) NEAR VICK, LA

LOCATION.--Lat 31°15'00", long 91°56'17", in SW1/4 sec.11, T.3 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08040301, near right bank, 10.1 mi east of Vick, and at mile 50.0.

DRAINAGE AREA.--67,700 mi², approximately, of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1983 to September 1984, October 1985 to September 1986.

REMARKS.--Water-quality samples are non-integrated and collected from bank.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 15...	1200	841	8.00	25.0	10	10	6.0	17	--	K140
NOV 18...	0930	858	7.50	21.5	20	300	8.3	23	2.0	1300
DEC 16...	0915	192	7.90	9.0	120	260	8.8	43	1.8	8600
JAN 09...	1200	303	7.80	6.5	60	130	--	34	--	1600
FEB 25...	1100	214	7.70	13.5	80	100	9.0	29	1.2	580
MAR 10...	1200	286	7.90	17.0	40	80	9.6	40	--	100
APR 10...	1215	492	7.10	21.5	--	--	6.4	69	2.9	K350
MAY 21...	0930	564	7.80	24.5	20	65	7.7	18	0.8	190
JUN 03...	1230	443	7.40	27.0	30	110	6.9	29	1.5	K750
JUL 10...	1030	439	7.80	30.5	50	100	6.3	24	1.3	K180
AUG 18...	1115	1050	7.60	26.5	15	6.8	7.7	26	3.5	K25
SEP 02...	1100	1140	7.80	28.5	10	4.5	5.0	<10	0.7	40

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 15...	K56	540	260	71	21	66	3.9	240	56	93
NOV 18...	260	140	180	48	14	97	4.8	110	86	140
DEC 16...	--	2800	58	17	3.7	13	2.3	52	13	14
JAN 09...	400	40	90	27	5.6	27	3.0	69	23	42
FEB 25...	K16	K35	62	19	3.5	17	2.3	47	21	24
MAR 10...	K6	290	89	27	5.3	21	2.8	69	23	28
APR 10...	K110	200	120	36	8.2	39	2.9	105	47	59
MAY 21...	K65	500	150	39	12	53	3.3	89	64	83
JUN 03...	42	K72	110	32	6.9	41	2.9	73	42	57
JUL 10...	K5	K200	100	28	7.2	41	3.0	68	43	62
AUG 18...	K2	86	260	68	21	110	4.5	175	99	150
SEP 02...	--	--	280	76	23	120	4.8	192	120	180

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

073556005 RED RIVER (AT LOCK AND DAM 1) NEAR VICK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 15...	481	31	0.02	0.13	0.72	0.85	0.12	0.09	5.9
NOV 18...	473	—	0.03	0.22	0.98	1.2	0.28	0.10	—
DEC 16...	107	712	0.07	0.21	1.1	1.3	0.36	0.19	16
JAN 09...	179	210	0.03	0.19	0.68	0.87	0.18	0.11	10
FEB 25...	119	210	0.05	0.27	0.68	0.95	0.20	0.16	9.0
MAR 10...	158	80	0.02	0.02	0.85	0.87	0.14	0.08	10
APR 10...	273	1270	0.06	0.26	2.5	2.8	---	0.12	16
MAY 21...	313	128	0.02	0.11	0.87	0.98	0.13	0.07	8.1
JUN 03...	244	271	0.02	0.26	0.70	0.96	0.25	0.09	9.7
JUL 10...	215	67	<0.01	0.01	0.50	0.51	0.10	0.10	11
AUG 18...	587	71	<0.01	0.01	0.88	0.89	0.19	0.06	9.9
SEP 02...	680	1	0.01	0.04	<0.20	0.11	0.10	0.04	6.5

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 15...	2	<10	1	10	4	860	6	160	—	6	<1
JAN 09...	2	<10	<1	10	4	6900	15	140	<0.1	6	<1
APR 10...	7	<10	<1	30	110	23000	32	1500	<0.1	36	<1
JUL 10...	2	<10	<1	<10	13	3600	10	100	0.1	13	<1

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 15...	60	<0.01	<1	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
JAN 09...	40	<0.01	1	—	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001
APR 10...	170	<0.01	<1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.012	<0.001
JUL 10...	20	<0.01	4	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.002	<0.001

< Actual value is known to be less than the value shown.

073556005 RED RIVER (AT LOCK AND DAM 1) NEAR VICK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 15...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JAN 09...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
APR 10...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
JUL 10...	0.01	0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
JAN 09...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
APR 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.04	<0.01	<0.01	<0.01
JUL 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.07	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07355601 RED RIVER NEAR SIMMESPORT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 31°08'01", long 91°43'09", in sec.24, T.2 N., R.7 E., St. Helena Meridian, Avoyelles-Concordia Parish line, Hydrologic Unit 08040301, 8.2 mi northwest of Old River Control Structure, 11.5 mi north-northeast of Simmesport, and at mile 16.0.

DRAINAGE AREA.--93,163 mi².

PERIOD OF RECORD.--Water years 1978 to September 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1981.

WATER TEMPERATURES: April 1978 to September 1979, October 1980 to September 1981.

COOPERATION.--Discharge records furnished by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,520 micromhos June 30, 1978; minimum daily, 104 micromhos Feb. 13-15, 1979.

WATER TEMPERATURES: Maximum daily, 35.0°C July 3, 6, 1979; minimum daily, 5.0°C Jan. 9, 14, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 30...	1315	—	292	7.30	21.0	70	85	6.5	1.8	720	5200
DEC 18...	1330	141000	176	7.70	8.5	60	190	8.6	0.7	480	860
FEB 12...	1245	111000	245	7.50	10.0	80	400	9.0	2.2	300	450
APR 24...	1300	78000	262	7.40	20.0	70	140	7.3	1.7	86	320
JUN 25...	1330	77500	399	7.10	30.0	40	140	5.7	0.3	K14	K60
AUG 28...	1300	8760	720	7.80	32.0	15	13	6.8	1.5	K3	K80

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 30...	70	19	5.4	26	3.6	64	20	36	0.1	6.4
DEC 18...	48	14	3.1	12	2.8	43	12	17	<0.1	7.0
FEB 12...	72	21	4.6	17	2.7	51	23	23	0.1	6.9
APR 24...	58	17	3.7	21	2.3	50	17	29	0.1	5.8
JUN 25...	92	27	5.9	38	3.2	54	42	62	0.2	5.8
AUG 28...	170	46	14	77	3.5	124	56	120	0.2	6.0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the ideal range (non-ideal count).

07355601 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 30...	171	160	0.03	0.26	0.21	0.09	0.8	0.24	0.05	0.04
DEC 18...	99	92	0.01	0.22	0.12	0.09	1.2	0.13	0.08	0.06
FEB 12...	152	130	0.02	0.37	0.14	0.12	1.2	0.16	0.04	0.02
APR 24...	144	120	0.03	0.31	0.13	0.09	1.2	0.17	0.04	0.03
JUN 25...	226	220	<0.01	0.20	0.10	0.09	1.2	0.14	0.04	0.03
AUG 28...	420	400	<0.01	0.14	0.02	0.04	0.7	0.08	0.05	0.05

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 30...	20	1	67	1	<1	<1	<3	7	140	<5	<4
FEB 12...	150	<1	57	<0.5	1	<1	<3	8	240	<5	4
APR 24...	320	<1	52	<0.5	<1	<1	<3	7	210	<5	5

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	PHENOLS TOTAL (UG/L)
OCT 30...	28	<0.1	<10	2	<1	<1	170	<6	23	<1
FEB 12...	13	0.2	<10	6	<1	<1	180	<6	21	—
APR 24...	9	<0.1	<10	1	<1	<1	130	<6	17	—

DATE	SEDIM- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
OCT 30...	748	—	76
DEC 18...	754	287000	76
FEB 12...	1870	560000	75
APR 24...	493	104000	80
JUN 25...	521	109000	89
AUG 28...	19	449	99

< Actual value is known to be less than the value shown.

07355650 LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°56'10", In SW 1/4 sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi west of Argo, 4.2 mi upstream from mouth of Larto Bayou, and 7.7 mi northwest of Acme.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--December 1968 to September 1976 (gage heights only), October 1976 to September 1977 and December 1978 to April 1986 (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 33.00 ft higher.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam consists of a 57-ft concrete spillway and a 10-ft wide timber gate. The crest of the dam is at an elevation of 45.45 ft, and the invert of the spillway is at 36.95 ft. The capacity at elevation of 36.95 ft is estimated to be 15,000 acre-ft. Outflow between elevation of 30.95 ft and 36.95 ft is regulated by the timber gate. Lake is used for recreation. No elevations recorded below 34.00 ft, elevation was below lowest recordable elevation of 34.00 ft, Oct. 1-20, Nov. 13-27, and Jan. 5 to Apr. 30. Construction began Jan. 5 on earthen levee constructed to maintain pool elevation of lake, at which time gage was effectively cut off from lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 59.26 ft present datum, from floodmark, occurred during period May 14-18, 1973; minimum not determined.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation during period October 1985 to April 1986, 41.54 ft Dec. 18; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	39.04	35.20	35.71								
2	---	38.52	35.73	34.93								
3	---	37.94	36.26	34.57								
4	---	37.30	36.64	34.20								
5	---	36.60	37.00	---								
6	---	35.99	37.10	---								
7	---	35.39	37.34	---								
8	---	34.97	37.52	---								
9	---	34.64	37.65	---								
10	---	34.50	37.76	---								
11	---	34.33	37.80	---								
12	---	34.08	38.42	---								
13	---	---	39.21	---								
14	---	---	39.85	---								
15	---	---	40.34	---								
16	---	---	40.81	---								
17	---	---	41.20	---								
18	---	---	41.46	---								
19	---	---	41.50	---								
20	34.01	---	41.36	---								
21	34.63	---	41.17	---								
22	35.01	---	40.98	---								
23	35.14	---	40.77	---								
24	35.59	---	40.39	---								
25	35.64	---	40.03	---								
26	35.48	---	39.57	---								
27	35.27	---	39.13	---								
28	35.89	34.36	38.55	---								
29	37.36	34.67	37.97	---								
30	38.68	34.90	37.44	---								
31	39.18	---	36.71	---								
MAX	39.18	39.04	41.50	35.71								
MIN	---	---	35.20	---								

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE 1/4 NE 1/4 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft below lock and dam No. 6, 1.6 mi north of Arkansas-Louisiana State line, 3.5 mi downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi².

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft stage only). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Halle (station 07364103) was used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft³/s Sept. 13, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1912, 44.2 ft Apr. 11, 12, 1945; minimum, -0.3 ft Nov. 11, 1916; minimum since 1928, 5.8 ft Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, not determined; minimum daily discharge, 691 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	691	11100	12100		1950	6770	3600		3370		3380	2080
2	751	12600	12500		2040	5980	3120		3790		3800	1360
3	696	13000	13400		2070	5490	2940		4680		3620	1440
4	750	13200	14200	10400	6210	5210	2440		4160		2750	1790
5	864	13000		9690	10200	4200	3120		7580		2910	2190
6	786	12100		9150	14700	3320	4370		10600		2110	2840
7	779	10500		9770		2810	7070		12200		2220	2800
8	784	8650		9250		2770	8960		13400		2390	2640
9	773	7240	13100	10200		2490	10800		14700		2360	2290
10	733	6090	12400	9350		2450					2530	2320
11	791	4870	12900	8710		2370					2330	1470
12	771	4180		8280		3730		8420			2070	1800
13	771	3790		6820		5600		6920			2450	1900
14	905	4840		5710		7430		5800			2280	2500
15	1000	4430		4900		9380		5390		4420	2580	1570
16	749	3790		3730		10800		4420		2260	1810	1020
17	995	1410		3310				4160		2980	1910	876
18	976	1280		3160				3830		3760	1740	1490
19	1660	1520	---	3020				3430		4290	2770	2120
20	3530	2960	---	2960				6180		3720	2130	2160
21	8140	7130	---	2820				7800		3600	3360	2560
22	11500	6370	---	2580				8050		3030	3300	2680
23	11900	5470	---	2660				7760		2110	3080	1740
24	12000	9640	---	2680		9870		6410		2080	3040	1520
25	10400	9510	---	2860	8460	9090	---	6480		2360	2920	2030
26	8360	10700	---	2980	8060	8540	---	7730	9870	1920	2600	2240
27	5280	11700	---	3690	7630	7850	---	7310	8590	1910	2580	2090
28	3640	11800	---	2880	7270	7160	---	6400		2210	3650	2090
29	3250	11400	---	1510	---	5890	---	4930		2150	2860	1680
30	4770	11700	---	2260	---	4970	---	4100		1720	3260	1540
31	8650	---	---	2240	---	4060	---	3920	---	2970	2880	---
TOTAL	107645	235970	---	---	---	---	---	---	---	---	83670	58826
MEAN	3472	7866	---	---	---	---	---	---	---	---	2699	1961
MAX	12000	13200	---	---	---	---	---	---	---	---	3800	2840
MIN	691	1280	12100	2580	1950	2370	2440	3430	3370	1970	1740	876

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--Continued
 GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.99	17.09	17.35	20.79	9.56	16.14	11.21	22.27	10.18	21.16	9.83	8.97
2	8.08	18.20	17.73	20.04	9.64	15.11	10.27	22.14	10.51	21.34	10.08	8.23
3	7.97	18.68	18.34	19.36	9.71	14.30	9.86	22.00	11.32	21.49	9.93	8.32
4	8.12	18.89	18.88	18.64	13.15	13.72	9.38	21.87	10.95	21.64	9.12	8.70
5	8.30	18.83	19.35	17.80	15.87	12.30	10.06	21.75	13.51	21.79	9.26	9.04
6	8.20	18.42	19.38	17.02	18.97	10.81	11.72	21.63	15.63	21.90	8.52	9.71
7	8.16	17.47	19.44	16.86	20.76	9.80	14.86	21.47	16.83	21.98	8.59	9.61
8	8.16	16.16	19.01	16.37	21.44	9.64	16.82	21.21	17.72	22.02	8.73	9.47
9	8.15	15.03	18.46	16.69	21.71	9.41	18.29	20.86	18.62	21.99	8.77	8.41
10	8.07	14.06	17.95	16.05	21.85	9.34	19.43	20.42	19.52	21.85	9.38	8.40
11	8.13	13.05	18.18	15.49	21.97	9.26	20.02	19.53	20.03	21.58	9.15	8.37
12	8.12	12.33	19.56	15.08	22.11	10.88	20.37	18.30	20.23	21.15	8.89	8.67
13	8.09	11.68	21.18	14.07	22.22	13.48	20.73	16.72	20.42	20.52	9.16	8.77
14	8.30	12.36	21.87	13.30	22.35	15.54	21.08	15.15	20.62	19.25	8.77	9.33
15	8.42	11.96	22.12	12.65	22.41	17.40	21.39	14.20	20.81	17.87	8.76	8.67
16	7.99	11.36	22.25	11.54	22.46	18.67	21.62	12.63	21.01	15.96	8.46	8.30
17	8.39	9.03	22.48	11.13	22.44	19.37	21.83	11.90	21.17	14.71	8.69	8.39
18	8.36	8.63	22.65	10.95	22.32	19.77	22.03	11.35	21.26	13.48	8.61	8.82
19	9.26	8.85	---	10.80	22.14	19.90	22.21	10.53	21.30	12.36	9.55	8.97
20	11.14	10.03	---	10.71	21.87	19.90	22.42	12.32	21.27	11.08	8.99	9.00
21	14.24	13.32	---	10.56	21.49	19.81	22.56	13.56	21.15	10.26	10.05	9.37
22	16.40	12.93	---	10.30	20.87	19.70	22.67	13.82	20.93	9.47	10.06	9.52
23	16.74	11.85	---	10.39	20.14	19.45	22.76	13.64	20.66	9.05	9.85	8.61
24	16.87	14.69	---	10.41	19.56	18.98	22.84	12.67	20.39	9.00	9.83	8.36
25	15.87	14.81	---	10.59	18.84	18.43	---	12.63	19.91	9.21	9.71	8.90
26	14.60	15.32	---	10.69	18.18	17.84	---	13.66	19.00	8.72	9.42	9.09
27	12.75	16.14	---	11.34	17.49	17.15	---	13.45	17.89	8.66	9.40	8.94
28	11.40	16.52	---	10.63	16.90	16.33	---	12.86	19.45	8.94	10.33	8.93
29	11.12	16.53	---	8.99	---	14.97	---	11.66	20.55	8.82	9.68	8.56
30	12.68	16.91	22.20	9.85	---	13.59	---	10.84	20.91	8.36	9.99	8.44
31	15.31	---	21.58	9.87	---	12.23	---	10.67	---	9.48	9.70	---
MAX	16.87	18.89	---	20.79	22.46	19.90	---	22.27	21.30	22.02	10.33	9.71
MIN	7.97	8.63	17.35	8.99	9.56	9.26	9.38	10.53	10.18	8.36	8.46	8.23

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE 1/4 SW 1/4 sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi downstream from Arkansas-Louisiana State line, and 1.6 mi northwest of Jones.

DRAINAGE AREA.--1,187 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--Estimated discharges: February 28 to March 11. Records good. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and reenters the basin 5 mi downstream by way of Overflow Creek. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--29 years, 1,267 ft³/s, 917,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,710 ft³/s Jan. 2, 1983; maximum gage height, 28.45 ft Jan. 5, 1983; minimum discharge, 1.6 ft³/s Aug. 22, 1986, gage height, -0.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,860 ft³/s Nov. 12; maximum gage height, 17.82 ft Nov. 8; minimum discharge, 1.6 ft³/s Aug. 22, gage height, -0.45 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	1460	1220	1960	175	1500	882	502	196	513	11	52
2	60	1770	1240	1850	175	1400	840	494	236	458	11	109
3	59	2060	1200	1750	172	1300	797	477	324	420	12	183
4	58	2340	1200	1620	214	1150	754	453	390	393	12	131
5	58	2570	1220	1490	251	1000	709	424	437	360	7.6	97
6	57	2690	1270	1350	288	880	660	398	464	333	5.2	86
7	56	2760	1280	1180	363	800	608	373	474	301	5.2	82
8	55	2810	1280	1030	506	720	557	352	481	266	10	78
9	54	2820	1260	890	701	640	500	339	477	240	17	74
10	53	2820	1220	755	919	580	442	335	462	223	24	71
11	53	2830	1240	628	1120	550	390	344	455	214	23	74
12	52	2830	1390	521	1290	526	349	352	468	209	16	74
13	51	2820	1520	435	1440	522	294	356	495	197	6.8	71
14	52	2780	1680	364	1550	501	252	353	552	180	4.8	71
15	56	2720	1840	311	1630	518	221	331	629	162	11	70
16	57	2670	2030	271	1700	585	201	300	708	142	21	69
17	58	2580	2240	241	1770	692	202	272	782	122	26	65
18	66	2490	2440	218	1850	816	215	248	849	107	22	61
19	78	2380	2570	199	1890	926	233	216	901	93	18	55
20	94	2310	2620	184	1950	1010	271	186	936	80	11	49
21	155	2210	2630	174	1990	1070	288	166	954	68	4.8	49
22	358	2100	2600	174	2020	1110	298	154	933	59	2.3	44
23	506	2000	2550	179	2020	1140	318	144	919	52	5.2	45
24	546	1910	2510	175	2010	1110	343	139	906	44	10	44
25	507	1810	2470	169	1990	1110	368	138	860	38	15	44
26	437	1680	2400	163	1920	1080	390	151	801	30	22	43
27	387	1530	2330	158	1780	1050	416	148	733	25	27	41
28	434	1410	2260	154	1630	1020	449	158	690	21	26	40
29	610	1300	2200	156	---	983	477	150	637	16	27	39
30	900	1200	2120	163	---	942	498	143	572	12	34	37
31	1140	---	2030	170	---	902	---	180	---	10	46	---
TOTAL	7169	67660	58060	19082	35314	28133	13222	8776	18721	5388	493.9	2048
MEAN	231	2255	1873	616	1261	908	441	283	624	174	15.9	68.3
MAX	1140	2830	2630	1960	2020	1500	882	502	954	513	46	183
MIN	51	1200	1200	154	172	501	201	138	196	10	2.3	37
AC-FT	14220	134200	115200	37850	70050	55800	26230	17410	37130	10690	980	4060

CAL YR 1985	TOTAL	425050	MEAN	1165	MAX	3020	MIN	51	AC-FT	843100
WTR YR 1986	TOTAL	264066.9	MEAN	723	MAX	2830	MIN	2.3	AC-FT	523800

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.17	13.21	12.01	14.16	3.01	12.81	8.28	5.78	3.19	6.05	-0.17	.96
2	1.15	14.37	12.16	13.77	3.01	12.36	8.05	5.71	3.53	5.64	-0.18	1.91
3	1.13	15.47	12.14	13.34	2.97	11.84	7.82	5.56	4.21	5.33	-0.13	3.11
4	1.13	16.36	12.18	12.86	3.50	11.23	7.56	5.36	4.78	5.11	-0.14	2.45
5	1.12	17.01	12.25	12.29	3.96	10.55	7.27	5.10	5.21	4.83	-0.27	1.96
6	1.10	17.45	12.32	11.65	4.51	9.78	6.95	4.86	5.45	4.59	-0.34	1.79
7	1.08	17.69	12.35	10.91	5.37	8.96	6.58	4.62	5.53	4.30	-0.34	1.73
8	1.04	17.80	12.31	10.09	6.49	8.12	6.20	4.42	5.59	3.96	-0.19	1.67
9	1.02	17.82	12.20	9.22	7.84	7.36	5.76	4.32	5.57	3.70	.00	1.59
10	1.00	17.78	12.00	8.32	9.19	6.78	5.26	4.30	5.43	3.53	.17	1.53
11	.99	17.70	12.15	7.42	10.34	6.31	4.78	4.36	5.37	3.44	.16	1.59
12	.97	17.58	12.98	6.56	11.20	6.15	4.41	4.42	5.49	3.38	-0.07	1.59
13	.96	17.40	13.56	5.78	11.84	6.12	3.99	4.45	5.72	3.26	-0.29	1.54
14	.97	17.18	14.16	5.10	12.31	5.97	3.66	4.43	6.16	3.06	-0.35	1.54
15	1.08	16.96	14.92	4.57	12.68	6.09	3.41	4.27	6.73	2.83	-0.16	1.52
16	1.09	16.77	15.68	4.17	12.98	6.55	3.24	4.04	7.27	2.53	.10	1.49
17	1.12	16.51	16.30	3.83	13.24	7.22	3.25	3.82	7.73	2.22	.21	1.43
18	1.31	16.22	16.75	3.55	13.47	7.92	3.36	3.63	8.10	2.00	.11	1.35
19	1.57	15.90	17.02	3.32	13.67	8.52	3.51	3.37	8.38	1.76	.03	1.21
20	1.89	15.57	17.10	3.13	13.84	8.95	3.81	3.11	8.57	1.54	-0.17	1.06
21	2.90	15.23	17.03	3.00	13.98	9.27	3.94	2.89	8.66	1.32	-0.35	1.07
22	5.17	14.89	16.86	3.00	14.07	9.48	4.02	2.71	8.66	1.13	-0.43	.93
23	6.46	14.55	16.64	3.07	14.11	9.60	4.17	2.56	8.59	.95	-0.34	.94
24	6.77	14.31	16.40	3.02	14.08	9.63	4.35	2.49	8.41	.72	-0.19	.93
25	6.47	14.13	16.15	2.93	13.96	9.59	4.57	2.47	8.16	.52	-0.05	.93
26	5.91	13.69	15.89	2.85	13.75	9.48	4.78	2.67	7.84	.33	.11	.87
27	5.46	13.16	15.64	2.77	13.50	9.33	5.02	2.62	7.46	.19	.25	.83
28	5.87	12.69	15.39	2.70	13.19	9.16	5.31	2.76	7.21	.06	.22	.79
29	7.21	12.19	15.11	2.74	---	8.96	5.57	2.65	6.88	-0.04	.24	.76
30	9.60	11.77	14.82	2.85	---	8.74	5.74	2.55	6.46	-0.14	.42	.73
31	11.69	---	14.51	2.94	---	8.51	---	3.00	---	-0.20	.78	---
MAX	11.69	17.82	17.10	14.16	14.11	12.81	8.28	5.78	8.66	6.05	.78	3.11
MIN	.96	11.77	12.00	2.70	2.97	5.97	3.24	2.47	3.19	-0.20	-0.43	.73

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1964-73, 1976-77, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 08...	1100	309	7.1	18.0	5	15	8.4	1.1	100
JAN 08...	1130	78	7.3	4.5	70	50	10.7	1.9	K36
APR 08...	1115	90	7.0	22.0	80	60	6.4	2.0	130
JUL 08...	1115	135	7.2	29.5	100	50	5.3	—	44

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 08...	80	100	26	9.5	20	3.0	115	5.7
JAN 08...	K64	21	5.2	2.0	8.6	2.7	18	13
APR 08...	170	25	6.3	2.3	5.8	3.0	22	11
JUL 08...	120	43	11	3.7	9.1	3.3	45	8.2

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 08...	25	0.2	5.9	173	160	0.01	0.62	0.11
JAN 08...	9.5	<0.1	7.5	69	59	0.06	0.91	0.20
APR 08...	5.8	<0.1	6.3	70	54	0.18	0.87	0.26
JUL 08...	8.5	0.1	16	91	87	0.30	1.2	0.36

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
OCT 08...		1	1	<1	1	4	7	<1	5	7	14000	<5
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	
OCT 08...	20	370	1100	<0.1	<0.01	<3	32	4.6	<0.01	1	<0.1	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<1	<0.1	<1	<0.001	<0.1	<0.1	<1	<0.001	35	<0.001	15	
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 08...	<0.001	1.6	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1		
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 08...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1		

< Actual value is known to be less than the value shown.

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 08...	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07364700 BAYOU DE LOUTRE NEAR LARAN, LA

LOCATION.--Lat 32°57'20", long 92°30'00", In NW1/4 sec.29, T.23 N., R.1 W., Union Parish, near center of span on downstream side of bridge on parish road, 1.5 mi southwest of Laran, 1.5 mi downstream from Lion Creek, and 3.0 mi upstream from bridge on State Highway 550.

DRAINAGE AREA.--141 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1984 to September 1986 (discontinued).

WATER TEMPERATURES: October 1984 to September 1986 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,760 microsiemens Aug. 26, 1986; minimum daily, 117 microsiemens June 28, 1986.

WATER TEMPERATURES: Maximum daily, 33.0°C Aug. 12, 15, 1986; minimum daily, 2.0°C Feb. 2, 3, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, UM-MF (COLS./100 ML)
OCT 08...	1640	2800	6.50	17.5	10	1.0	7.9	0.5	45
JAN 08...	0845	1080	6.80	4.0	20	4.0	11.0	0.7	30
APR 08...	0845	1070	6.50	15.0	40	15	4.5	2.5	270
JUL 08...	0900	715	6.70	29.0	80	2.0	4.4	0.3	39

DATE	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH. WAT. TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)
OCT 08...	K24	260	74	18	440	6.4	26	65
JAN 08...	300	98	28	6.9	160	3.4	24	28
APR 08...	K300	95	27	6.8	160	3.7	32	17
JUL 08...	220	76	22	5.1	100	5.6	27	25

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 08...	820	0.1	7.4	1680	1400	0.03	0.46	0.04
JAN 08...	280	0.1	7.1	578	530	0.38	0.57	0.05
APR 08...	270	0.2	2.3	581	510	0.07	1.3	0.07
JUL 08...	180	0.1	11	413	360	0.16	1.1	0.10

DATE	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM, FM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS Pb)
OCT 08...	<1	<1	2	<1	3	<1	3	<1	120	1600	<5

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07364700 BAYOU DE LOUITRE NEAR LARAN, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 08...	<10	200	130	1.0	<0.01	10	3	8.9	<0.01	9	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 08...	<1	<0.1	<1	<0.01	<0.1	<0.1	<1	<0.01	0.1	<0.01	<0.1
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 08...	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

RED RIVER BASIN

07364700 BAYOU DE LOUTRE NEAR LARAN, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25°C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3040	445	364	987	1110	1030	948	720	930	188	2180	3460
2	---	445	463	990	1110	1100	1000	894	928	187	2180	3460
3	3040	456	462	1040	744	1110	1000	896	928	397	2190	3180
4	2680	455	446	1040	746	1110	1080	896	928	396	2180	3180
5	2680	546	444	1060	330	1070	1080	893	754	728	2820	3530
6	2990	547	435	1050	332	1080	1090	1210	754	725	2830	3540
7	3000	755	436	1060	273	1080	1080	1210	966	727	2840	2820
8	2810	753	538	1120	273	1080	981	1290	972	725	2980	2820
9	2810	983	538	1120	316	1220	983	1300	698	808	2980	2820
10	2660	950	580	1120	316	1230	983	1300	468	809	2980	1940
11	2660	977	579	1150	318	1220	988	1410	467	930	2990	1940
12	2590	973	176	1150	461	682	737	1410	467	928	3060	1810
13	2590	1050	177	1200	470	684	738	1400	546	1000	3060	1800
14	2430	1050	139	1200	464	464	718	1460	547	1400	3180	1800
15	2430	1070	144	1180	566	467	723	1460	690	1410	3180	1910
16	2200	1080	271	1180	567	337	739	1450	693	1410	3130	1920
17	2200	1200	272	1190	649	343	745	1270	693	1530	3110	1920
18	2100	1200	272	1180	650	265	749	1270	847	1530	3480	1930
19	2100	692	412	1220	769	266	554	1270	891	1650	3480	1920
20	2200	690	411	1220	768	408	554	1270	848	1650	3540	1870
21	3040	597	613	1220	824	411	557	1930	896	1710	3540	1870
22	660	429	613	1230	826	457	597	1930	993	1720	3730	1880
23	658	428	612	1230	958	458	597	648	997	1740	3720	3280
24	594	431	729	1230	937	542	530	654	994	1730	3730	3280
25	593	431	728	960	934	541	526	648	1040	1790	3730	3290
26	973	377	829	964	972	634	551	646	1040	1820	3760	1920
27	973	374	848	986	977	948	551	650	118	1820	3740	1910
28	765	293	847	985	1030	947	590	651	117	1870	3620	1910
29	759	296	847	1050	---	948	590	649	143	1870	3630	1730
30	372	298	---	1050	---	948	723	933	142	1820	3640	1730
31	372	---	---	1070	---	948	---	931	---	1830	3640	---
MAX	3040	1200	848	1230	1110	1230	1090	1930	1040	1870	3760	3540
MIN	372	293	139	960	273	265	526	646	117	187	2180	1730

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	20.0	14.0	6.0	8.0	7.0	16.0	22.0	27.0	30.0	31.0	30.0
2	---	19.0	13.0	5.0	9.0	10.0	15.0	21.0	26.0	30.0	30.0	30.0
3	26.0	20.0	14.0	4.0	9.0	11.0	16.0	22.0	27.0	30.0	30.0	30.0
4	25.0	19.0	13.0	4.0	10.0	10.0	17.0	22.0	27.0	29.0	32.0	31.0
5	24.0	19.0	13.0	5.0	9.0	10.0	17.0	21.0	26.0	30.0	31.0	29.0
6	23.0	19.0	9.0	4.0	10.0	10.0	18.0	22.0	26.0	30.0	32.0	29.0
7	22.0	19.0	10.0	5.0	9.0	11.0	17.0	22.0	26.0	29.0	31.0	29.0
8	21.0	18.0	10.0	3.0	10.0	12.0	15.0	23.0	27.0	30.0	31.0	29.0
9	22.0	20.0	11.0	3.0	6.0	12.0	16.0	23.0	26.0	30.0	32.0	30.0
10	23.0	20.0	11.0	4.0	5.0	13.0	15.0	24.0	27.0	31.0	32.0	29.0
11	23.0	18.0	11.0	3.0	4.0	11.0	18.0	24.0	26.0	31.0	32.0	30.0
12	29.0	19.0	9.0	3.0	5.0	13.0	16.0	23.0	27.0	30.0	33.0	29.0
13	24.0	18.0	8.0	3.0	6.0	12.0	17.0	24.0	26.0	32.0	32.0	29.0
14	23.0	19.0	8.0	4.0	6.0	14.0	17.0	24.0	28.0	32.0	32.0	28.0
15	24.0	18.0	6.0	4.0	7.0	16.0	17.0	24.0	28.0	31.0	33.0	28.0
16	24.0	19.0	6.0	5.0	8.0	15.0	16.0	24.0	27.0	31.0	30.0	28.0
17	23.0	19.0	6.0	4.0	8.0	14.0	18.0	24.0	28.0	30.0	31.0	29.0
18	24.0	18.0	7.0	3.0	9.0	15.0	18.0	24.0	28.0	31.0	32.0	28.0
19	23.0	16.0	7.0	---	10.0	14.0	18.0	24.0	29.0	32.0	32.0	29.0
20	23.0	15.0	6.0	---	9.0	13.0	18.0	24.0	30.0	32.0	31.0	28.0
21	26.0	17.0	4.0	9.0	9.0	12.0	19.0	25.0	30.0	32.0	30.0	29.0
22	23.0	16.0	6.0	7.0	8.0	12.0	19.0	25.0	29.0	30.0	30.0	28.0
23	23.0	18.0	5.0	6.0	8.0	13.0	19.0	25.0	28.0	30.0	30.0	27.0
24	22.0	18.0	4.0	7.0	9.0	14.0	19.0	24.0	29.0	31.0	31.0	27.0
25	24.0	17.0	4.0	7.0	9.0	14.0	20.0	26.0	30.0	32.0	31.0	28.0
26	22.0	16.0	4.0	7.0	9.0	15.0	21.0	25.0	29.0	31.0	30.0	27.0
27	23.0	17.0	5.0	6.0	10.0	14.0	21.0	25.0	28.0	32.0	30.0	28.0
28	20.0	15.0	4.0	5.0	8.0	15.0	21.0	25.0	28.0	31.0	30.0	28.0
29	21.0	14.0	4.0	7.0	---	16.0	22.0	24.0	28.0	31.0	30.0	28.0
30	21.0	15.0	---	6.0	---	16.0	22.0	24.0	29.0	32.0	30.0	27.0
31	20.0	---	---	7.0	---	15.0	---	26.0	---	31.0	30.0	---
MAX	29.0	20.0	14.0	9.0	10.0	16.0	22.0	26.0	30.0	32.0	33.0	31.0
MIN	20.0	14.0	4.0	3.0	4.0	7.0	15.0	21.0	26.0	29.0	30.0	27.0

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft upstream from dam on Bayou D'Arbonne, and 2.0 mi northeast of Aycock.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--1962 (one discharge measurement). February 1968 to current year (gage heights and miscellaneous discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft, gage datum, capacity, 100,000 acre-ft to 9.0 ft, gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft May 5, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.22 ft Dec. 12; minimum 8.36 ft Oct. 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.52	9.96	9.72	9.47	9.35	9.44	9.39	9.47	9.47	9.71	8.97	8.47
2	8.49	9.90	9.73	9.46	9.36	9.42	9.37	9.55	9.45	9.66	8.97	8.46
3	8.48	9.85	9.68	9.45	9.36	9.42	9.35	9.52	9.43	9.61	8.92	8.55
4	8.47	9.78	9.60	9.44	9.69	9.41	9.34	9.50	9.40	9.56	8.90	8.61
5	8.46	9.72	9.56	9.43	9.94	9.40	9.34	9.46	9.40	9.52	8.87	8.64
6	8.43	9.67	9.54	9.41	10.09	9.39	9.34	9.44	9.42	9.47	8.84	8.88
7	8.42	9.63	9.53	9.42	10.01	9.38	9.34	9.42	9.43	9.44	8.82	8.89
8	8.40	9.58	9.50	9.42	9.96	9.37	9.32	9.40	9.43	9.42	8.81	8.89
9	8.39	9.53	9.48	9.40	9.94	9.37	9.30	9.44	9.50	9.39	8.79	8.87
10	8.39	9.51	9.67	9.40	9.90	9.35	9.30	9.38	9.58	9.36	8.77	8.87
11	8.40	9.51	10.03	9.39	9.89	9.35	9.28	9.36	9.63	9.33	8.78	8.86
12	8.39	9.49	10.19	9.39	9.85	9.51	9.58	9.35	9.66	9.30	8.78	8.86
13	8.38	9.48	10.14	9.39	9.80	9.58	9.62	9.34	9.62	9.27	8.76	8.84
14	8.39	9.46	10.07	9.39	9.76	9.60	9.62	9.32	9.57	9.26	8.74	8.83
15	8.46	9.44	9.98	9.37	9.73	9.57	9.60	9.34	9.53	9.25	8.72	8.81
16	8.45	9.45	9.92	9.37	9.70	9.65	9.55	9.26	9.49	9.23	8.71	8.80
17	8.43	9.44	9.89	9.38	9.69	9.66	9.48	9.24	9.45	9.21	8.71	8.80
18	8.43	9.43	9.88	9.38	9.65	9.64	9.46	9.44	9.43	9.20	8.71	8.78
19	8.51	9.44	9.82	9.38	9.63	9.65	9.44	9.43	9.40	9.18	8.69	8.77
20	8.94	9.43	9.77	9.37	9.61	9.61	9.69	9.42	9.37	9.16	8.68	8.76
21	9.00	9.41	9.72	9.37	9.59	9.57	9.73	9.39	9.34	9.14	8.66	8.78
22	9.03	9.39	9.68	9.37	9.56	9.53	9.69	9.36	9.32	9.14	8.61	8.77
23	9.09	9.38	9.67	9.36	9.53	9.51	9.63	9.34	9.30	9.13	8.61	8.76
24	9.11	9.50	9.64	9.35	9.52	9.50	9.60	9.31	9.33	9.11	8.61	8.75
25	9.12	9.64	9.60	9.38	9.50	9.48	9.57	9.35	9.32	9.10	8.61	8.73
26	9.12	9.67	9.55	9.42	9.49	9.46	9.53	9.49	9.29	9.08	8.59	8.73
27	9.11	9.67	9.53	9.39	9.49	9.45	9.49	9.47	9.30	9.07	8.58	8.71
28	9.20	9.70	9.51	9.37	9.46	9.44	9.55	9.54	9.52	9.05	8.59	8.73
29	9.42	9.65	9.50	9.36	---	9.42	9.52	9.54	9.69	9.03	8.55	8.71
30	9.69	9.62	9.49	9.36	---	9.41	9.48	9.51	9.72	9.01	8.52	8.69
31	9.95	---	9.49	9.35	---	9.40	---	9.48	---	8.99	8.50	---
MAX	9.95	9.96	10.19	9.47	10.09	9.66	9.73	9.55	9.72	9.71	8.97	8.89
MIN	8.38	9.38	9.48	9.35	9.35	9.35	9.28	9.24	9.29	8.99	8.50	8.46

07364890 BAYOU D'ARBONNE NEAR HICO, LA

LOCATION.--Lat 32°42'00", long 92°44'35", on line between secs. 25 and 26, T.20 N., R.4 W., Lincoln Parish, Hydrologic Unit 08040206, in center of low-water channel on the downstream side of the bridge on Parish Road 271, 3.6 mi southwest of Hico.

DRAINAGE AREA.--254 mi².

PERIOD OF RECORD.--March 1980 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 110 ft, from topographic map.

REMARKS.--Estimated daily discharge: Sept. 30. Flow regulated by Lake Claiborne (station 07364840), 10 mi upstream.

AVERAGE DISCHARGE.--6 years (water years 1981-86) 193 ft³/s, 139,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft³/s Dec. 27, 1982, gage height, 15.74 ft; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,320 ft³/s Dec. 13, gage height, 11.73 ft; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.54	1120	575	175	73	136	105	161	150	269	.00	.00
2	.32	906	840	163	74	123	94	295	145	239	.00	.00
3	.22	627	831	155	78	119	85	364	125	206	.00	.00
4	.11	498	514	149	393	112	73	253	110	171	.00	.00
5	.00	401	385	144	747	106	65	201	102	134	.00	1.2
6	.00	328	334	134	839	100	61	168	127	105	.00	3.3
7	.00	268	290	126	806	91	59	145	203	85	.00	1.7
8	.00	230	258	130	724	82	57	128	396	70	.00	1.0
9	.00	195	241	121	632	76	52	114	439	60	.00	.45
10	.00	166	221	116	588	73	45	106	675	47	.00	.05
11	.00	153	408	115	563	77	37	97	663	37	.00	.00
12	.00	143	962	108	525	569	525	87	559	29	.00	.00
13	.00	131	1270	104	474	997	752	77	396	21	.00	.00
14	1.1	120	1230	99	428	1040	484	67	293	13	.00	.00
15	5.7	109	1100	97	387	610	315	57	231	9.0	.00	.00
16	9.6	102	969	91	351	542	255	45	192	6.6	.00	.00
17	6.8	104	821	89	324	651	207	46	158	5.5	.00	.00
18	3.9	93	675	94	303	580	174	159	138	4.5	.00	.00
19	4.9	89	562	99	276	690	164	233	116	3.8	.00	.00
20	30	95	485	99	255	528	651	192	94	2.9	.00	.00
21	33	92	421	90	240	371	813	129	76	1.9	.00	.00
22	12	74	369	89	220	300	564	104	64	1.5	.00	.00
23	8.5	63	333	84	203	263	380	90	54	1.8	.00	.00
24	16	163	304	75	192	238	302	72	46	2.4	.00	.00
25	11	588	278	80	179	215	256	70	53	1.9	.00	.00
26	8.0	653	248	108	165	195	222	122	48	.93	.00	.00
27	8.1	465	225	121	160	178	194	173	46	.35	.00	.00
28	19	422	212	98	152	162	214	209	105	.02	.00	.00
29	173	395	199	85	---	146	233	254	241	.00	.00	.00
30	704	336	189	80	---	131	189	192	293	.00	.00	.00
31	1000	---	180	74	---	118	---	156	---	.00	.00	---
TOTAL	2055.79	9129	15929	3392	10351	9619	7627	4566	6338	1529.10	.00	7.70
MEAN	66.3	304	514	109	370	310	254	147	211	49.3	.00	.26
MAX	1000	1120	1270	175	839	1040	813	364	675	269	.00	3.3
MIN	.00	63	180	74	73	73	37	45	46	.00	.00	.00
AC-FT	4080	18110	31600	6730	20530	19080	15130	9060	12570	3030	.00	15
CAL YR 1985	TOTAL	90792.42	MEAN	249	MAX	2310	MIN	.00	AC-FT	180100		
WTR YR 1986	TOTAL	70543.59	MEAN	193	MAX	1270	MIN	.00	AC-FT	139900		

07364890 BAYOU D'ARBONNE NEAR HICO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.76	11.07	7.52	3.47	2.08	2.95	2.76	3.44	3.26	4.75	.48	.47
2	.73	9.89	9.47	3.31	2.10	2.76	2.62	4.99	3.17	4.39	.48	.47
3	.66	8.01	9.41	3.22	2.16	2.72	2.50	5.74	2.87	3.98	.48	.47
4	.58	6.97	7.09	3.13	5.78	2.62	2.31	4.55	2.64	3.54	.48	.47
5	.39	6.11	5.96	3.07	8.85	2.53	2.20	3.91	2.52	3.12	.47	.56
6	.20	5.38	5.44	2.92	9.46	2.45	2.14	3.50	2.90	2.76	.46	.73
7	.17	4.73	4.98	2.81	9.26	2.33	2.10	3.19	3.93	2.49	.46	.66
8	.16	4.28	4.62	2.87	8.70	2.21	2.06	2.92	6.06	2.27	.47	.62
9	.16	3.84	4.41	2.75	8.04	2.13	1.98	2.70	6.44	2.12	.47	.57
10	.16	3.49	4.17	2.67	7.72	2.08	1.85	2.59	8.36	1.90	.47	.53
11	.16	3.34	5.96	2.66	7.54	2.14	1.71	2.43	8.28	1.70	.47	.53
12	.16	3.22	10.23	2.57	7.20	7.21	6.85	2.27	7.48	1.51	.47	.53
13	.16	3.07	11.57	2.51	6.75	10.44	8.89	2.09	6.05	1.34	.47	.53
14	.36	2.94	11.46	2.45	6.36	10.63	6.82	1.91	5.00	1.14	.47	.53
15	.90	2.80	10.98	2.42	5.98	7.84	5.24	1.70	4.29	.98	.47	.53
16	1.09	2.72	10.29	2.34	5.62	7.33	4.57	1.49	3.79	.87	.47	.53
17	.93	2.74	9.34	2.31	5.34	8.19	3.99	1.51	3.37	.82	.47	.53
18	.75	2.61	8.35	2.37	5.11	7.64	3.58	3.32	3.07	.77	.47	.53
19	.80	2.55	7.52	2.44	4.83	8.47	3.48	4.32	2.73	.73	.47	.53
20	1.55	2.62	6.85	2.45	4.59	7.21	8.13	3.80	2.38	.68	.47	.53
21	1.73	2.59	6.29	2.32	4.39	5.82	9.30	2.94	2.07	.63	.47	.53
22	1.11	2.33	5.80	2.31	4.10	5.08	7.49	2.55	1.84	.61	.47	.53
23	.94	2.17	5.43	2.24	3.86	4.68	5.90	2.32	1.64	.63	.47	.53
24	1.24	3.42	5.13	2.11	3.69	4.38	5.10	1.99	1.50	.65	.47	.53
25	1.05	7.68	4.84	2.18	3.52	4.09	4.60	1.95	1.64	.63	.47	.53
26	.87	8.19	4.49	2.56	3.34	3.83	4.18	2.81	1.55	.57	.47	.53
27	.86	6.68	4.17	2.75	3.27	3.62	3.82	3.57	1.50	.53	.47	.53
28	1.26	6.31	3.99	2.43	3.17	3.44	4.08	4.01	2.52	.50	.47	.53
29	3.60	6.06	3.80	2.25	---	3.25	4.32	4.57	4.40	.49	.47	.53
30	8.68	5.46	3.65	2.18	---	3.08	3.75	3.80	5.01	.48	.47	---
31	10.52	---	3.53	2.10	---	2.92	---	3.34	---	.48	.47	---
MAX	10.52	11.07	11.57	3.47	9.46	10.63	9.30	5.74	8.36	4.75	.48	.73
MIN	.16	2.17	3.53	2.10	2.08	2.08	1.71	1.49	1.50	.48	.46	.47

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in NW 1/4 sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi east of Lillie, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--208 mi².

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft above National Geodetic Vertical Datum of 1929. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956, to May 31, 1978, water-stage recorder, at site 500 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Oct. 14-21. Records good, except those for period of indefinite stage-discharge relationship, Oct. 14-21, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--31 years, 187 ft³/s, 12.21 in/yr, 135,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft³/s June 9, 1974, gage height, 17.54 ft, from flood-mark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 27	1200	1260	7.66	Feb. 7	0500	1650	8.09
Dec. 13	2100	2440	8.74	June 29	1700	*7750	*11.08

Minimum discharge, .19 ft³/s Aug. 8; minimum gage height, 1.64 ft Aug. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	692	424	61	50	47	40	187	45	2170	2.6	1.2
2	17	730	349	60	50	46	38	544	36	1010	2.7	1.2
3	12	772	285	58	51	46	36	223	28	579	2.0	12
4	9.0	626	337	58	250	46	35	68	25	268	1.1	20
5	8.0	393	480	58	767	45	37	44	24	62	.56	15
6	6.0	166	422	57	1190	44	39	34	40	39	.32	27
7	4.0	57	278	56	1520	42	41	29	74	29	.23	38
8	3.5	41	137	58	1000	40	45	24	91	23	.23	32
9	3.1	34	90	59	719	38	68	20	239	19	.27	17
10	3.5	30	78	60	615	39	69	18	346	16	.26	10
11	4.0	29	264	58	478	38	62	16	343	13	2.0	4.8
12	5.0	29	871	57	338	165	347	17	323	12	3.0	3.8
13	7.0	31	2010	55	244	408	701	20	223	9.8	.66	2.8
14	7.4	31	1960	52	192	552	539	23	58	7.9	2.7	2.9
15	6.6	33	1120	51	167	698	404	26	28	6.9	2.6	2.4
16	6.0	35	757	49	139	782	341	26	17	6.3	5.5	2.1
17	7.0	43	558	49	118	659	191	33	11	4.9	13	2.1
18	13	121	400	52	105	483	68	60	6.6	3.2	11	16
19	24	209	279	60	95	435	55	61	4.0	1.6	9.2	36
20	50	270	160	72	86	392	283	51	2.4	1.6	14	18
21	86	298	109	72	78	299	443	41	3.4	1.6	14	9.3
22	353	248	91	65	69	224	429	34	4.8	2.2	13	35
23	882	127	84	57	66	128	566	28	6.0	2.2	15	71
24	566	125	80	51	60	79	546	27	13	4.4	35	59
25	280	285	74	65	55	64	314	33	17	6.9	35	31
26	65	423	68	116	53	57	92	105	23	7.7	28	17
27	35	1150	64	106	53	53	53	197	42	11	9.0	11
28	42	1050	65	81	51	50	51	498	349	11	2.6	7.0
29	149	763	64	65	---	49	51	263	5270	8.2	2.8	6.4
30	478	548	63	59	---	46	42	146	5040	5.0	1.7	10
31	710	---	61	53	---	44	---	69	---	2.8	1.9	---
TOTAL	3863.1	9389	12082	1930	8659	6138	6026	2965	12732.2	4345.2	231.93	521.0
MEAN	125	313	390	62.3	309	198	201	95.6	424	140	7.48	17.4
MAX	882	1150	2010	116	1520	782	701	544	5270	2170	35	71
MIN	3.1	29	61	49	50	38	35	16	2.4	1.6	.23	1.2
CF SM	.60	1.50	1.87	.30	1.49	.95	.97	.46	2.04	.67	.04	.08
IN.	.69	1.68	2.16	.35	1.55	1.10	1.08	.53	2.28	.78	.04	.09
AC-FT	7660	18620	23960	3830	17180	12170	11950	5880	25250	8620	460	1030

CAL YR 1985	TOTAL	66928.9	MEAN	183	MAX	2010	MIN	2.3	CF SM	.88	IN.	11.97	AC-FT	132800
WTR YR 1986	TOTAL	68882.43	MEAN	189	MAX	5270	MIN	.23	CF SM	.91	IN.	12.32	AC-FT	136600

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.80	6.85	6.31	4.29	4.08	3.93	3.76	4.63	3.97	8.13	2.57	1.97
2	3.65	6.92	6.10	4.27	4.07	3.89	3.70	6.50	3.78	7.18	2.59	1.97
3	3.22	6.99	5.86	4.24	4.10	3.89	3.67	5.44	3.61	6.54	2.48	2.59
4	2.91	6.72	6.04	4.23	5.50	3.89	3.63	4.30	3.55	5.67	2.26	3.09
5	2.73	6.23	6.42	4.23	6.94	3.86	3.68	3.84	3.56	4.34	2.06	2.92
6	2.66	5.30	6.28	4.21	7.55	3.83	3.74	3.61	3.98	3.94	1.89	3.29
7	2.65	4.36	5.81	4.19	7.95	3.79	3.77	3.47	4.66	3.72	1.79	3.61
8	2.79	4.04	5.11	4.23	7.32	3.75	3.87	3.32	4.87	3.56	1.72	3.44
9	3.07	3.84	4.73	4.25	6.86	3.70	4.32	3.20	5.72	3.44	1.69	2.99
10	3.28	3.75	4.57	4.27	6.65	3.72	4.33	3.13	6.15	3.32	1.65	2.70
11	3.47	3.72	5.50	4.23	6.36	3.71	4.21	3.09	6.14	3.24	1.91	2.41
12	3.55	3.71	7.10	4.21	5.98	5.01	5.86	3.08	6.09	3.16	2.27	2.32
13	3.64	3.77	8.39	4.17	5.60	6.19	6.83	3.18	5.71	3.08	1.83	2.21
14	3.76	3.77	8.35	4.11	5.37	6.52	6.49	3.30	4.53	2.99	2.27	2.23
15	4.02	3.83	7.48	4.10	5.23	6.82	6.19	3.38	3.93	2.94	2.28	2.15
16	4.11	3.88	6.94	4.06	5.05	6.99	5.99	3.38	3.61	2.91	2.41	2.11
17	4.11	4.08	6.55	4.05	4.89	6.74	5.30	3.57	3.41	2.82	2.71	2.10
18	4.12	5.06	6.21	4.12	4.77	6.38	4.30	4.17	3.21	2.67	2.79	2.73
19	4.23	5.59	5.79	4.26	4.67	6.28	4.08	4.19	3.05	2.42	2.67	3.50
20	4.59	5.83	5.24	4.46	4.57	6.16	5.73	4.01	2.91	2.42	2.96	2.96
21	4.87	5.94	4.88	4.46	4.47	5.83	6.29	3.78	3.03	2.40	2.93	2.61
22	6.18	5.74	4.70	4.36	4.33	5.51	6.26	3.61	3.19	2.52	2.92	3.38
23	7.15	5.11	4.62	4.21	4.27	4.95	6.55	3.45	3.28	2.52	2.97	4.17
24	6.60	5.07	4.57	4.10	4.18	4.47	6.51	3.40	3.39	2.75	3.58	3.96
25	5.83	5.88	4.49	4.32	4.09	4.24	5.86	3.55	3.41	2.92	3.58	3.34
26	4.44	6.30	4.40	4.94	4.05	4.13	4.60	4.70	3.45	2.96	3.38	2.90
27	3.88	7.52	4.33	4.85	4.04	4.05	4.04	5.37	3.77	3.11	2.68	2.66
28	4.03	7.39	4.35	4.58	4.01	3.98	4.01	6.40	5.76	3.10	2.27	2.46
29	5.21	6.97	4.34	4.35	---	3.96	3.99	5.68	9.76	2.98	2.28	2.43
30	6.40	6.56	4.32	4.25	---	3.90	3.79	5.12	9.84	2.80	2.11	2.60
31	6.88	---	4.29	4.14	---	3.84	---	4.38	---	2.60	2.13	---
MAX	7.15	7.52	8.39	4.94	7.95	6.99	6.83	6.50	9.84	8.13	3.58	4.17
MIN	2.65	3.71	4.29	4.05	4.01	3.70	3.63	3.08	2.91	2.40	1.65	1.97

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW 1/4 NW 1/4 sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi southwest of Farmerville, and 5.0 mi upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² at dam, 1,470 mi² at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WRD LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft at spillway crest, 39.60 ft, gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were open Oct. 1, 1985 - Jan. 17, 1986 and closed remainder of year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft Apr. 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 41.23 ft Mar. 18; minimum, 27.31 ft Oct. 9, observed.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.96	34.08	34.79	38.69	32.63	40.25	40.34	40.53	40.38	40.83	39.69	39.66
2	30.98	34.69	35.35	38.47	32.76	40.24	40.30	40.52	40.34	41.09	39.66	39.66
3	31.00	35.17	35.86	38.25	32.90	40.23	40.27	40.62	40.34	41.14	39.69	39.70
4	30.63	35.51	36.27	38.03	33.31	40.20	40.25	40.66	40.30	41.12	39.69	39.77
5	30.09	35.73	36.57	37.78	34.05	40.19	40.23	40.60	40.27	41.05	39.70	39.90
6	30.03	35.88	36.73	37.55	35.11	40.18	40.21	40.52	40.30	40.92	39.69	40.07
7	28.93	35.95	36.91	37.31	36.12	40.17	40.19	40.44	40.40	40.78	39.70	40.10
8	28.17	35.89	37.00	37.06	37.11	40.15	40.22	40.38	40.47	40.62	39.69	40.06
9	27.42	35.72	37.05	36.81	38.10	40.15	40.20	40.32	40.58	40.49	39.70	40.03
10	27.36	35.50	37.10	36.56	39.07	40.17	40.19	40.28	40.78	40.37	39.70	40.01
11	27.39	35.23	37.20	36.30	39.91	40.14	40.18	40.24	40.92	40.28	39.74	39.98
12	27.37	34.95	37.62	36.04	40.49	40.39	40.50	40.20	40.96	40.20	39.80	39.95
13	27.35	34.65	38.14	35.77	40.78	40.69	40.85	40.17	40.92	40.14	39.79	39.93
14	27.39	34.34	38.69	35.51	40.89	40.87	41.08	40.14	40.86	40.09	39.79	39.90
15	27.49	34.02	39.36	35.23	40.85	41.01	41.11	39.97	40.79	40.05	39.78	39.88
16	27.70	33.70	40.14	34.95	40.81	41.14	41.01	40.07	40.76	40.01	39.77	39.87
17	27.74	33.37	40.76	34.68	40.76	41.16	40.95	40.05	40.71	39.97	39.78	39.86
18	27.66	33.02	41.02	34.39	40.69	41.17	40.90	40.19	40.62	39.95	39.77	39.84
19	27.77	32.69	41.01	34.10	40.63	41.20	40.82	40.23	40.52	39.92	39.76	39.83
20	27.98	32.32	40.89	33.82	40.58	41.20	40.94	40.24	40.42	39.89	39.74	39.82
21	28.25	32.00	40.70	33.53	40.52	41.16	41.05	40.22	40.33	39.87	39.72	39.85
22	28.43	31.74	40.52	33.23	40.48	41.07	41.11	40.20	40.26	39.90	39.70	39.85
23	28.63	31.72	40.34	32.92	40.44	40.96	41.10	40.16	40.20	39.87	39.69	39.84
24	29.08	31.86	40.18	32.63	40.40	40.86	41.03	40.14	40.14	39.85	39.72	39.84
25	29.63	32.17	39.97	32.37	40.37	40.77	40.98	40.11	40.10	39.83	39.71	39.83
26	30.04	32.64	39.80	32.09	40.34	40.69	40.96	40.13	40.06	39.81	39.70	39.83
27	30.45	33.11	39.64	31.81	40.32	40.61	40.90	40.16	40.06	39.80	39.70	39.82
28	30.81	33.51	39.47	31.97	40.25	40.53	40.84	40.30	40.11	39.78	39.76	39.81
29	31.26	33.86	39.28	32.17	---	40.47	40.73	40.36	40.26	39.76	39.72	39.80
30	32.33	34.27	39.09	32.33	---	40.41	40.62	40.43	40.43	39.74	39.70	39.78
31	33.30	---	38.89	32.49	---	40.36	---	40.41	---	39.71	39.68	---
MAX	33.30	35.95	41.02	38.69	40.89	41.20	41.11	40.66	40.96	41.14	39.80	40.10
MIN	27.35	31.72	34.79	31.81	32.63	40.14	40.18	39.97	40.06	39.71	39.66	39.66

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE 1/4 NE 1/4 lot 43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi north of Sherrouse School at Monroe, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 40.41 ft Jan. 2, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 32.85 ft Oct. 30; minimum 30.50 ft May 15.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.97	32.05	31.73	31.50	31.19	31.02	30.62	30.98	31.02	31.58	30.84	30.59
2	30.91	31.72	31.49	31.48	31.01	31.00	30.63	31.32	30.90	31.35	30.81	30.59
3	30.89	31.48	31.30	31.46	30.91	30.99	30.62	31.22	30.91	31.24	30.86	30.86
4	30.82	31.21	31.17	31.45	31.78	30.97	30.63	30.85	31.00	31.20	30.82	31.09
5	30.83	31.06	31.11	31.43	31.51	31.14	30.60	30.68	31.14	31.16	30.80	30.96
6	30.82	31.02	31.07	31.39	31.70	31.03	30.61	30.57	31.57	31.13	30.81	31.34
7	30.77	30.95	31.13	31.39	31.55	31.05	30.57	30.57	31.50	31.08	30.79	31.17
8	30.81	30.93	31.12	31.37	31.27	31.00	30.71	30.60	31.36	31.05	30.76	31.01
9	30.81	30.89	31.11	31.21	31.08	30.90	30.68	30.55	31.25	31.01	30.77	30.88
10	30.81	30.86	31.10	30.99	31.02	30.81	30.65	30.54	31.24	30.98	30.77	30.79
11	30.82	30.86	31.09	30.94	30.97	30.78	30.59	30.56	32.17	30.97	31.12	30.67
12	30.82	30.84	31.86	30.92	30.91	31.48	31.76	30.54	31.78	30.94	30.96	30.69
13	30.82	30.85	32.17	30.85	30.87	31.31	31.77	30.52	31.64	30.80	30.87	30.64
14	30.80	30.82	31.94	31.19	30.91	31.17	31.46	30.53	31.52	30.76	30.86	30.63
15	31.00	30.83	31.91	31.28	30.88	31.03	31.15	30.52	31.25	30.77	30.89	30.62
16	31.03	30.85	31.89	31.19	30.85	31.04	30.94	30.52	31.00	30.76	30.85	30.64
17	30.95	30.84	31.82	31.03	30.86	30.96	31.01	30.54	30.84	30.76	30.88	30.63
18	30.95	30.86	31.78	30.94	30.88	30.92	30.99	30.65	30.69	30.75	30.80	31.00
19	31.07	30.83	31.72	30.90	31.00	30.99	30.85	30.61	30.70	30.72	30.75	30.87
20	31.65	30.81	31.68	30.85	31.04	30.92	32.02	30.57	30.66	30.72	30.74	30.75
21	31.21	30.79	31.70	30.95	31.06	30.83	31.72	30.57	30.85	30.68	30.65	30.73
22	30.99	30.76	31.68	30.88	31.05	30.79	31.37	30.57	30.84	31.40	30.64	31.21
23	30.94	30.72	31.67	31.26	31.06	30.78	31.26	30.58	30.83	31.15	30.63	31.09
24	31.26	30.93	31.66	31.39	31.05	30.71	31.11	30.54	30.98	31.01	30.63	30.99
25	31.13	31.06	31.64	31.39	31.04	30.72	30.99	30.99	31.41	30.84	30.64	30.92
26	30.98	30.97	31.61	31.27	31.02	30.65	30.84	31.67	31.28	30.81	30.61	30.85
27	30.93	30.94	31.56	31.21	31.02	30.68	30.77	31.46	31.01	30.83	30.61	30.78
28	31.68	31.21	31.50	31.43	31.07	30.67	30.76	31.65	31.72	30.79	30.84	30.72
29	31.76	31.12	31.46	31.16	---	30.66	30.78	31.58	31.82	30.77	30.70	30.69
30	32.82	31.06	31.43	31.30	---	30.64	30.84	31.30	31.70	30.70	30.61	30.69
31	32.55	---	31.47	31.43	---	30.62	---	31.15	---	30.75	30.61	---
MAX	32.82	32.05	32.17	31.50	31.78	31.48	32.02	31.67	32.17	31.58	31.12	31.34
MIN	30.77	30.72	31.07	30.85	30.85	30.62	30.57	30.52	30.66	30.68	30.61	30.59

07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE 1/4 and SE 1/4 sec.25, T.14 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi northwest of Riverton, and 4.0 mi northwest of Columbia.

DRAINAGE AREA.--15,630 mi².

PERIOD OF RECORD.--October 1975 to current year. Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

REVISED.--WDR LA-81-1: 1981(M).

GAGE.--Water-stage and gage-position recorders, a broad-crested weir and four radial gates. Datum of gage is 23.88 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to October 1981 water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Estimated daily discharges: Oct. 20-28, Dec. 14-17, 19-21, 25 to Jan. 6, Mar. 13-31, Apr. 21, July 6-16, and July 21 to Aug. 27. Records fair. Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft, and a series of navigation locks and dams.

AVERAGE DISCHARGE.--11 years, 17,700 ft³/s, 12,790,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,700 ft³/s, Jan. 10, 1983, tailwater gage height, 44.82 ft, minimum daily, 452 ft³/s Oct. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 35,600 ft³/s, Dec. 24; maximum tailwater gage height, 27.29 ft Dec. 24; minimum daily, 1,040 ft³/s Oct. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	18200	17600	31000	2440	19200	8600	28200	3150	22200	1500	1990
2	1150	20200	18600	30000	2190	16900	3390	28400	2950	24100	2000	1400
3	1120	21100	19200	29500	2240	15200	2770	27900	3340	26100	2100	1230
4	1220	21600	19000	29000	3730	13600	2460	27500	3600	26400	1900	1770
5	1350	21600	19700	28500	12300	11400	2640	27200	5730	27300	2000	1760
6	1260	21700	20000	28200	15200	8470	2950	26800	10700	28000	2100	2620
7	1190	22500	19900	27900	18300	3070	5220	27100	13300	29000	2000	2330
8	1170	21100	20000	25000	20000	2560	10600	27400	14600	30000	2000	2380
9	1230	19400	20000	21400	21000	2420	12200	26500	16400	31000	2100	1930
10	1180	18000	19700	20200	22900	2240	13900	25600	17900	31000	2200	1220
11	1120	16300	20400	18200	25500	2340	14900	24600	20500	31000	2100	1410
12	1170	15100	22000	16700	27900	2330	18500	23200	22900	30000	2000	1510
13	1090	12500	27900	15200	27700	4000	19700	21500	24100	28000	2100	1760
14	1190	11700	29000	13100	27700	6000	20300	18600	23700	25000	2500	1890
15	1190	11700	30000	12400	27000	8000	21600	15300	22300	23000	2400	2130
16	1040	9480	31000	6950	27500	12000	22800	12500	22600	20700	2300	1220
17	1160	5510	32000	3950	28000	16000	23800	7170	22800	17000	2200	1320
18	1130	2780	33300	3560	28300	19000	24700	4220	22900	13800	2300	1800
19	1390	3070	33500	3510	28300	21000	25600	3150	23000	10800	2400	1790
20	6000	2920	34000	3410	28200	22000	28900	3180	23200	4060	2300	1900
21	7000	6250	34500	3320	27900	23000	28000	3710	23300	3700	2200	1950
22	11000	11300	35400	3250	27600	23000	27400	3900	23300	3000	2100	2320
23	12000	11500	35500	3110	27100	23000	27900	5290	23300	2800	2200	1820
24	11000	12000	35600	3120	27500	23000	28200	8230	21300	2500	2300	1220
25	10000	13100	35000	3350	25900	22000	28600	6260	22200	2300	2400	1160
26	7000	12600	34000	3190	24200	21000	28700	7600	21500	2100	2300	1280
27	2500	14600	33500	3370	22300	19000	28700	10400	20400	2100	2400	1170
28	1200	15600	33000	3210	20300	17000	28800	11000	19600	2000	2450	1210
29	10900	16300	32500	2310	---	15000	28700	9260	20000	2000	2420	1120
30	13900	16400	32000	2090	---	12000	28400	3530	20700	1800	1990	1250
31	17100	---	31500	2490	---	10000	---	3180	---	1700	2360	---
TOTAL	132160	426110	859300	400490	599200	415730	568930	478380	535270	504460	67620	49860
MEAN	4263	14200	27720	12920	21400	13410	18960	15430	17840	16270	2181	1662
MAX	17100	22500	35600	31000	28300	23000	28900	28400	24100	31000	2500	2620
MIN	1040	2780	17600	2090	2190	2240	2460	3150	2950	1700	1500	1120
AC-FT	262100	845200	1704000	794400	1189000	824600	1128000	948900	1062000	1001000	134100	98900
CAL YR 1985	TOTAL	6810785	MEAN	18660	MAX	42100	MIN	966	AC-FT	13509000		
WTR YR 1986	TOTAL	5037510	MEAN	13800	MAX	35600	MIN	1040	AC-FT	9992000		

07367640 OUACHITA RIVER AT COLUMBIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°06'28", long 92°04'27", NE 1/4SE 1/4 sec. 17, T.13 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207 on downstream side of bridge on U.S. Highway 165 at Columbia, 2.1 mi downstream from Bayou de Chene, and 4.2 mi downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi², approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURES: October 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor October 1975 to April 1981.

REMARKS.--Water-quality monitor removed April 1981. Samples for daily temperature and specific conductance were collected by an observer May to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.

WATER TEMPERATURES: Maximum daily, 34.0°C, on several days in July and August 1981; minimum, 2.5°C Jan. 15, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 09...	1115	1230	202	6.40	24.0	10	2.0	7.9	1.2	64
DEC 18...	1000	—	125	6.50	8.0	60	21	10.0	2.1	—
FEB 27...	1545	22300	125	6.80	13.0	40	15	9.3	1.2	K6
APR 09...	1130	12200	191	6.20	21.0	—	13	—	—	K8
JUN 05...	1000	5730	158	6.80	28.0	70	30	7.7	3.2	K22
JUL 09...	0930	—	136	6.40	29.0	70	15	4.6	0.6	K7
AUG 29...	0945	2420	247	7.20	29.0	30	15	5.9	1.2	57

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 09...	K8	31	8.2	2.6	25	2.5	16	13	40	<0.1
DEC 18...	100	23	6.6	1.7	13	0.8	10	11	23	<0.1
FEB 27...	K60	23	6.3	1.8	13	1.8	13	12	18	<0.1
APR 09...	K28	30	8.2	2.3	22	2.2	—	17	33	<0.1
JUN 05...	K54	—	—	—	—	—	20	—	—	—
JUL 09...	K28	21	5.9	1.5	15	1.8	12	11	23	<0.1
AUG 29...	K6	34	9.4	2.5	32	2.2	26	22	43	<0.1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 09...	8.4	123	110	0.25	<0.01	<0.01	0.5	0.05	0.03	0.03
DEC 18...	7.7	85	69	0.11	0.07	0.06	0.6	0.06	0.02	0.02
FEB 27...	7.7	84	69	<0.10	0.05	0.06	0.7	0.06	0.03	0.01
APR 09...	7.5	118	97	0.10	—	0.16	1.6	0.27	0.04	0.03
JUN 05...	—	—	—	0.28	0.13	0.13	0.6	0.08	0.04	0.03
JUL 09...	7.6	92	73	0.12	0.08	0.07	0.6	0.06	0.04	0.02
AUG 29...	6.8	147	140	0.45	0.02	0.02	0.6	0.08	0.05	0.03

DATE	ALUM- INIUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 09...	30	<1	51	<0.5	<1	<1	<3	3	53	2
FEB 27...	100	<1	40	<0.5	<1	<1	<3	6	280	<1
APR 09...	100	<1	57	<0.5	<1	<1	<3	4	550	<1

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 09...	8	4	<0.1	<10	3	<1	<1	200	<6	<4
FEB 27...	<4	62	<0.1	<10	10	<1	<1	120	<6	13
APR 09...	<4	170	<0.1	<10	3	<1	<1	150	<6	7

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 09...	<0.9	<0.4	2.7	<0.7	2.3	<0.7	0.06	<0.1

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 09...	15	50	44
DEC 18...	43	—	77
FEB 27...	21	1260	95
APR 09...	21	692	100
JUL 09...	32	—	89
AUG 29...	17	111	89

< Actual value is known to be less than the value shown.

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE 1/4 NE 1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas - Louisiana State line, and 7.5 mi southwest of Kilbourne.

DRAINAGE AREA.--785 mi² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s only). October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder and electromagnetic flow meter. Datum of gage is 72.11 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft upstream. Prior to Oct. 1, 1978, datum 2.00 ft higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi downstream from base gage at datum 74.35 ft above National Geodetic Vertical Datum of 1929. No gage-height recorded below 1.57 ft. Below 1.57 ft May 3-9, June 20-29, July 12 to Aug. 10.

REMARKS.--Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft³/s, 689,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s Feb. 11, 1966; maximum gage height, 26.07 ft, present datum, Dec. 29, 1982; no flow at times in 1966, 1974, 1977, and 1978, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 24.8 ft present datum (from records of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.12 ft Nov. 1; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.47	22.08	8.53	5.13	5.30	5.04	4.68	1.61	---	2.16		5.05
2	4.45	21.63	11.57	5.12	5.23	5.03	4.58	1.57	---	2.37		5.65
3	4.41	19.69	8.73	5.10	5.19	4.99	4.52		---	3.51		6.29
4	4.41	14.56	6.82	5.00	5.51	4.93	4.45		3.90	7.04		6.03
5	4.43	7.78	6.15	5.08	7.27	4.88	4.39		---	5.99		6.00
6	4.42	6.47	5.85	5.09	9.70	4.81	4.34		---	5.33		5.87
7	4.39	6.07	5.66	5.10	9.04	4.80	4.30		---	5.01		5.70
8	4.37	5.82	5.54	5.16	7.62	4.86	4.31		---	4.54		5.57
9	4.35	5.66	5.45	5.21	6.36	4.89	4.40		---	3.70		5.38
10	4.31	5.56	5.34	5.15	6.29	4.82	4.50	---	---	2.96		5.24
11	4.24	5.49	8.43	5.09	6.18	4.91	4.44	---	---	2.00	2.58	5.12
12	4.19	5.46	18.59	5.09	5.83	5.16	4.38	---	---		3.11	5.05
13	4.19	5.38	20.00	5.14	5.65	6.67	4.30	---	6.78		3.80	5.00
14	4.25	5.31	17.52	5.21	5.60	6.61	4.25	---	5.78		3.92	4.87
15	5.17	5.28	10.06	5.23	5.48	5.87	4.14	---	5.37		3.68	4.76
16	5.36	5.41	6.86	5.24	5.43	5.56	3.78	---	4.96		3.80	4.66
17	5.24	6.04	6.24	5.29	5.43	5.40	2.98	---	4.16		4.56	4.62
18	5.11	6.79	5.99	5.32	5.35	5.33	2.40	---	3.12		4.99	4.59
19	5.03	7.06	5.80	5.32	5.27	5.44	1.69	---	1.99		5.18	4.60
20	6.75	6.74	5.66	5.27	5.19	5.42	1.78	---			5.08	4.59
21	9.21	6.19	5.54	5.28	5.14	5.66	2.79	---			4.94	4.60
22	9.36	5.76	5.46	5.29	5.13	5.41	3.06	---			4.73	4.58
23	9.30	5.49	5.41	5.31	5.09	5.29	3.06	---			4.57	4.54
24	8.53	5.66	5.35	5.32	5.07	5.21	2.99	---			4.59	4.48
25	6.68	6.47	5.27	5.26	5.04	5.11	2.95	---			4.25	4.43
26	5.90	6.42	5.21	5.27	5.00	5.04	2.85	---			3.96	4.42
27	5.70	6.28	5.20	5.28	5.01	4.94	2.54	---			4.05	4.38
28	6.88	7.26	5.18	5.26	5.06	4.88	2.42	---			4.53	4.35
29	8.67	6.57	5.17	5.31	---	4.77	2.34	---			5.27	4.32
30	14.66	6.00	5.16	5.34	---	4.68	1.93	---	1.57		5.17	4.28
31	21.31	---	5.15	5.39	---	4.69	---	---	---		5.11	---
MAX	21.31	22.08	20.00	5.39	9.70	6.67	4.68	---	---	7.04	5.27	6.29
MIN	4.19	5.28	5.15	5.00	5.00	4.68	1.69	---	---	---	---	4.28

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 08...	1000	810	7.30	19.0	5	7.0	8.1	1.4	K5
JAN 08...	1145	261	7.50	5.0	60	130	11.0	1.4	K19
APR 08...	1145	351	7.60	25.0	30	75	12.7	7.2	K14
JUL 08...	1200	331	7.60	33.5	60	130	5.7	1.0	32

DATE	100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER CAC03)	HARDNESS (MG/L AS CA)	CALCIUM DIS-SOLVED (MG/L AS MG)	MAGNESIUM, DIS-SOLVED (MG/L AS NA)	SODIUM, DIS-SOLVED (MG/L AS K)	POTASSIUM, DIS-SOLVED (MG/L CAC03)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS S04)	SULFATE DIS-SOLVED (MG/L)
OCT 08...		27	260	63	25	64	4.3	195	39
JAN 08...		95	86	22	7.5	18	4.0	70	16
APR 08...		540	110	29	10	22	3.9	89	24
JUL 08...		100	89	19	10	26	3.4	69	17

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 08...	110	0.2	11	478	430	0.01	0.48	0.10
JAN 08...	28	0.1	9.3	153	150	0.28	1.0	0.28
APR 08...	36	0.1	8.4	202	190	0.68	1.9	0.25
JUL 08...	44	0.2	—	180	—	1.2	0.52	0.17

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED IN BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED IN BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED IN BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED IN BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 08...	2	<1	<1	<1	3	<1	2	3	<3	4700	<5

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 08...	<10	6	170	<0.1	<0.01	<3	17	5.7	<0.01	4	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 08...	<1	<0.1	<1	<0.01	<0.1	<0.1	<1	<0.01	6.1	<0.01	8.3
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<0.01	1	<0.01	<0.1	<0.01	0.1	<0.01	<0.1	<0.01	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 08...	<0.1	<1	<1	<10	<0.01	<0.1	0.06	<0.01	0.1	<0.01	

< Actual value is known to be less than the value shown.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	820	87	10	12	13	7.5	7.3	83	27	2.0	2.3
2	8.0	917	92	9.9	13	13	7.8	13	54	20	1.7	2.4
3	8.2	941	172	9.5	13	13	7.7	9.1	37	13	1.5	2.7
4	7.9	898	215	9.2	16	12	7.8	7.5	40	11	1.5	4.5
5	7.6	784	165	8.9	18	13	7.6	7.0	47	10	2.1	19
6	7.2	559	105	9.1	20	12	7.4	6.2	48	9.1	2.2	34
7	6.8	340	73	9.0	23	12	7.2	5.5	54	8.8	2.1	36
8	6.4	222	52	8.2	71	12	7.8	5.4	48	7.9	3.1	32
9	6.2	131	39	8.4	91	12	9.0	5.2	45	7.2	4.4	25
10	6.0	82	31	8.7	71	13	9.7	5.4	62	6.8	5.2	18
11	5.8	57	82	9.0	51	12	8.4	5.8	193	6.3	11	13
12	5.8	48	172	9.3	39	19	60	5.8	341	5.2	41	12
13	5.8	39	462	9.3	32	19	98	6.0	335	4.7	51	9.2
14	6.0	32	668	9.8	28	16	79	6.4	245	4.5	39	7.4
15	8.3	28	705	9.3	23	15	53	6.6	148	3.5	25	6.0
16	9.3	28	579	9.7	20	16	36	6.5	85	2.9	16	5.0
17	9.0	25	363	16	18	17	25	6.8	54	2.5	14	4.4
18	9.7	23	227	28	17	17	18	7.7	36	3.3	11	3.9
19	16	22	133	26	16	16	15	7.8	24	3.1	9.5	4.6
20	88	19	80	22	15	14	26	7.7	18	3.2	8.3	5.9
21	95	19	55	20	14	14	27	7.9	15	4.0	7.3	6.1
22	111	26	40	17	13	13	34	8.3	13	6.2	6.5	5.9
23	125	31	33	15	13	13	28	8.2	11	5.5	5.6	5.4
24	162	30	27	14	13	12	22	19	11	3.7	4.3	5.4
25	187	27	22	14	13	10	17	59	9.7	3.9	3.3	6.8
26	155	24	19	14	14	9.1	15	92	9.0	5.5	3.8	9.0
27	112	25	16	13	14	8.5	12	172	9.1	5.8	3.7	8.4
28	150	36	14	13	14	8.2	9.9	274	37	5.7	3.7	7.8
29	251	45	13	12	---	8.1	7.8	294	43	5.2	3.3	7.2
30	440	56	12	12	---	7.9	7.0	228	33	4.5	2.9	6.8
31	633	---	11	12	---	7.8	---	139	---	3.4	2.6	---
TOTAL	2657.1	6334	4764	395.3	715	397.6	677.6	1440.1	2187.8	213.4	298.6	316.1
MEAN	85.7	211	154	12.8	25.5	12.8	22.6	46.5	72.9	6.88	9.63	10.5
MAX	633	941	705	28	91	19	98	294	341	27	51	36
MIN	5.8	19	11	8.2	12	7.8	7.0	5.2	9.0	2.5	1.5	2.3
AC-FT	5270	12560	9450	784	1420	789	1340	2860	4340	423	592	627
CAL YR 1985		TOTAL	31257.0	MEAN	85.6							
WTR YR 1986		TOTAL	20396.6	MEAN	55.9							
						MAX	941	MIN	4.3	AC-FT	62000	
						MAX	941	MIN	1.5	AC-FT	40460	

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.74	11.05	5.17	3.77	3.81	3.83	3.60	3.68	5.18	4.12	3.27	3.29
2	3.74	11.60	5.33	3.76	3.82	3.83	3.60	3.90	4.67	3.94	3.24	3.30
3	3.76	11.77	6.02	3.74	3.83	3.82	3.61	3.76	4.32	3.76	3.22	3.32
4	3.74	11.59	6.39	3.73	3.94	3.81	3.61	3.70	4.39	3.68	3.22	3.40
5	3.73	10.95	6.04	3.72	3.97	3.82	3.60	3.67	4.58	3.65	3.27	3.92
6	3.70	9.56	5.47	3.73	4.04	3.80	3.60	3.65	4.73	3.60	3.29	4.27
7	3.68	7.96	4.99	3.72	4.11	3.79	3.59	3.63	5.05	3.58	3.28	4.31
8	3.65	6.80	4.65	3.69	4.92	3.78	3.62	3.62	4.77	3.55	3.34	4.23
9	3.65	5.91	4.42	3.70	5.18	3.78	3.67	3.61	4.60	3.51	3.40	4.07
10	3.64	5.24	4.26	3.71	4.95	3.80	3.70	3.61	4.79	3.50	3.43	3.89
11	3.62	4.80	5.07	3.72	4.65	3.79	3.65	3.61	6.31	3.48	3.65	3.75
12	3.62	4.57	6.58	3.74	4.42	3.99	4.78	3.60	7.57	3.44	4.39	3.72
13	3.63	4.42	8.68	3.74	4.28	3.99	5.40	3.60	7.59	3.41	4.59	3.60
14	3.65	4.29	10.02	3.76	4.20	3.91	5.15	3.61	6.87	3.40	4.35	3.52
15	3.80	4.19	10.35	3.73	4.10	3.88	4.75	3.61	5.99	3.36	4.08	3.47
16	3.87	4.19	9.68	3.75	4.03	3.90	4.40	3.59	5.22	3.33	3.85	3.43
17	3.85	4.13	8.26	3.96	3.99	3.93	4.16	3.60	4.67	3.31	3.77	3.40
18	3.89	4.09	6.98	4.27	3.94	3.94	4.01	3.63	4.29	3.35	3.69	3.38
19	4.15	4.05	6.01	4.22	3.92	3.92	3.94	3.62	4.04	3.34	3.62	3.41
20	5.56	3.98	5.32	4.13	3.89	3.86	4.20	3.61	3.89	3.34	3.56	3.47
21	5.63	3.98	4.85	4.06	3.85	3.84	4.23	3.61	3.81	3.38	3.52	3.47
22	5.69	4.15	4.55	3.99	3.82	3.82	4.38	3.62	3.74	3.47	3.49	3.46
23	5.87	4.26	4.37	3.95	3.82	3.81	4.26	3.61	3.68	3.45	3.45	3.45
24	6.36	4.24	4.24	3.91	3.80	3.77	4.12	3.84	3.67	3.37	3.40	3.45
25	6.46	4.18	4.13	3.92	3.82	3.71	4.01	4.73	3.62	3.38	3.35	3.50
26	6.14	4.10	4.05	3.90	3.85	3.66	3.95	5.13	3.59	3.45	3.38	3.59
27	5.74	4.13	3.99	3.86	3.85	3.64	3.87	5.94	3.60	3.46	3.37	3.57
28	6.45	4.37	3.92	3.85	3.84	3.63	3.78	6.97	4.26	3.46	3.37	3.54
29	7.31	4.52	3.89	3.84	---	3.63	3.69	7.14	4.44	3.44	3.35	3.51
30	8.70	4.72	3.85	3.81	---	3.62	3.66	6.67	4.25	3.41	3.33	3.50
31	9.94	---	3.81	3.81	---	3.61	---	5.89	---	3.35	3.31	---
MAX	9.94	11.77	10.35	4.27	5.18	3.99	5.40	7.14	7.59	4.12	4.59	4.31
MIN	3.62	3.98	3.81	3.69	3.80	3.61	3.59	3.59	3.59	3.31	3.22	3.29

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW 1/4 SW 1/4 sec.36, T.18 N., R.5 E., Ouachita - Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi west of town of Crew Lake.

DRAINAGE AREA.--361 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Estimated daily discharges: Dec. 19 to Jan. 7. Records fair. Indefinite stage-discharge relation Dec. 19 to Jan. 7. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 1,728 ft³/s, 1,252,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft³/s May 2, 1958; maximum gage height, 29.32 ft Jan. 2, 1983. Maximum daily reverse flow 190 ft³/s June 4, 1984; no flow at times in August, September, and October 1952, June 1984, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft³/s was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,400 ft³/s Nov. 3, gage height, 25.14 ft; minimum discharge, unaffected by pumping, 22 ft³/s, Oct. 12, 13, 14; minimum gage height, 1.04 ft Aug. 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	15800	1600	140	143	170	101	131	700	589	46	102
2	40	16300	5340	130	134	162	97	341	706	256	39	144
3	37	16300	5280	115	174	164	91	290	794	191	46	2130
4	38	15600	2820	105	682	160	92	154	836	625	40	2770
5	39	11600	1350	100	1610	180	85	99	674	1140	36	2260
6	40	4730	911	93	3770	192	76	72	1010	533	36	1800
7	39	1870	745	85	5760	188	74	62	2610	255	41	1070
8	38	1030	642	79	3950	206	88	53	2350	198	43	634
9	38	732	634	89	2370	161	94	44	2540	148	46	429
10	37	657	539	108	1650	156	74	43	4560	101	52	281
11	35	581	1370	114	1680	161	70	38	7010	82	440	188
12	28	531	8730	115	1520	294	1300	36	9150	87	353	181
13	24	470	13300	129	1240	561	1400	36	6040	79	197	131
14	25	294	14000	140	1020	1320	645	38	2710	61	153	102
15	49	243	11300	181	728	991	248	37	1210	54	133	83
16	89	220	5270	215	639	578	104	36	888	49	99	93
17	102	358	2420	206	621	385	72	40	836	36	97	71
18	78	586	1600	200	609	314	60	63	576	35	136	75
19	97	1120	1000	184	559	366	61	69	425	40	170	66
20	992	1180	760	170	512	321	1330	62	327	39	189	57
21	2900	890	690	170	473	368	981	59	164	48	125	53
22	3440	648	560	197	414	474	568	59	133	125	99	62
23	3870	380	480	189	391	388	379	45	102	104	91	97
24	4870	254	400	196	380	339	311	53	97	89	92	86
25	3310	899	350	225	373	306	256	644	111	72	80	73
26	1490	1320	300	196	281	293	156	3430	110	62	88	73
27	1020	1050	260	164	237	249	156	5330	94	58	92	57
28	3460	1430	220	145	187	132	160	6000	909	55	87	49
29	7160	1940	200	134	---	118	144	4510	2340	47	79	41
30	11900	1270	180	137	---	112	132	2500	1340	38	105	37
31	14500	---	160	139	---	104	---	1070	---	42	110	---
TOTAL	59839	100283	83411	4590	32107	9913	9405	25444	51352	5338	3440	13295
MEAN	1930	3343	2691	148	1147	320	314	821	1712	172	111	443
MAX	14500	16300	14000	225	5760	1320	1400	6000	9150	1140	440	2770
MIN	24	220	160	79	134	104	60	36	94	35	36	37
AC-FT	118700	198900	165400	9100	63680	19660	18650	50470	101900	10590	6820	26370
CAL YR	1985	TOTAL	583329	MEAN	1598	MAX	16300	MIN	24	AC-FT	1157000	
WTR YR	1986	TOTAL	398417	MEAN	1092	MAX	16300	MIN	24	AC-FT	790300	

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.48	24.78	6.33	5.06	2.00	1.88	1.50	1.89	5.56	3.52	1.17	1.63
2	1.32	25.05	13.32	4.24	1.95	1.84	1.48	2.75	4.16	2.41	1.10	1.82
3	1.28	25.09	14.03	3.32	2.11	1.85	1.44	2.58	4.13	2.14	1.16	7.19
4	1.29	24.81	10.49	2.54	3.83	1.83	1.45	2.01	4.24	3.48	1.11	8.62
5	1.30	23.25	7.11	2.12	6.13	1.93	1.40	1.70	3.79	5.01	1.06	7.54
6	1.32	17.88	5.55	2.03	10.48	1.98	1.33	1.51	5.14	3.33	1.06	6.54
7	1.30	12.86	4.69	1.95	14.23	1.97	1.32	1.42	8.44	2.40	1.12	4.81
8	1.29	10.61	4.15	1.60	11.87	2.05	1.42	1.33	8.30	2.17	1.14	3.64
9	1.29	9.03	3.81	1.68	8.81	1.84	1.46	1.24	8.49	1.92	1.17	2.97
10	1.28	7.56	3.53	1.80	6.73	1.82	1.31	1.23	12.36	1.65	1.23	2.47
11	1.26	6.04	5.78	1.83	6.43	1.84	1.28	1.18	16.27	1.53	2.98	2.08
12	1.17	4.45	18.19	1.84	5.86	2.35	5.13	1.15	19.37	1.57	2.71	2.05
13	1.12	3.30	22.96	1.92	5.18	3.28	5.62	1.15	16.47	1.51	2.13	1.80
14	1.13	2.71	23.66	1.98	4.63	5.39	3.73	1.17	11.27	1.34	1.92	1.63
15	1.42	2.53	22.45	2.18	3.82	4.54	2.40	1.17	7.49	1.27	1.81	1.51
16	1.78	2.43	17.53	2.34	3.55	3.35	1.73	1.15	5.64	1.22	1.61	1.58
17	1.89	2.93	13.27	2.30	3.49	2.70	1.50	1.19	4.41	1.08	1.60	1.41
18	1.72	3.66	11.72	2.27	3.46	2.46	1.40	1.42	3.51	1.07	1.83	1.44
19	1.83	5.03	10.80	2.20	3.29	2.64	1.39	1.48	3.01	1.13	2.00	1.36
20	5.86	5.18	9.74	2.13	3.13	2.49	5.39	1.41	2.67	1.12	2.09	1.28
21	10.15	4.50	9.25	2.13	3.00	2.64	4.64	1.39	2.02	1.21	1.77	1.24
22	11.00	3.85	8.96	2.26	2.80	3.00	3.51	1.39	1.86	1.79	1.61	1.33
23	11.73	3.00	8.67	2.22	2.72	2.71	2.89	1.25	1.68	1.66	1.56	1.60
24	14.23	2.57	8.40	2.25	2.68	2.55	2.66	1.30	1.64	1.56	1.56	1.53
25	11.94	4.42	8.10	2.38	2.66	2.43	2.45	3.74	1.73	1.43	1.49	1.42
26	8.28	5.49	7.98	2.25	2.35	2.39	2.02	9.72	1.72	1.34	1.54	1.42
27	6.53	4.88	7.60	2.10	2.18	2.22	2.02	13.61	1.62	1.30	1.57	1.28
28	11.92	5.73	7.22	2.01	1.96	1.69	2.04	15.20	4.11	1.27	1.54	1.20
29	17.83	6.94	6.82	1.95	---	1.61	1.96	13.95	7.67	1.19	1.47	1.12
30	22.27	5.39	6.40	1.97	---	1.57	1.90	10.72	5.47	1.10	1.65	1.08
31	24.02	---	5.77	1.97	---	1.53	---	7.49	---	1.14	1.68	---
MAX	24.02	25.09	23.66	5.06	14.23	5.39	5.62	15.20	19.37	5.01	2.98	8.62
MIN	1.12	2.43	3.53	1.60	1.95	1.53	1.28	1.15	1.62	1.07	1.06	1.08

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°04'15", long 91°55'40", in NW1/4NE1/4 sec.35, T.13 N., R.5 E., Caldwell-Franklin Parish line, Hydrologic Unit 08050001, at bridge on State Highway 4 crossing, 6.7 mi northwest of Fort Necessity, and 0.5 mi downstream from confluence of Bayou Lafourche Cutoff.

DRAINAGE AREA.--2,542 mi², arbitrarily determined because of interchange of flow.

PERIOD OF RECORD.--Water years 1976 to September 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to August 1981.

WATER TEMPERATURES: April 1978 to September 1981.

INSTRUMENTATION.--Water-quality monitor November 1980 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,480 micromhos Jan. 16, 1981; minimum, 50 micromhos Dec. 24, 1978.

WATER TEMPERATURES: Maximum, 35.0°C July 18, 19, 1978; minimum, 5.0°C on many days during January to February 1979, Feb. 4, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 09...	1015	0.0	981	7.30	21.5	5	25	7.4	2.8	110	K8
DEC 18...	1300	4820	180	6.90	8.0	120	100	10.6	2.4	--	940
FEB 27...	1200	522	632	7.60	15.5	100	70	8.6	2.2	K24	430
APR 09...	1000	0.0	1120	7.40	22.0	--	60	5.8	1.7	K14	84
JUN 05...	1130	2300	498	7.10	28.5	100	100	4.6	2.4	90	680
AUG 29...	1130	290	764	7.80	27.0	15	25	6.1	2.9	150	K18

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 09...	170	42	16	130	4.8	151	19	210	0.2	8.7
DEC 18...	34	8.9	2.8	19	5.4	31	16	24	<0.1	6.1
FEB 27...	110	29	10	74	4.6	107	31	110	0.2	8.9
APR 09...	170	45	15	150	5.5	123	76	220	0.2	11
JUN 05...	78	21	6.2	66	5.0	67	42	78	0.1	8.7
AUG 29...	180	44	18	85	4.5	148	20	150	0.2	11

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 09...	554	520	<0.01	<0.10	<0.01	<0.01	0.8	0.17	0.05	--
DEC 18...	113	100	0.01	0.25	0.14	0.10	1.0	0.26	0.15	0.13
FEB 27...	344	330	0.02	0.23	0.04	0.02	1.4	0.17	0.05	0.03
APR 09...	627	600	0.01	0.27	0.12	0.10	1.2	0.32	0.12	0.10
JUN 05...	276	270	0.10	0.43	0.13	0.11	1.4	0.33	0.11	0.08
AUG 29...	444	420	<0.01	<0.10	0.04	0.04	<0.2	0.17	0.07	0.06

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 09...	10	2	180	2	<1	<1	<3	6	--	<5
FEB 27...	50	1	100	<0.5	<1	<1	<3	5	210	<5
APR 09...	60	2	150	0.9	<1	<1	<3	8	210	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 09...	10	110	<0.1	<10	3	<1	<1	600	<6	<3
FEB 27...	5	270	<0.1	<10	4	<1	<1	300	<6	6
APR 09...	10	140	<0.1	<10	3	<1	<1	470	<6	11

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 18...	44	573	94
FEB 27...	126	178	94
JUN 05...	126	782	100
AUG 29...	236	185	100

< Actual value is known to be less than the value shown.

07369370 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA

LOCATION.--Lat 32°50'45", long 91°13'25", in sec.13, T.21 N., R.12 E., East Carroll Parish, on upstream side of Baxter Bayou bridge on U.S. Highway 65, 3.0 mi northwest of Lake Providence.

DRAINAGE AREA.--18.7 mi².

PERIOD OF RECORD.--January 1967 to September 1977 (elevations only), February 1985 to September 1986, (discontinued).

GAGE.--Water-stage and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Estimated daily discharges: Jan. 14 to Feb. 24. Records poor. Reservoir is used for recreation and is formed from an oxbow lake by a concrete dam on Tensas River and a weir on Baxter Bayou. Crests of the spillway in the dam and the weir are 89.5 ft above National Geodetic Vertical Datum of 1929. Reservoir capacity is unknown.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143 ft³/s Nov. 3, 1985; maximum elevation, 93.57 ft Jan. 5, 1972; minimum, -171 ft³/s Feb. 11, 1985; minimum elevation, 86.40 ft Nov. 25, 28, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 143 ft³/s Nov. 3; maximum elevation, 90.70 ft Oct. 31; minimum, -57 ft³/s Dec. 11; minimum elevation, 87.30 ft Mar. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	45	24	12	12	15	11	.71	2.2	3.0	1.1	13
2	4.4	46	32	9.8	12	15	14	.43	2.0	2.1	1.2	13
3	8.2	69	31	9.1	12	6.7	20	.29	1.2	-.10	1.2	13
4	13	83	30	8.5	14	.89	14	.70	1.4	-1.1	1.3	14
5	10	47	30	8.3	20	.85	16	.58	2.5	.53	1.3	15
6	8.7	41	30	7.2	22	.70	13	-0.92	2.6	-.90	1.1	17
7	8.7	37	28	6.8	26	.63	2.3	3.0	3.7	-.70	1.3	16
8	8.3	39	26	6.8	20	.42	2.2	18	12	-.30	-1.8	15
9	8.7	38	25	6.3	18	.51	1.6	22	18	.33	-.90	15
10	7.4	35	25	6.1	20	6.3	2.0	17	18	.52	4.8	15
11	3.9	34	-16	4.0	22	17	1.6	15	20	1.7	3.8	18
12	3.1	32	9.1	2.9	20	17	1.5	17	28	1.7	5.5	17
13	3.0	31	24	3.4	18	9.4	1.4	21	6.7	2.1	8.5	13
14	1.3	29	30	.00	18	1.5	1.3	12	-3.9	2.0	12	3.4
15	2.9	25	28	.00	18	.71	1.7	12	1.1	1.7	12	3.2
16	3.1	19	28	.00	22	1.3	1.3	13	2.8	1.5	20	2.4
17	3.6	23	26	.00	20	.90	1.0	13	-.60	1.5	16	2.8
18	4.8	30	26	.00	18	.25	.91	14	3.6	1.4	7.6	2.2
19	4.9	28	25	.00	18	1.8	.75	14	-.20	1.5	11	2.8
20	4.0	27	23	.00	18	.97	.99	15	-1.4	1.4	13	2.7
21	5.5	26	21	.00	18	1.5	1.2	15	-4.2	1.3	18	2.7
22	4.5	24	22	.00	17	1.6	.96	16	-2.1	1.4	3.1	2.8
23	-10	25	20	.00	17	2.1	.99	18	-1.3	1.3	6.5	3.3
24	20	25	19	.00	17	2.2	.82	18	-.70	1.2	16	2.5
25	7.0	26	20	4.0	17	3.0	.79	24	-.80	1.2	17	2.8
26	5.1	26	19	20	17	17	.80	27	.34	1.1	9.8	2.5
27	1.7	27	16	16	17	19	.68	28	.82	1.1	10	3.2
28	-3.6	29	16	15	16	11	1.4	40	1.1	1.1	13	2.8
29	-3.5	28	14	14	---	14	.95	14	-1.6	1.2	13	2.9
30	13	28	14	13	---	15	.75	6.9	2.8	1.1	13	3.6
31	36	---	14	12	---	17	---	5.3	---	1.2	14	---
TOTAL	191.2	1022	679.1	185.20	504	201.23	117.89	419.99	114.06	33.08	253.40	242.6
MEAN	6.17	34.1	21.9	5.97	18.0	6.49	3.93	13.5	3.80	1.07	8.17	8.09
MAX	36	83	32	20	26	19	20	40	28	3.0	20	18
MIN	-10	19	-16	.00	12	.25	.68	-0.92	-4.2	-1.1	-1.8	2.2
WTR YR 1986	TOTAL	3963.75	MEAN	10.9	MAX	83	MIN	-16				

07369370 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA---Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88.86	90.63	88.80	88.38	87.67	87.36	87.60	87.61	88.56	89.24	88.52	88.03
2	88.84	90.50	88.78	88.35	87.66	87.35	87.60	87.60	88.56	89.21	88.51	88.03
3	88.82	90.38	88.74	88.32	87.65	87.34	87.60	87.58	88.56	89.20	88.50	88.05
4	88.81	90.25	88.69	88.29	87.68	87.34	87.60	87.57	88.55	89.18	88.46	88.08
5	88.79	90.13	88.66	88.25	87.69	87.34	87.59	87.56	88.57	89.16	88.44	88.10
6	88.77	90.02	88.62	88.22	87.68	87.34	87.59	87.55	88.57	89.13	88.41	88.11
7	88.76	89.92	88.58	88.18	87.66	87.34	87.59	87.55	88.69	89.12	88.39	88.10
8	88.74	89.83	88.54	88.14	87.63	87.34	87.62	87.54	88.77	89.11	88.40	88.08
9	88.73	89.75	88.50	88.12	87.61	87.34	87.61	87.54	89.00	89.08	88.46	88.06
10	88.73	89.68	88.47	88.08	87.60	87.35	87.60	87.53	89.12	89.06	88.44	88.05
11	88.72	89.62	88.65	88.06	87.60	87.36	87.60	87.57	89.31	89.03	88.45	88.03
12	88.72	89.56	89.09	88.04	87.58	87.45	87.63	87.57	89.50	89.00	88.42	88.02
13	88.75	89.50	89.23	88.01	87.56	87.51	87.64	87.56	89.51	88.97	88.40	88.00
14	88.88	89.45	89.21	87.99	87.55	87.51	87.64	87.55	89.50	88.95	88.38	87.98
15	89.14	89.40	89.17	87.97	87.54	87.52	87.62	87.53	89.49	88.93	88.36	87.96
16	89.24	89.40	89.11	87.94	87.53	87.52	87.60	87.51	89.47	88.91	88.34	87.95
17	89.25	89.35	89.06	87.92	87.53	87.54	87.59	87.50	89.46	88.88	88.33	87.94
18	89.25	89.30	89.00	87.91	87.52	87.58	87.59	87.51	89.43	88.86	88.31	87.93
19	89.25	89.25	88.95	87.89	87.51	87.65	87.59	87.49	89.41	88.84	88.29	87.92
20	89.32	89.18	88.90	87.87	87.50	87.64	87.67	87.48	89.40	88.82	88.27	87.91
21	89.36	89.10	88.85	87.86	87.48	87.62	87.66	87.47	89.38	88.79	88.24	87.92
22	89.36	89.04	88.80	87.83	87.45	87.61	87.65	87.46	89.36	88.77	88.22	87.93
23	89.45	88.99	88.76	87.81	87.45	87.61	87.64	87.44	89.34	88.75	88.20	87.92
24	89.66	88.97	88.71	87.79	87.44	87.61	87.64	87.47	89.32	88.73	88.20	87.91
25	89.69	88.95	88.66	87.81	87.43	87.61	87.64	87.64	89.30	88.71	88.18	87.89
26	89.67	88.91	88.61	87.80	87.42	87.61	87.63	87.88	89.29	88.68	88.17	87.88
27	89.70	88.88	88.57	87.76	87.41	87.61	87.63	88.09	89.26	88.66	88.15	87.87
28	89.95	88.86	88.53	87.74	87.38	87.61	87.62	88.47	89.27	88.63	88.14	87.85
29	90.29	88.81	88.49	87.72	---	87.61	87.62	88.54	89.27	88.60	88.10	87.84
30	90.56	88.77	88.46	87.70	---	87.61	87.61	88.55	89.26	88.58	88.07	87.82
31	90.68	---	88.42	87.68	---	87.61	---	88.55	---	88.55	88.05	---
MAX	90.68	90.63	89.23	88.38	87.69	87.65	87.67	88.55	89.51	89.24	88.52	88.11
MIN	88.72	88.77	88.42	87.68	87.38	87.34	87.59	87.44	88.55	88.55	88.05	87.82

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW 1/4 sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near left bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

DRAINAGE AREA.--309 mi² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft above National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944, to Sept. 14, 1954, non-recording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--No estimated discharges. Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years (water years 1936-86), 341 ft³/s, 247,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s Nov. 19, 1948; maximum gage height, 26.34 ft Dec. 4, 1982; minimum discharge, 1.7 ft³/s Oct. 5, 1981, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,310 ft³/s Oct. 31, gage height, 20.27 ft; minimum, 8.0 ft³/s Sept. 20, gage height, 5.06 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	2190	180	24	17	12	16	25	1120	58	22	13
2	166	1970	509	22	17	12	15	153	987	51	21	24
3	113	1740	411	21	17	12	14	103	869	44	21	58
4	71	1460	301	21	20	12	14	50	783	39	21	59
5	44	1190	205	21	30	13	14	27	712	37	20	48
6	31	982	131	21	32	14	14	18	654	37	20	110
7	24	836	83	21	30	12	14	14	577	38	21	113
8	20	736	56	21	24	12	15	13	503	38	25	70
9	18	647	41	22	21	11	16	15	437	39	35	40
10	16	561	32	23	18	11	14	19	431	36	46	24
11	15	478	202	22	16	12	16	22	430	32	276	17
12	14	411	1050	21	16	25	257	30	412	30	255	20
13	16	360	1530	20	16	63	318	39	372	30	184	19
14	83	317	1420	19	16	65	210	45	316	32	124	14
15	327	272	1090	19	17	49	124	35	254	32	77	12
16	807	343	814	18	15	34	70	26	204	32	52	11
17	691	346	681	18	16	25	45	21	162	32	37	9.9
18	528	309	582	18	17	83	37	24	139	32	34	9.2
19	431	265	491	18	17	430	30	48	123	32	34	8.8
20	934	199	406	18	17	417	33	59	102	33	28	9.3
21	1580	134	343	17	17	340	42	51	77	35	23	26
22	1480	86	293	18	16	270	37	39	56	34	20	172
23	1410	57	236	17	15	194	30	31	47	31	18	158
24	1640	42	183	16	14	120	24	29	44	30	22	89
25	1490	36	138	20	13	74	20	142	49	32	22	43
26	1180	32	96	21	13	48	17	1040	53	31	19	24
27	989	32	63	21	13	35	15	1620	49	32	17	16
28	1320	55	44	19	13	27	15	1670	53	33	16	14
29	1690	87	34	19	---	22	13	1620	75	32	15	11
30	2100	77	29	18	---	19	12	1480	69	28	13	11
31	2290	---	27	17	---	17	---	1290	---	24	13	---
TOTAL	21700	16250	11701	611	503	2490	1511	9798	10159	1076	1551	1253.2
MEAN	700	542	377	19.7	18.0	80.3	50.4	316	339	34.7	50.0	41.8
MAX	2290	2190	1530	24	32	430	318	1670	1120	58	276	172
MIN	14	32	27	16	13	11	12	13	44	24	13	8.8
AC-FT	43040	32230	23210	1210	998	4940	3000	19430	20150	2130	3080	2490
CAL YR 1985	TOTAL	110236	MEAN	302	MAX	2320	MIN	14	AC-FT	218700		
WTR YR 1986	TOTAL	78603.2	MEAN	215	MAX	2290	MIN	8.8	AC-FT	155900		

RED RIVER BASIN

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07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.57	20.10	7.43	5.55	5.39	5.26	5.35	5.47	16.34	5.79	5.37	5.19
2	7.42	19.58	10.14	5.51	5.39	5.26	5.32	7.28	15.55	5.70	5.36	5.43
3	6.85	18.94	9.75	5.49	5.39	5.28	5.30	6.71	14.73	5.59	5.36	6.05
4	6.32	18.03	8.72	5.48	5.46	5.28	5.30	5.99	13.88	5.51	5.36	6.07
5	5.93	16.93	7.81	5.49	5.67	5.30	5.30	5.59	13.04	5.49	5.36	5.90
6	5.68	15.84	7.06	5.49	5.72	5.32	5.30	5.39	12.38	5.49	5.37	6.73
7	5.55	14.78	6.49	5.49	5.67	5.27	5.29	5.29	11.67	5.51	5.40	6.77
8	5.48	13.69	6.12	5.48	5.56	5.26	5.32	5.26	10.88	5.51	5.48	6.22
9	5.43	12.67	5.87	5.51	5.48	5.24	5.34	5.30	10.27	5.54	5.66	5.76
10	5.38	11.69	5.72	5.54	5.42	5.23	5.30	5.38	10.29	5.49	5.82	5.47
11	5.36	10.81	7.35	5.51	5.38	5.26	5.33	5.46	9.87	5.43	8.35	5.31
12	5.33	10.05	13.64	5.49	5.38	5.55	8.42	5.61	9.59	5.39	8.18	5.37
13	5.36	9.40	16.89	5.47	5.38	6.22	9.19	5.76	9.05	5.41	7.52	5.35
14	6.48	8.85	17.11	5.45	5.38	6.25	7.94	5.86	8.51	5.44	6.88	5.24
15	8.64	8.39	16.08	5.44	5.39	6.01	6.95	5.66	7.96	5.46	6.31	5.17
16	12.03	9.24	14.88	5.42	5.35	5.76	6.28	5.48	7.47	5.47	5.95	5.14
17	11.96	9.28	13.72	5.43	5.37	5.58	5.91	5.37	7.05	5.47	5.71	5.12
18	10.95	8.85	12.57	5.43	5.40	6.27	5.77	5.43	6.78	5.47	5.66	5.09
19	10.02	8.35	11.42	5.43	5.41	9.88	5.64	5.86	6.61	5.49	5.65	5.08
20	12.59	7.75	10.34	5.42	5.39	10.12	5.70	6.03	6.36	5.50	5.53	5.10
21	16.55	7.09	9.41	5.40	5.41	9.54	5.87	5.91	6.04	5.54	5.44	5.47
22	16.69	6.53	8.67	5.43	5.37	8.64	5.78	5.68	5.75	5.53	5.37	7.40
23	16.63	6.13	8.09	5.39	5.34	7.69	5.65	5.54	5.60	5.50	5.32	7.26
24	17.70	5.90	7.60	5.37	5.33	6.91	5.52	5.48	5.56	5.49	5.42	6.48
25	17.51	5.78	7.14	5.46	5.31	6.34	5.43	7.02	5.64	5.52	5.42	5.82
26	16.49	5.73	6.65	5.50	5.29	5.97	5.36	13.10	5.70	5.52	5.35	5.46
27	15.54	5.71	6.22	5.49	5.29	5.74	5.33	17.05	5.64	5.53	5.29	5.30
28	16.65	6.10	5.92	5.45	5.29	5.59	5.31	17.90	5.71	5.56	5.28	5.22
29	18.08	6.54	5.75	5.45	---	5.48	5.28	18.05	6.02	5.55	5.24	5.17
30	19.43	6.42	5.65	5.42	---	5.41	5.25	17.72	5.93	5.47	5.21	5.15
31	20.15	---	5.61	5.39	---	5.37	---	17.07	---	5.41	5.20	---
MAX	20.15	20.10	17.11	5.55	5.72	10.12	9.19	18.05	16.34	5.79	8.35	7.40
MIN	5.33	5.71	5.61	5.37	5.29	5.23	5.25	5.26	5.56	5.39	5.20	5.08

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to September 1981.

WATER TEMPERATURES: October 1967 to September 1968, April 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor April 1975 to September 1979.

REMARKS.--The temperature range for the water-quality monitor, 0.0°C to 36.5°C. Water-quality monitor removed September 1979. Samples for daily temperature and specific conductance were collected by an observer October 1979 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.

WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sept. 1, 1977; minimum, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 07...	1700	24	369	7.80	18.5	5	25	5.5	2.1	—
JAN 08...	1600	21	493	8.10	3.0	0	17	10.8	2.1	68
APR 07...	1630	13	493	8.00	29.0	15	44	14.7	7.3	K24
JUL 07...	1430	36	554	8.60	35.0	20	15	16.5	11	K15

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 07...	96	140	35	12	24	5.0	183	8.5	18	0.2
JAN 08...	260	210	54	18	28	4.8	235	12	24	0.2
APR 07...	K32	200	50	17	23	4.3	207	13	22	0.2
JUL 07...	K16	180	43	17	43	4.6	225	12	24	0.3

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 07...	13	220	230	0.20	0.18	0.13	0.9	0.18	0.05	0.02
JAN 08...	18	305	300	0.30	0.44	0.42	1.0	0.11	0.05	0.04
APR 07...	18	284	270	<0.10	0.05	0.03	1.6	0.20	0.07	0.05
JUL 07...	13	312	290	<0.10	0.04	0.03	1.6	0.16	0.03	0.02

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 07...	20	2	98	1	<1	<1	<3	5	4	<5
JAN 08...	20	1	130	<0.5	<1	<1	<3	2	8	<5
APR 07...	<10	3	130	1	<1	<1	<3	5	5	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 07...	11	190	--	<10	3	--	<1	150	<6	4
JAN 08...	11	440	<0.1	<10	3	<1	<1	230	<6	12
APR 07...	9	9	<0.1	<10	2	<1	<1	200	<6	13

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 07...	80	5.2	98
JAN 08...	40	2.3	78
APR 07...	100	3.5	94
JUL 07...	48	4.7	85

< Actual value is known to be less than the value shown.

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 32°03'20", long 91°13'35", in NE 1/4 SE 1/4 lot 3, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, near left bank on upstream side of Clark Bayou bridge on State Highway 605, 1.5 mi southeast of Newellton.

DRAINAGE AREA.--23.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1977 to September 1986, elevations only (discontinued). Unpublished records from February 1959 to September 1961 available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by two control structures on Clark Bayou. Control structure No. 1 has a 70-ft long weir with a crest elevation of 63.0 ft and two timber lift gates with widths of 10-ft each with a low sill at invert elevation of 56.0 ft. Control structure No. 2 on upper Clark Bayou has a drop inlet weir length of 53 ft with crest elevation of 65.0 ft and an 8-ft wide timber lift gate with invert elevation of 58.5 ft. Pool stage of 65.0 ft is controlled by structure No. 2 because control structure No. 1, located upstream is submerged. Reservoir is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 68.98 ft May 22, 1983; minimum, 64.22 ft Nov. 7, 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1960 reached an elevation of 66.71 ft Mar. 4, 5, 6, 1960; minimum, 63.56 ft Aug. 10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 67.72 ft May 28; minimum, 64.80 ft Aug. 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.85	67.15	66.13	66.12	65.88	65.72	65.68	65.66	67.39	65.82	65.24	65.02
2	65.84	67.08	66.14	66.09	65.87	65.74	65.68	65.65	67.28	65.78	65.21	65.02
3	65.83	67.01	66.17	66.07	65.87	65.70	65.69	65.64	67.17	65.79	65.19	65.02
4	65.81	66.93	66.18	66.05	65.88	65.66	65.66	65.62	67.08	65.78	65.17	65.02
5	65.78	66.87	66.10	66.01	65.94	65.71	65.66	65.61	67.04	65.75	65.16	65.01
6	65.77	66.80	66.11	66.01	65.90	65.67	65.60	65.61	67.02	65.73	65.12	65.04
7	65.77	66.70	66.10	66.00	65.94	65.66	65.58	65.57	66.95	65.69	65.13	65.02
8	65.75	66.67	66.07	65.97	65.92	65.67	65.59	65.57	66.88	65.69	65.10	65.01
9	65.73	66.62	66.05	65.96	65.90	65.65	65.58	65.52	66.79	65.64	65.10	65.01
10	65.72	66.53	66.03	65.95	65.89	65.60	65.55	65.52	66.73	65.64	65.07	65.00
11	65.70	66.49	66.02	65.95	65.84	65.61	65.54	65.56	66.66	65.62	65.06	64.99
12	65.69	66.43	66.34	65.94	65.87	65.57	65.77	65.55	66.55	65.62	65.06	65.23
13	65.68	66.38	66.59	65.92	65.87	65.75	65.87	65.54	66.44	65.59	65.03	65.28
14	65.68	66.33	66.60	65.91	65.85	65.74	65.90	65.52	66.33	65.56	65.02	65.27
15	66.00	66.30	66.63	65.90	65.87	65.71	65.86	65.51	66.22	65.54	64.98	65.26
16	66.28	66.31	66.60	65.89	65.87	65.72	65.84	65.51	66.11	65.52	64.96	65.24
17	66.31	66.32	66.56	65.88	65.85	65.73	65.83	65.47	65.99	65.50	64.98	65.24
18	66.29	66.29	66.52	65.88	65.86	65.68	65.84	65.62	65.94	65.51	65.01	65.23
19	66.26	66.26	66.47	65.87	65.85	65.79	65.80	65.63	65.93	65.48	64.99	65.22
20	66.33	66.17	66.44	65.87	65.85	65.83	65.82	65.64	65.91	65.45	64.97	65.18
21	66.32	66.14	66.40	65.85	65.82	65.81	65.79	65.65	65.88	65.43	64.95	65.21
22	66.30	66.11	66.37	65.81	65.80	65.81	65.79	65.66	65.85	65.44	64.96	65.19
23	66.40	66.09	66.33	65.83	65.81	65.81	65.81	65.64	65.83	65.43	64.93	65.19
24	66.58	66.07	66.30	65.83	65.79	65.79	65.77	65.62	65.81	65.41	64.90	65.19
25	66.59	66.07	66.24	65.90	65.78	65.79	65.74	65.99	65.79	65.39	64.88	65.17
26	66.55	66.05	66.25	65.87	65.77	65.78	65.73	66.41	65.78	65.37	64.87	65.15
27	66.57	66.04	66.22	65.86	65.76	65.75	65.73	66.75	65.74	65.35	64.86	65.13
28	66.93	66.08	66.22	65.90	65.70	65.74	65.69	67.63	65.71	65.32	65.06	65.12
29	67.18	66.08	66.18	65.88	---	65.73	65.68	67.68	65.74	65.30	65.05	65.10
30	67.20	66.09	66.17	65.88	---	65.73	65.67	67.58	65.82	65.28	65.05	65.09
31	67.16	---	66.14	65.87	---	65.71	---	67.48	---	65.25	65.04	---
MAX	67.20	67.15	66.63	66.12	65.94	65.83	65.90	67.68	67.39	65.82	65.24	65.28
MIN	65.68	66.04	66.02	65.81	65.70	65.57	65.54	65.47	65.71	65.25	64.86	64.99

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962-63, 1969, 1977, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 07...	1530	165	6.90	22.0	5	25	12.5	10	K9	K4
JAN 06...	1200	122	7.40	9.0	20	50	13.2	8.6	K5	120
APR 07...	1415	141	8.70	27.0	15	40	12.2	12	K16	K16
JUL 07...	1315	160	7.70	34.5	40	15	10.4	9.9	K2	K3

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 07...	68	18	5.5	3.2	5.1	69	1.8	2.7	0.1
JAN 06...	53	14	4.3	3.0	5.0	57	6.7	4.9	<0.1
APR 07...	53	14	4.4	3.6	4.5	56	7.4	3.0	0.1
JUL 07...	72	20	5.4	3.0	5.2	73	4.3	2.9	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 07...	8.3	106	86	0.01	0.01	0.01	3.4	0.20	0.02
JAN 06...	2.1	71	74	0.09	0.08	0.04	2.2	0.17	0.06
APR 07...	9.4	93	80	0.01	0.02	0.05	2.9	0.34	0.06
JUL 07...	15	99	100	<0.01	<0.01	0.01	2.4	0.34	0.15

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
OCT 07...	7	12	1	2	9	<1	21	20	24	22000	<5

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 07...	20	3	690	<0.1	<0.01	5	90	16	<0.01	1	<0.1

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<1	<0.1	<1	<0.01	<0.1	<0.1	<1	<0.01	16	<0.01	36

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<0.01	4.9	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 07...	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK, NEAR ST. JOSEPH, LA

LOCATION.--Lat 31°57'40", long 91°12'10", in NW 1/4 SW 1/4 sec.26, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, at State Park fishing pier, 3.5 mi northeast of St. Joseph.

DRAINAGE AREA.--21.4 mi².

PERIOD OF RECORD.--February 1959 to September 1964, November 1977 to September 1986, elevations only (discontinued).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by Routh ditch control structure at U.S. Highway 65. The 60.7-ft long weir has a crest elevation of 61.0 ft which can be raised to 63.0 ft by stop-logs. There are two 6-ft wide metal lift gates with an invert elevation of 56.2 ft. Area of lake is 3,000 acres at an elevation of 63.0 ft. Reservoir is used for recreation and public supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 66.04 ft May 23, 1983; minimum, 57.28 ft Jan. 2, 3, 4, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 63.32 ft May 29; minimum, 60.79 ft Mar. 9, 10, 11, 12.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61.49	62.69	62.08	61.46	60.85	60.85	61.03	61.32	63.22	62.55	61.90	61.41
2	61.46	62.58	62.05	61.36	60.85	60.84	61.01	61.34	63.16	62.53	61.88	61.38
3	61.43	62.47	62.02	61.22	60.86	60.85	61.01	61.33	63.08	62.50	61.86	61.35
4	61.41	62.34	62.00	61.13	60.85	60.85	61.00	61.30	63.03	62.49	61.83	61.33
5	61.39	62.21	62.01	61.02	60.95	60.84	61.00	61.29	63.10	62.45	61.79	61.31
6	61.36	62.08	62.00	60.92	60.95	60.83	61.00	61.27	63.14	62.43	61.75	61.32
7	61.33	61.96	61.99	60.93	60.93	60.82	61.00	61.28	63.08	62.41	61.75	61.35
8	61.31	61.92	61.99	60.91	60.92	60.81	60.99	61.27	63.02	62.38	61.72	61.38
9	61.29	61.88	61.99	60.92	60.91	60.79	61.03	61.26	62.96	62.35	61.69	61.32
10	61.26	61.87	62.00	60.93	60.91	60.80	61.01	61.26	62.92	62.32	61.67	61.30
11	61.25	61.87	62.00	60.91	60.89	60.82	60.99	61.26	62.87	62.28	61.70	61.27
12	61.23	61.86	62.34	60.92	60.86	60.86	61.24	61.27	62.83	62.27	61.65	61.23
13	61.22	61.87	62.59	60.93	60.85	60.94	61.44	61.25	62.78	62.25	61.62	61.19
14	61.22	61.86	62.62	60.91	60.84	60.91	61.44	61.24	62.74	62.23	61.60	61.23
15	61.56	61.86	62.62	60.92	60.86	60.94	61.43	61.20	62.70	62.20	61.58	61.31
16	61.84	61.94	62.62	60.91	60.86	60.96	61.41	61.19	62.67	62.18	61.55	61.29
17	61.86	61.96	62.61	60.90	60.89	60.95	61.39	61.18	62.63	62.15	61.51	61.25
18	61.87	61.95	62.61	60.91	60.88	60.94	61.36	61.28	62.60	62.15	61.55	61.23
19	61.86	61.96	62.58	60.91	60.90	61.14	61.37	61.27	62.58	62.15	61.57	61.23
20	62.00	61.94	62.58	60.91	60.89	61.12	61.43	61.26	62.55	62.13	61.53	61.19
21	62.04	61.91	62.57	60.91	60.91	61.10	61.42	61.23	62.52	62.13	61.50	61.16
22	62.03	61.90	62.56	60.91	60.90	61.08	61.41	61.21	62.49	62.15	61.47	61.15
23	62.13	61.87	62.56	60.89	60.89	61.07	61.39	61.18	62.47	62.13	61.44	61.14
24	62.20	61.88	62.57	60.88	60.89	61.06	61.38	61.18	62.44	62.11	61.41	61.11
25	62.21	61.88	62.40	60.90	60.87	61.06	61.37	61.28	62.42	62.08	61.39	61.10
26	62.19	61.87	62.22	60.92	60.88	61.06	61.36	61.68	62.39	62.07	61.35	61.07
27	62.25	61.88	62.09	60.91	60.88	61.05	61.35	61.94	62.36	62.05	61.35	61.04
28	62.61	61.98	61.96	60.88	60.90	61.05	61.37	63.07	62.34	62.02	61.32	61.02
29	62.85	61.98	61.83	60.86	---	61.06	61.35	63.29	62.54	61.99	61.28	60.99
30	62.84	61.98	61.71	60.86	---	61.03	61.33	63.32	62.56	61.98	61.48	60.96
31	62.77	---	61.58	60.86	---	61.03	---	63.28	---	61.93	61.45	---
MAX	62.85	62.69	62.62	61.46	60.95	61.14	61.44	63.32	63.22	62.55	61.90	61.41
MIN	61.22	61.86	61.58	60.86	60.84	60.79	60.99	61.18	62.34	61.93	61.28	60.96

07369700 BAYOU MACON NEAR KILBOURNE, LA

LOCATION.--Lat 32°59'35", long 91°15'45", in SW 1/4 SE 1/4 sec.8, T.23 N., R.12 E., East Carroll - West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi south of Arkansas-Louisiana State line, and 3.0 mi east of Kilbourne.

DRAINAGE AREA.--504 mi² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft³/s only). October 1973 to September 1986; daily gage heights and daily discharges below 200 ft³/s only (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft higher.

REMARKS.--No estimated daily discharge. Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 508 ft³/s, 368,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,740 ft³/s May 5, 1958; maximum gage height, 26.73 ft Mar. 17, 1973; no flow June 11, 1963, result of pumping for irrigation.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.33 ft Dec. 12; minimum discharge 16 ft³/s Oct. 7, 8, 9, 10, 11-12, gage height, 0.65 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	---	---	30	46	21	110	71	---	179	58	105
2	21	---	---	31	38	19	97	69	---	177	70	114
3	18	---	---	33	30	19	72	66	---	169	91	140
4	18	---	---	31	33	18	67	65	193	152	100	118
5	17	---	---	29	38	17	68	61	197	139	107	141
6	17	---	195	28	98	18	70	67	185	127	116	141
7	17	---	157	29	147	17	70	73	179	111	123	125
8	16	---	111	28	108	18	72	70	185	102	148	114
9	17	---	103	29	69	18	71	61	---	103	163	109
10	17	---	100	44	50	18	68	56	---	93	170	106
11	16	---	---	56	40	22	67	166	---	85	175	104
12	16	---	---	53	34	43	72	126	---	83	153	104
13	17	199	---	47	31	71	74	114	---	84	131	103
14	19	184	---	42	30	48	70	88	---	85	126	103
15	105	172	---	40	28	36	68	66	---	83	128	103
16	132	197	---	39	26	29	67	78	189	85	125	89
17	33	176	---	36	26	25	67	110	166	71	118	52
18	21	162	142	34	25	64	67	176	131	78	113	42
19	19	156	75	33	25	95	67	156	103	82	110	40
20	32	153	49	33	28	30	80	136	90	86	106	38
21	41	151	40	33	42	23	85	108	86	95	100	37
22	27	122	36	32	39	20	74	83	90	93	105	37
23	33	93	34	31	33	20	72	85	90	95	97	37
24	51	113	33	37	26	20	72	127	94	93	94	38
25	30	---	32	56	22	20	73	---	127	95	94	39
26	28	---	30	48	22	21	73	---	116	90	94	39
27	52	188	32	35	26	20	69	---	121	102	102	38
28	---	---	31	28	24	25	72	---	168	114	156	37
29	---	---	30	29	---	111	73	---	---	101	117	37
30	---	---	29	40	---	128	71	---	204	77	110	38
31	---	---	31	51	---	115	---	---	---	63	106	---
TOTAL	---	---	---	1145	1184	1169	2198	---	---	3192	3606	2368
MEAN	---	---	---	36.9	42.3	37.7	73.3	---	---	103	116	78.9
MAX	---	---	---	56	147	128	110	---	---	179	175	141
MIN	16	93	29	28	22	17	67	56	86	63	58	37

RED RIVER BASIN

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07369700 BAYOU MACON NEAR KILBOURNE, LA---Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.85	---	---	.89	1.13	.74	1.75	1.26	2.76	2.10	1.11	1.48
2	.75	---	---	.91	1.01	.71	1.62	1.23	2.66	2.09	1.23	1.55
3	.69	---	4.22	.94	.90	.71	1.35	1.20	2.56	2.02	1.41	1.74
4	.68	4.05	3.26	.91	.94	.69	1.30	1.18	2.24	1.90	1.49	1.57
5	.67	3.43	2.85	.89	1.01	.67	1.31	1.13	2.24	1.80	1.54	1.75
6	.67	3.32	2.60	.86	1.67	.68	1.32	1.19	2.15	1.71	1.61	1.75
7	.66	3.36	2.25	.88	2.15	.67	1.32	1.26	2.10	1.58	1.67	1.63
8	.65	3.36	1.82	.87	1.79	.68	1.34	1.23	2.14	1.50	1.86	1.54
9	.66	3.26	1.74	.88	1.39	.68	1.32	1.14	2.47	1.51	1.97	1.49
10	.66	3.08	1.71	1.09	1.18	.69	1.29	1.09	3.91	1.42	2.02	1.47
11	.65	2.92	---	1.24	1.04	.77	1.28	2.00	5.77	1.35	2.06	1.45
12	.65	2.79	---	1.21	.96	1.05	1.33	1.70	4.52	1.34	1.89	1.45
13	.66	2.65	10.41	1.14	.92	1.41	1.35	1.60	3.27	1.35	1.72	1.44
14	.70	2.49	7.41	1.07	.90	1.15	1.30	1.38	2.73	1.36	1.68	1.43
15	1.76	2.38	5.04	1.04	.87	.97	1.28	1.19	2.38	1.34	1.69	1.43
16	2.02	2.63	3.93	1.02	.84	.87	1.26	1.30	2.18	1.36	1.66	1.31
17	.93	2.42	3.10	.99	.83	.80	1.26	1.57	2.00	1.24	1.61	.97
18	.74	2.29	2.11	.96	.82	1.22	1.26	2.08	1.74	1.30	1.57	.85
19	.71	2.24	1.46	.94	.81	1.61	1.25	1.93	1.51	1.34	1.54	.82
20	.91	2.21	1.16	.94	.87	.88	1.39	1.77	1.40	1.37	1.51	.80
21	1.05	2.19	1.05	.94	1.07	.76	1.44	1.55	1.37	1.44	1.46	.79
22	.85	1.93	.99	.93	1.03	.70	1.31	1.34	1.40	1.42	1.49	.79
23	.93	1.64	.96	.91	.94	.69	1.29	1.36	1.40	1.44	1.43	.79
24	1.18	1.83	.94	1.00	.84	.69	1.29	1.70	1.43	1.43	1.40	.79
25	.89	3.06	.92	1.25	.77	.68	1.30	4.95	1.70	1.44	1.40	.80
26	.85	2.81	.89	1.15	.77	.71	1.29	8.32	1.62	1.40	1.39	.80
27	1.15	2.53	.92	.98	.82	.68	1.25	7.86	1.65	1.50	1.46	.79
28	---	3.21	.91	.86	.80	.74	1.28	9.49	2.02	1.60	1.89	.78
29	---	3.10	.90	.88	---	1.77	1.28	6.16	2.42	1.50	1.58	.77
30	---	2.69	.88	1.05	---	1.93	1.26	3.71	2.29	1.29	1.52	.78
31	---	---	.91	1.18	---	1.80	---	3.05	---	1.16	1.49	---
MAX	---	---	---	1.25	2.15	1.93	1.75	9.49	5.77	2.10	2.06	1.75
MIN	.65	1.64	.88	.86	.77	.67	1.25	1.09	1.37	1.16	1.11	.77

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 08...	0915	603	7.30	17.5	5	25	7.1	1.6	K60
JAN 08...	1200	616	6.70	7.5	0	10	12.4	2.7	K25
APR 08...	1230	423	7.20	24.0	5	25	7.6	4.3	K200
JUL 08...	1230	385	7.90	31.5	20	45	8.7	3.2	K45

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 08...	K60	260	69	22	24	3.0	277	23
JAN 08...	K32	280	76	23	29	2.7	303	16
APR 08...	K380	180	48	15	17	3.4	184	15
JUL 08...	K36	160	39	14	17	3.4	161	18

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 08...	17	0.2	20	352	340	0.01	0.67	0.10
JAN 08...	28	0.2	24	360	380	0.01	0.57	0.12
APR 08...	13	0.2	8.6	236	230	0.04	1.4	0.12
JUL 08...	11	0.2	12	215	210	0.25	1.4	0.11

K Results based on colony count outside the acceptable range (non-ideal count).

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 08...	2	<1	1	6	<1	3	14	10	17000	<5	10	280
DATE	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
OCT 08...	500	<0.01	10	56	2.6	<0.01	5	<0.1	<1	<0.1	<1	<0.01
DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)
OCT 08...	<0.1	<0.1	<1	<0.01	1.8	<0.01	1	<0.01	0.2	<0.01	<0.1	<0.01
DATE	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
OCT 08...	0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT 08...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 08...	<0.1	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	0.02	<0.01	

< Actual value is known to be less than the value shown.

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE 1/4 SE 1/4 sec.18, T.17 N., R.10 E., Madison - Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782 mi².

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; and since January 1932 in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949 to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft downstream at same datum. Auxiliary water-stage recorder 7.7 mi downstream from base gage at datum 46.05 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Estimated daily discharges: Apr. 6-8, July 15-21, and Aug. 2-6. Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 993 ft³/s, 719,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft³/s Jan. 21, 1979; maximum gage height, 26.00 ft May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, result of temporary dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft, present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,750 ft³/s May 28; maximum gage height, 17.15 ft May 29; minimum daily discharge, 7.0 ft³/s Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	291	4090	768	113	110	94	213	100	1040	272	13	163
2	182	3370	1420	111	117	92	216	124	389	207	10	214
3	121	2690	997	111	115	98	201	105	297	162	8.4	293
4	98	1970	630	109	132	96	177	92	246	136	7.5	313
5	87	872	437	107	147	85	160	88	253	122	7.0	420
6	79	498	359	104	152	87	150	83	322	114	10	698
7	75	423	319	110	207	80	140	81	314	106	24	440
8	74	389	291	104	239	79	130	74	265	94	49	274
9	75	381	252	99	230	76	125	63	271	80	82	194
10	75	373	224	101	196	78	106	54	321	65	144	154
11	74	354	636	102	161	78	104	63	419	47	671	139
12	74	337	3040	110	149	127	386	103	973	31	520	143
13	76	322	4210	119	141	300	348	128	752	22	307	131
14	129	310	3410	117	134	293	230	113	417	13	227	123
15	1050	297	2430	119	127	211	168	93	281	10	169	120
16	1700	300	1200	115	114	155	124	74	210	8.4	154	119
17	845	314	588	111	117	121	115	70	191	7.4	161	114
18	340	311	421	112	120	151	111	111	178	7.4	173	102
19	219	288	313	111	125	446	104	187	143	7.8	161	88
20	851	278	248	106	118	421	229	193	108	8.8	151	76
21	790	262	195	104	118	270	264	152	76	10	150	78
22	384	258	163	119	116	177	218	111	59	22	137	105
23	496	250	152	110	114	138	166	80	53	29	126	127
24	1860	232	143	104	117	125	130	71	53	30	133	102
25	1190	232	129	119	110	116	103	255	53	32	133	87
26	441	295	114	123	106	118	88	2860	58	44	139	79
27	325	343	120	122	107	120	82	4190	70	50	148	73
28	1650	463	120	111	102	113	99	5620	171	65	169	70
29	2950	488	116	114	---	108	104	4780	311	69	182	67
30	3980	427	111	108	---	129	95	2830	335	56	181	66
31	4270	---	117	104	---	185	---	1410	---	32	174	---
TOTAL	24851	21417	23673	3429	3841	4767	4886	24358	8629	1959.8	4720.9	5172
MEAN	802	714	764	111	137	154	163	786	288	63.2	152	172
MAX	4270	4090	4210	123	239	446	386	5620	1040	272	671	698
MIN	74	232	111	99	102	76	82	54	53	7.4	7.0	66
AC-FT	49290	42480	46960	6800	7620	9460	9690	48310	17120	3890	9360	10260
CAL YR 1985	TOTAL	246138	MEAN	674	MAX	6240	MIN	50	AC-FT	488200		
WTR YR 1986	TOTAL	131703.7	MEAN	361	MAX	5620	MIN	7.0	AC-FT	261200		

07370000 BAYOU MACON NEAR DELHI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.77	15.94	8.63	7.19	7.15	6.99	7.37	7.01	8.95	7.70	6.16	7.34
2	7.40	14.90	9.42	7.18	7.18	6.98	7.38	7.15	7.99	7.49	---	7.51
3	7.15	13.19	8.98	7.18	7.16	7.02	7.34	7.05	7.71	7.33	---	7.78
4	7.02	10.74	8.49	7.17	7.25	7.00	7.26	6.97	7.54	7.23	---	7.84
5	6.94	8.81	8.17	7.16	7.31	6.93	7.20	6.94	7.56	7.16	---	8.13
6	6.88	8.29	7.99	7.14	7.33	6.94	---	6.91	7.79	7.12	---	8.60
7	6.85	8.15	7.86	7.17	7.52	6.89	---	6.90	7.76	7.07	6.33	8.16
8	6.84	8.07	7.77	7.14	7.63	6.88	---	6.84	7.59	7.00	6.63	7.71
9	6.85	8.05	7.64	7.11	7.60	6.85	7.06	6.73	7.61	6.89	6.91	7.45
10	6.85	8.03	7.55	7.12	7.49	6.87	6.96	6.63	7.77	6.78	7.22	7.30
11	6.84	7.98	8.24	7.12	7.36	6.88	6.95	6.73	8.01	6.61	8.55	7.24
12	6.84	7.92	11.67	7.17	7.31	7.15	7.90	7.03	8.90	6.43	8.31	7.26
13	6.86	7.87	14.17	7.22	7.27	7.80	7.84	7.17	8.60	6.30	7.82	7.21
14	7.17	7.83	13.78	7.21	7.24	7.78	7.48	7.09	8.02	6.16	7.56	7.16
15	8.92	7.79	11.52	7.22	7.20	7.51	7.27	6.96	7.63	---	7.36	7.15
16	9.70	7.80	9.22	7.20	7.14	7.30	7.08	6.82	7.39	---	7.30	7.14
17	8.77	7.85	8.49	7.18	7.14	7.15	7.04	6.77	7.32	---	7.33	7.12
18	7.91	7.84	8.21	7.18	7.16	7.24	7.02	7.05	7.27	---	7.37	7.05
19	7.53	7.76	7.92	7.17	7.19	8.13	6.99	7.39	7.15	---	7.33	6.95
20	8.78	7.73	7.71	7.14	7.15	8.01	7.49	7.40	6.98	---	7.29	6.86
21	8.71	7.67	7.53	7.13	7.15	7.56	7.62	7.25	6.78	---	7.29	6.88
22	8.04	7.66	7.42	7.22	7.13	7.25	7.47	7.05	6.64	6.30	7.23	7.07
23	8.13	7.63	7.37	7.15	7.11	7.09	7.29	6.84	6.60	6.41	7.18	7.18
24	9.89	7.57	7.34	7.12	7.13	7.04	7.15	6.75	6.61	6.42	7.21	7.05
25	9.17	7.57	7.27	7.20	7.09	6.99	7.00	7.52	6.62	6.45	7.22	6.95
26	8.15	7.78	7.19	7.22	7.07	6.99	6.91	11.42	6.68	6.58	7.24	6.88
27	7.85	7.94	7.23	7.22	7.07	7.01	6.87	13.39	6.79	6.64	7.28	6.84
28	9.70	8.22	7.23	7.15	7.05	6.97	6.99	16.27	7.30	6.77	7.36	6.82
29	11.54	8.27	7.20	7.17	---	6.94	7.03	16.85	7.83	6.81	7.41	6.80
30	13.77	8.16	7.18	7.13	---	7.05	6.97	14.90	7.92	6.69	7.40	6.79
31	15.45	---	7.21	7.11	---	7.28	---	11.85	---	6.45	7.38	---
MAX	15.45	15.94	14.17	7.22	7.63	8.13	7.90	16.85	8.95	7.70	8.55	8.60
MIN	6.84	7.57	7.18	7.11	7.05	6.85	---	6.63	6.60	---	---	6.79

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in SW 1/4 sec.8, T.14 N., R.4 W., Bienville - Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 mi downstream from McDonald Creek, and 5.4 mi west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--28 years (water years 1939-57, 1978-86), 406 ft³/s, 294,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s Dec. 28, 1982, gage height, 21.20 ft from floodmark; minimum gage height, 2.67 ft Sept. 26, 1955. Minimum discharge observed, 0.4 ft³/s Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0930	3640	13.58	June 30	0730	*5290	*14.46

Minimum discharge, 5.4 ft³/s Oct. 19, gage height, 2.92 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	1400	705	122	81	108	114	183	172	3100	16	17
2	28	1370	745	117	81	97	104	151	139	1860	16	17
3	42	1210	752	114	76	89	94	134	192	1020	15	17
4	39	819	766	107	342	85	86	138	209	469	15	15
5	29	446	774	100	1180	84	81	136	220	229	15	15
6	23	236	597	95	2290	83	76	103	227	137	15	14
7	20	151	390	93	3520	82	70	81	315	95	15	18
8	18	117	264	91	2860	79	65	69	420	78	14	38
9	15	93	200	87	2000	77	60	60	427	64	13	37
10	13	76	171	87	1390	73	53	52	518	51	11	30
11	9.4	64	229	86	931	70	49	48	705	47	11	22
12	6.6	56	675	84	641	104	102	48	1060	58	11	19
13	6.5	52	1400	82	495	299	382	45	991	50	14	17
14	7.2	52	2030	80	411	481	493	42	776	37	15	16
15	8.4	47	2240	78	356	632	540	38	533	31	15	16
16	9.8	41	1770	75	319	754	412	33	275	27	15	16
17	9.5	51	1260	74	290	697	220	32	174	25	16	16
18	7.6	59	855	73	264	552	135	92	194	23	16	16
19	6.2	72	577	74	246	541	109	234	198	21	16	15
20	20	69	412	76	228	595	570	366	158	19	16	19
21	43	59	311	78	209	634	952	363	111	18	19	32
22	109	49	251	77	190	673	928	240	79	21	18	30
23	103	48	216	74	170	572	1130	133	64	61	15	27
24	72	62	195	71	154	392	1120	92	53	60	15	26
25	73	200	174	71	143	275	723	143	64	37	16	28
26	64	432	152	77	136	222	360	347	65	25	17	22
27	48	555	140	89	129	193	209	420	58	21	16	19
28	51	727	132	117	119	173	162	370	57	18	15	17
29	137	785	130	108	---	156	148	407	579	18	18	18
30	479	696	132	92	---	139	178	344	4520	17	17	22
31	953	---	128	83	---	125	---	254	---	17	16	---
TOTAL	2482.2	10094	18773	2732	19251	9136	9725	5198	13553	7754	472	631
MEAN	80.1	336	606	88.1	688	295	324	168	452	250	15.2	21.0
MAX	953	1400	2240	122	3520	754	1130	420	4520	3100	19	38
MIN	6.2	41	128	71	76	70	49	32	53	17	11	14
AC-FT	4920	20020	37240	5420	38180	18120	19290	10310	26880	15380	936	1250
CAL YR 1985	TOTAL	117238.9	MEAN	321	MAX	5030	MIN	6.2	AC-FT	232500		
WTR YR 1986	TOTAL	99801.2	MEAN	273	MAX	4520	MIN	6.2	AC-FT	198000		

RED RIVER BASIN

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07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.10	11.72	10.44	6.26	5.41	5.69	5.78	6.83	6.67	13.21	3.54	3.58
2	3.99	11.69	10.55	6.16	5.40	5.51	5.63	6.36	6.16	12.18	3.54	3.59
3	4.39	11.46	10.56	6.10	5.30	5.36	5.46	6.07	6.96	11.08	3.49	3.58
4	4.31	10.70	10.60	5.97	8.16	5.26	5.29	6.14	7.21	9.39	3.48	3.50
5	4.02	9.37	10.62	5.82	11.33	5.25	5.18	6.11	7.36	7.45	3.50	3.47
6	3.82	7.88	10.07	5.72	12.58	5.23	5.08	5.61	7.45	6.13	3.50	3.44
7	3.70	6.78	9.07	5.67	13.51	5.20	4.94	5.18	8.34	5.47	3.50	3.61
8	3.60	6.15	8.16	5.61	13.04	5.13	4.85	4.92	9.21	5.11	3.47	4.28
9	3.51	5.67	7.52	5.52	12.33	5.09	4.74	4.75	9.25	4.81	3.37	4.24
10	3.39	5.29	7.10	5.53	11.66	5.01	4.60	4.59	9.75	4.55	3.31	4.03
11	3.20	5.00	7.67	5.51	10.94	4.94	4.51	4.50	10.38	4.47	3.30	3.73
12	3.02	4.80	10.27	5.46	10.20	5.57	5.47	4.49	11.18	4.71	3.31	3.60
13	3.00	4.67	11.69	5.42	9.64	8.15	8.90	4.43	11.06	4.53	3.43	3.53
14	3.06	4.67	12.37	5.39	9.15	9.56	9.64	4.36	10.59	4.25	3.47	3.49
15	3.14	4.54	12.55	5.33	8.74	10.18	9.85	4.27	9.75	4.08	3.48	3.49
16	3.22	4.38	12.13	5.26	8.45	10.53	9.11	4.15	7.98	3.96	3.49	3.51
17	3.20	4.64	11.52	5.23	8.19	10.37	7.34	4.11	6.70	3.88	3.50	3.50
18	3.09	4.87	10.79	5.22	7.93	9.90	6.10	5.34	7.00	3.81	3.52	3.47
19	2.99	5.19	10.00	5.22	7.71	9.86	5.70	7.49	7.04	3.73	3.52	3.44
20	3.65	5.11	9.21	5.27	7.47	10.07	9.73	8.82	6.46	3.67	3.51	3.60
21	4.41	4.86	8.55	5.33	7.20	10.19	11.00	8.80	5.72	3.63	3.65	4.10
22	5.99	4.60	8.05	5.32	6.93	10.31	10.96	7.59	5.13	3.73	3.59	4.02
23	5.88	4.56	7.70	5.24	6.65	9.97	11.30	6.07	4.82	4.76	3.50	3.91
24	5.19	4.92	7.46	5.16	6.41	8.99	11.29	5.40	4.61	4.75	3.50	3.89
25	5.22	7.32	7.15	5.16	6.22	8.02	10.42	6.22	4.82	4.23	3.54	3.96
26	4.99	9.32	6.81	5.30	6.10	7.38	8.73	8.58	4.84	3.87	3.57	3.73
27	4.56	9.92	6.60	5.57	5.99	6.97	7.20	9.20	4.70	3.73	3.55	3.62
28	4.66	10.49	6.45	6.16	5.84	6.69	6.52	8.85	4.68	3.64	3.47	3.56
29	6.41	10.64	6.40	5.99	---	6.43	6.30	9.12	7.88	3.60	3.61	3.60
30	9.52	10.41	6.44	5.64	---	6.16	6.75	8.64	14.07	3.58	3.57	3.74
31	10.97	---	6.38	5.43	---	5.93	---	7.79	---	3.57	3.56	---
MAX	10.97	11.72	12.55	6.26	13.51	10.53	11.30	9.20	14.07	13.21	3.65	4.28
MIN	2.99	4.38	6.38	5.16	5.30	4.94	4.51	4.11	4.61	3.57	3.30	3.44

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in NW 1/4 sec.41, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Co. bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

DRAINAGE AREA.--1,899 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WRD LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft above National Geodetic Vertical Datum of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi upstream from base gage at same datum. Nonrecording gage read twice daily at auxiliary gage from Jan. 3, 1983 to Sept. 30, 1986.

REMARKS.--No estimated daily discharge. Records good. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--29 years, 2,095 ft³/s, 14.98 in/yr, 1,518,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s Dec. 29, 1982, gage height, 45.88 ft, from floodmark; minimum discharge, 9.6 ft³/s Sept. 26, 27, 1980, gage height, 4.87 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft³/s Nov. 4, gage height, 31.95 ft; minimum discharge, 26 ft³/s Sept. 10, 11, gage height, 4.96 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	53	6530	1620	868	607	486	474	1310	2000	1480	96	30		
2	84	7930	2060	773	547	454	418	1090	1800	1780	82	29		
3	97	9590	2490	725	519	425	366	1050	1590	2170	70	29		
4	98	10100	2520	662	558	406	335	1260	1330	2590	62	29		
5	95	9330	2410	608	1120	380	315	1520	1150	3140	56	31		
6	94	8190	2290	553	1960	339	297	1370	1190	3660	54	31		
7	95	6950	2170	518	2760	334	276	1100	1390	3970	53	29		
8	89	6000	1810	473	3150	325	264	825	2070	3930	48	28		
9	73	4820	1880	449	3430	316	241	612	2340	3590	46	27		
10	76	3600	1770	424	3680	304	229	476	2300	3070	45	27		
11	69	3350	1700	425	3890	296	220	376	2920	2290	49	27		
12	54	1960	2180	402	4140	337	221	292	3240	1180	71	30		
13	45	978	5070	394	4440	503	408	237	3500	569	103	29		
14	47	746	6020	384	4720	758	1110	216	3670	318	100	35		
15	49	475	6430	372	4880	920	1130	198	3750	257	86	46		
16	52	466	6890	360	4750	996	1090	177	3670	211	83	54		
17	96	507	7380	348	4390	1100	1070	170	3370	180	76	49		
18	149	598	7490	336	3900	1110	1020	151	2910	165	64	42		
19	220	610	7210	323	3300	1090	1020	156	2520	149	54	36		
20	437	532	6730	313	2510	1090	1520	200	2250	131	47	37		
21	701	459	6250	322	1960	1140	2240	266	1880	118	41	28		
22	834	381	5780	312	1240	1210	1650	367	1520	106	38	287		
23	896	329	5150	306	1000	1280	1600	445	1130	98	37	281		
24	1260	299	4290	314	814	1280	1420	527	733	99	36	168		
25	1390	385	3540	304	688	1240	1320	614	503	120	34	125		
26	1370	595	2740	516	625	1160	1260	725	387	116	34	109		
27	1360	878	2080	1440	578	1060	1270	873	399	99	35	93		
28	2080	1180	1580	1580	522	985	1320	1150	502	97	36	81		
29	3050	1500	1180	1370	---	907	1370	1760	613	100	34	71		
30	4440	1560	1010	1050	---	761	1370	1970	1050	111	32	62		
31	5400	---	926	766	---	651	---	2020	---	111	31	---		
TOTAL	24853	90828	112646	17990	66678	23643	26844	23503	57677	36005	1733	1980		
MEAN	802	3028	3634	580	2381	763	895	758	1923	1161	55.9	66.0		
MAX	5400	10100	7490	1580	4880	1280	2240	2020	3750	3970	103	287		
MIN	45	299	926	304	519	296	220	151	387	97	31	27		
CF SM	.42	1.59	1.91	.31	1.25	.40	.47	.40	1.01	.61	.03	.03		
IN.	.49	1.78	2.21	.35	1.31	.46	.53	.46	1.13	.71	.03	.04		
AC-FT	49300	180200	223400	35680	132300	46900	53250	46620	114400	71420	3440	3930		
CAL YR 1985	TOTAL	726245	MEAN	1990	MAX	14200	MIN	24	CF SM	1.05	IN.	14.23	AC-FT	1441000
WTR YR 1986	TOTAL	484380	MEAN	1327	MAX	10100	MIN	27	CF SM	.70	IN.	9.49	AC-FT	960800

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.61	28.88	15.92	14.68	11.32	10.82	10.82	14.59	17.71	15.28	6.22	5.05
2	6.13	30.33	18.00	14.03	10.81	10.64	10.44	13.89	16.85	16.60	6.01	5.04
3	6.38	31.52	19.32	13.35	10.57	10.49	10.24	13.95	15.95	18.15	5.83	5.03
4	6.42	31.92	19.38	12.73	10.78	10.36	10.12	14.93	14.94	19.66	5.69	5.04
5	6.46	31.59	19.01	12.17	13.50	10.27	10.00	15.47	14.19	21.22	5.60	5.09
6	6.40	30.82	18.61	11.66	17.38	10.16	9.91	14.91	14.15	22.57	5.56	5.08
7	6.35	30.02	18.27	11.21	20.18	10.08	9.84	13.82	16.00	23.33	5.54	5.03
8	6.28	29.04	17.88	10.80	21.29	10.00	9.77	12.59	18.01	23.32	5.45	5.00
9	6.20	27.77	17.35	10.40	22.01	9.93	9.78	11.49	18.79	22.58	5.41	4.98
10	6.09	26.10	16.76	10.06	22.67	9.86	9.68	10.67	19.67	21.15	5.39	4.97
11	5.98	23.58	16.75	9.82	23.23	9.81	9.61	10.11	20.60	18.83	5.44	4.97
12	5.86	20.11	21.23	9.62	23.80	10.05	9.98	9.76	21.50	15.00	5.71	5.05
13	5.70	16.34	26.01	9.42	24.47	10.96	12.19	9.53	22.18	11.34	6.25	5.04
14	5.62	13.34	27.62	9.27	25.11	12.09	13.78	9.40	22.65	9.31	6.27	5.19
15	5.68	11.51	28.38	9.14	25.49	13.06	14.01	9.36	22.87	8.32	6.09	5.35
16	5.68	10.66	29.08	9.04	25.46	13.55	13.71	9.32	22.73	7.75	6.09	5.52
17	6.25	10.89	29.73	8.96	24.88	13.82	13.60	9.28	21.96	7.38	5.99	5.44
18	7.06	11.04	30.01	8.89	23.73	13.81	13.35	9.29	20.64	7.13	5.76	5.31
19	8.21	11.05	29.86	8.84	22.03	13.79	13.03	9.30	19.53	6.90	5.57	5.19
20	9.45	10.62	29.44	8.81	19.84	13.77	15.51	9.37	18.54	6.71	5.44	5.19
21	11.07	10.04	28.84	8.79	17.40	13.88	18.61	9.58	17.42	6.53	5.34	7.25
22	11.95	9.46	28.10	8.76	15.13	14.08	17.97	9.95	16.07	6.37	5.26	8.57
23	12.56	8.96	27.21	8.77	13.53	14.36	16.33	10.32	14.40	6.25	5.23	8.53
24	14.29	8.66	26.00	8.74	12.57	14.49	15.20	10.51	12.59	6.22	5.21	7.47
25	15.18	8.99	24.32	8.93	11.98	14.35	14.72	11.05	11.21	6.50	5.18	6.75
26	14.72	10.45	22.32	11.60	11.58	14.07	14.45	11.81	10.42	6.42	5.16	6.42
27	14.64	12.11	20.30	15.07	11.26	13.75	14.42	12.44	10.23	6.21	5.16	6.16
28	17.83	13.76	18.40	15.78	11.02	13.38	14.63	13.62	10.14	6.18	5.17	5.97
29	23.00	15.39	16.93	15.05	---	12.94	14.83	16.57	10.33	6.22	5.15	5.84
30	25.98	15.65	15.99	13.71	---	12.29	14.86	17.44	13.05	6.34	5.11	5.70
31	27.43	---	15.31	12.33	---	11.49	---	17.65	---	6.38	5.08	---
MAX	27.43	31.92	30.01	15.78	25.49	14.49	18.61	17.65	22.87	23.33	6.27	8.57
MIN	5.61	8.66	15.31	8.74	10.57	9.81	9.61	9.28	10.14	6.18	5.08	4.97

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, October 1964 to January 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1965 to September 1985.

WATER TEMPERATURES: May 1980 to September 1985.

INSTRUMENTATION.--Specific conductance recorder (strip chart) October 1964 to May 22, 1980. Water-quality monitor May 1980 to September 1985.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 26,800 micromhos Nov. 4, 1965; minimum, 40 micromhos Apr. 11-13, June 12-16, 1975.

WATER TEMPERATURES: Maximum, 33.0°C July 13-17, 1980; minimum, 1.0°C Jan. 1, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
OCT 09...	1300	645	6.80	20.5	100	20	7.6	1.1	K280	170	38
JAN 07...	1730	299	7.60	8.0	80	25	10.4	2.0	K22	K12	29
DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT 09...	11	2.6	120	4.5	54	130	76	<0.1	15	409	390
JAN 07...	8.0	2.2	50	2.6	55	28	43	0.1	17	204	180
DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)
OCT 09...	0.28	0.92	0.14	1	<1	<1	<1	2	<1	2	1
JAN 07...	0.06	0.63	0.12	—	—	—	—	—	—	—	—
DATE	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	740	1900	<5	<10	150	62	0.1	<0.01	4	7	12

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 09...	<0.01	<1	<0.1	<1	<0.1	<1	<0.01	<0.1	<0.1	<1	<0.01
DATE	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 09...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
OCT 09...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 09...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 09...	<0.1	<1	<1	<10	<0.01	<0.1	0.06	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW 1/4 SE 1/4 sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi upstream from Sugar Branch, 0.8 mi upstream from water-supply diversion dam, 0.8 mi north of Pollock, and 1.3 mi downstream from Dyson Creek.

DRAINAGE AREA.--51 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1942 to current year.

REVISED RECORDS.--WDR LA 75-1: 1958(M), 1966(M).

GAGE.--Duplex water-stage recorder (rain gage and water stage combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1942, non-recording gage, and Feb. 25, 1942 to June 21, 1955, water-stage recorder at site 0.3 mi downstream at same datum; June 21, 1955 to May 18, 1964, water-stage recorder at present site and datum.

REMARKS.--Estimated daily discharges: June 13-17. Records good. Recording rain gage at present site.

AVERAGE DISCHARGE.--44 years, 62.1 ft³/s, 16.54 in/yr, 44,990 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 23,500 ft³/s Apr. 29, 1953, gage height, 18.03 ft; minimum, 3.7 ft³/s Sept. 29, 1956, gage height, 1.08 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 950 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	0800	*2860	*11.71	No other peak greater than base discharge.			

Minimum discharge, 10 ft³/s Aug. 30, 31, Sept. 1, 2, 3, 6, 9, 10, 11, 12; minimum gage height, 2.76 ft Aug. 30, 31, Sept. 10, 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	233	59	37	33	28	23	23	32	40	12	11
2	27	119	57	35	33	28	23	31	28	30	12	11
3	24	126	40	35	34	30	22	31	22	25	12	11
4	22	79	36	34	70	30	22	28	21	22	12	11
5	21	65	34	33	72	28	22	27	23	21	12	11
6	20	57	33	33	135	27	21	26	27	20	12	11
7	19	54	32	41	66	27	21	25	27	19	13	11
8	20	48	32	39	47	27	21	24	27	18	13	11
9	19	46	31	35	41	27	22	23	28	18	12	11
10	19	44	31	41	39	28	22	22	26	18	13	10
11	19	43	231	45	42	28	22	21	29	18	20	10
12	19	42	461	39	37	77	61	20	27	22	18	13
13	19	41	601	36	35	72	51	20	25	19	15	15
14	20	39	166	34	36	46	32	19	23	17	14	12
15	42	39	80	33	37	41	38	19	22	16	13	11
16	58	40	62	33	35	36	27	19	21	15	14	11
17	32	41	54	33	34	33	24	19	20	15	14	17
18	26	38	52	34	34	33	24	20	64	15	13	14
19	40	38	47	34	33	41	23	22	59	17	12	13
20	91	36	45	33	32	35	87	20	32	17	12	14
21	51	33	43	32	31	30	47	19	26	17	11	22
22	37	32	42	33	31	29	31	18	24	17	11	22
23	182	33	42	33	31	28	27	17	24	16	14	16
24	104	33	41	32	30	29	25	17	21	15	15	14
25	43	46	37	58	30	27	24	26	20	19	12	14
26	33	39	35	64	30	27	23	32	20	18	11	14
27	109	38	42	41	30	25	22	34	20	16	11	14
28	783	52	47	37	29	25	24	31	38	15	11	14
29	1290	42	41	36	---	24	24	25	166	14	11	14
30	2360	37	39	34	---	24	22	21	86	14	10	14
31	758	---	38	33	---	24	---	31	---	13	10	---
TOTAL	6346	1653	2631	1150	1167	1014	877	730	1028	576	395	397
MEAN	205	55.1	84.9	37.1	41.7	32.7	29.2	23.5	34.3	18.6	12.7	13.2
MAX	2360	233	601	64	135	77	87	34	166	40	20	22
MIN	19	32	31	32	29	24	21	17	20	13	10	10
CFSM	4.02	1.08	1.66	.73	.82	.64	.57	.46	.67	.36	.25	.26
IN.	4.63	1.21	1.92	.84	.85	.74	.64	.53	.75	.42	.29	.29
AC-FT	12590	3280	5220	2280	2310	2010	1740	1450	2040	1140	783	787
(+)	13.26	.53	4.45	1.15	1.38	1.62	3.23	2.71	5.22	.43	2.47	2.72

CAL YR 1985 TOTAL 28110 MEAN 77.0 MAX 2520 MIN 15 CFSM 1.51 IN. 20.50 AC-FT 55760
WTR YR 1986 TOTAL 17964 MEAN 49.2 MAX 2360 MIN 10 CFSM .96 IN. 13.10 AC-FT 35630
+ Precipitation, in inches, during month at rain gage at station. Total for calendar year 1985, 49.48 inches;
Total for water year 1986, 39.17 inches.

07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.27	4.32	3.45	3.25	3.21	3.14	3.03	3.00	3.15	3.26	2.82	2.78
2	3.12	3.78	3.43	3.23	3.21	3.14	3.03	3.12	3.09	3.14	2.81	2.78
3	3.07	3.81	3.28	3.23	3.22	3.16	3.02	3.12	3.00	3.08	2.81	2.78
4	3.04	3.58	3.24	3.22	3.49	3.16	3.02	3.08	2.98	3.04	2.81	2.79
5	3.02	3.49	3.22	3.21	3.54	3.14	3.01	3.07	3.02	3.01	2.81	2.79
6	3.00	3.43	3.21	3.20	3.85	3.13	3.00	3.05	3.09	2.99	2.83	2.78
7	2.99	3.41	3.19	3.29	3.50	3.12	3.00	3.03	3.08	2.98	2.84	2.80
8	3.00	3.36	3.19	3.27	3.35	3.12	3.00	3.01	3.09	2.96	2.84	2.79
9	2.99	3.34	3.18	3.23	3.29	3.13	3.01	2.99	3.10	2.95	2.83	2.78
10	2.99	3.32	3.18	3.29	3.27	3.13	3.01	2.97	3.07	2.95	2.85	2.77
11	2.99	3.31	4.50	3.33	3.30	3.13	3.00	2.95	3.11	2.96	2.99	2.77
12	2.98	3.30	6.03	3.27	3.25	3.51	3.36	2.94	3.08	3.03	2.97	2.85
13	2.99	3.29	6.98	3.24	3.23	3.53	3.34	2.93	---	2.98	2.90	2.89
14	3.01	3.27	4.03	3.22	3.24	3.33	3.15	2.92	---	2.94	2.86	2.81
15	3.30	3.27	3.59	3.21	3.25	3.28	3.22	2.91	---	2.92	2.85	2.80
16	3.44	3.28	3.47	3.21	3.23	3.23	3.08	2.92	---	2.90	2.88	2.80
17	3.19	3.29	3.41	3.21	3.22	3.20	3.04	2.92	---	2.89	2.88	2.94
18	3.11	3.26	3.39	3.22	3.22	3.20	3.02	2.94	3.45	2.90	2.84	2.86
19	3.23	3.26	3.35	3.22	3.20	3.28	3.01	2.98	3.42	2.93	2.81	2.85
20	3.65	3.24	3.33	3.20	3.19	3.21	3.56	2.94	3.17	2.94	2.81	2.88
21	3.38	3.20	3.31	3.19	3.18	3.15	3.30	2.92	3.08	2.94	2.80	3.00
22	3.25	3.19	3.30	3.20	3.18	3.13	3.13	2.90	3.05	2.95	2.80	3.04
23	4.13	3.20	3.30	3.21	3.18	3.12	3.07	2.89	3.05	2.91	2.87	2.92
24	3.71	3.21	3.29	3.19	3.17	3.13	3.04	2.89	3.00	2.90	2.89	2.87
25	3.31	3.34	3.25	3.42	3.16	3.11	3.02	3.05	2.99	2.98	2.81	2.87
26	3.21	3.27	3.23	3.48	3.16	3.10	3.01	3.13	2.98	2.97	2.80	2.88
27	3.71	3.26	3.30	3.29	3.16	3.08	2.99	3.17	2.98	2.92	2.79	2.86
28	7.90	3.39	3.35	3.25	3.15	3.07	3.02	3.13	3.15	2.90	2.80	2.87
29	9.69	3.30	3.29	3.24	---	3.05	3.01	3.05	3.96	2.87	2.79	2.87
30	11.23	3.25	3.27	3.22	---	3.04	2.99	2.98	3.60	2.88	2.77	2.88
31	7.66	---	3.26	3.21	---	3.04	---	3.13	---	2.85	2.77	---
MAX	11.23	4.32	6.98	3.48	3.85	3.53	3.56	3.17	3.96	3.26	2.99	3.04
MIN	2.98	3.19	3.18	3.19	3.15	3.04	2.99	2.89	2.98	2.85	2.77	2.77

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.0°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 09...	1415	41	7.00	20.5	5	3.5	8.8	0.9	440	330
JAN 07...	1630	36	7.40	10.0	20	6.9	11.0	2.2	96	64
APR 09...	1530	41	7.30	20.0	30	3.0	8.5	1.4	140	160
JUL 09...	1130	45	6.90	27.5	50	7.0	7.2	0.9	64	570

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 09...	8	1.7	0.82	4.5	1.4	13	1.5	4.8	<0.1	20
JAN 07...	7	1.7	0.70	4.3	1.3	6	5.4	5.9	<0.1	20
APR 09...	9	2.0	0.94	4.5	1.5	11	3.4	4.2	<0.1	20
JUL 09...	9	2.3	0.89	4.4	1.5	12	5.0	4.1	<0.1	20

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 09...	38	43	<0.10	0.07	<0.01	0.2	0.02	0.02	0.06
JAN 07...	41	43	<0.10	0.03	<0.01	0.3	0.03	0.02	0.01
APR 09...	45	43	<0.10	0.03	0.03	0.4	0.03	0.01	0.01
JUL 09...	45	45	<0.10	0.04	0.04	0.4	0.04	0.02	0.01

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 09...	20	<1	25	1	<1	<1	<3	2	130	<5
JAN 07...	50	<1	25	0.6	<1	<1	<3	1	250	<5

< Actual value is known to be less than the value shown.

07373000 BIG CREEK AT POLLOCK, LA---Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 09...	<4	38	<0.1	<10	4	<1	<1	17	<6	<3
JAN 07...	<4	46	<0.1	<10	1	<1	<1	18	<6	13

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
JAN 07...	1.2	2.3	1.9	0.9	1.6	0.9	0.04	<0.06

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 09...	19	6	0.31	84
DEC 29...	42	15	1.7	100
JAN 07...	43	23	2.6	52
MAR 27...	26	11	0.77	95
APR 09...	22	16	0.95	86
JUL 09...	18	20	0.97	98
SEP 18...	14	18	0.68	94

< Actual value is known to be less than the value shown.

07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.--Lat 31°35'04", long 92°07'55", in NW 1/4 NE 1/4 In lot 39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi east of Nebo, 1.4 mi upstream from Mason Creek, and 2.2 mi downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi².

PERIOD OF RECORD.--Occasional low-flow and miscellaneous measurements, water years 1956-63, 1966-67, 1970. August 1978 to current year.

REVISED RECORDS.--WRD LA-82-1: 1979-81(M).

GAGE.--Water-stage recorder. Datum of gage is 46.58 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 17-24, and Aug. 13-18. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--7 years, 63.5 ft³/s, 24.43 in/yr, 46,010 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s Dec. 27, 1982, gage height, 14.2 ft; from flood marks, from rating curve extended above 6,000 ft³/s on basis of slope-area measurement at gage height 14.2 ft; minimum, 8.2 ft³/s part of each day Aug. 4, 5, 6, 11, 12, 13, 14, 1985, minimum gage height, 2.16 ft Aug. 4, 5, 6, 11, 12, 13, 14, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	1900	*1890	*7.55	No peak above base discharge.			

Minimum discharge, 14 ft³/s part of each day Aug. 1, 2, 3, 4, 5, 7, 8, 9, 10, 20, 21, 23, 24, 25, 26; minimum gage height, 2.17 ft Oct. 5, 9, 10, 11, 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	80	56	30	27	25	23	23	29	22	15	15
2	17	51	36	29	26	25	22	24	23	21	15	17
3	16	46	30	29	29	25	22	22	32	20	15	16
4	16	35	28	29	59	25	22	21	96	20	15	16
5	15	31	27	28	41	25	22	21	72	19	15	18
6	15	28	26	28	41	24	22	21	40	19	15	16
7	15	26	25	32	33	24	22	21	41	19	15	16
8	15	25	25	29	30	24	22	20	37	20	15	16
9	15	24	24	29	29	24	21	20	61	19	14	15
10	15	23	24	30	30	24	22	20	50	19	15	15
11	15	23	160	29	29	24	22	20	28	21	17	15
12	15	22	407	28	28	40	70	20	24	20	16	24
13	18	22	320	28	28	32	31	20	22	19	16	17
14	81	21	68	27	30	29	29	19	21	19	16	16
15	306	21	53	27	28	27	27	20	20	19	16	16
16	39	25	46	26	28	26	24	20	20	19	15	21
17	25	24	43	27	27	25	24	21	21	19	15	24
18	22	24	40	27	27	105	23	22	28	24	15	16
19	50	23	38	26	26	53	23	20	28	21	15	16
20	115	23	36	26	26	31	73	20	22	20	15	17
21	52	23	35	26	26	29	32	20	39	23	14	19
22	34	22	34	27	26	27	27	19	39	21	15	22
23	209	22	33	26	26	27	25	19	23	20	15	17
24	98	22	32	28	25	26	24	207	21	49	15	16
25	60	22	31	47	25	25	23	83	21	23	14	21
26	60	21	31	31	25	24	23	36	21	17	15	19
27	197	48	38	29	25	24	23	42	21	16	15	17
28	703	53	35	29	25	23	23	44	28	15	16	16
29	1020	32	32	28	---	23	23	26	43	15	15	16
30	598	28	31	27	---	23	23	66	26	15	15	16
31	207	---	30	27	---	23	---	63	---	15	15	---
TOTAL	4083	890	1874	889	825	911	812	1040	997	628	469	521
MEAN	132	29.7	60.5	28.7	29.5	29.4	27.1	33.5	33.2	20.3	15.1	17.4
MAX	1020	80	407	47	59	105	73	207	96	49	17	24
MIN	15	21	24	26	25	23	21	19	20	15	14	15
CFSM	3.74	.84	1.71	.81	.84	.83	.77	.95	.94	.58	.43	.49
IN.	4.30	.94	1.97	.94	.87	.96	.86	1.10	1.05	.66	.49	.55
AC-FT	8100	1770	3720	1760	1640	1810	1610	2060	1980	1250	930	1030

CAL YR 1985	TOTAL	19246.4	MEAN	52.7	MAX	1500	MIN	8.5	CFSM	1.49	IN.	20.28	AC-FT	38180
WTR YR 1986	TOTAL	13939	MEAN	38.2	MAX	1020	MIN	14	CFSM	1.08	IN.	14.69	AC-FT	27650

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.32	3.16	2.91	2.46	2.40	2.37	2.37	2.37	2.51	2.36	2.28	2.29
2	2.24	2.87	2.63	2.45	2.39	2.36	2.36	2.40	2.39	2.33	2.28	2.33
3	2.22	2.80	2.52	2.45	2.44	2.36	2.36	2.36	2.46	2.31	2.28	2.32
4	2.20	2.63	2.49	2.44	2.94	2.37	2.35	2.35	3.20	2.30	2.28	2.30
5	2.19	2.55	2.47	2.42	2.66	2.36	2.35	2.34	3.11	2.29	2.28	2.37
6	2.19	2.50	2.44	2.43	2.67	2.35	2.35	2.33	2.70	2.29	2.29	2.31
7	2.19	2.45	2.43	2.51	2.52	2.35	2.35	2.33	2.71	2.30	2.29	2.31
8	2.19	2.42	2.42	2.44	2.46	2.35	2.35	2.32	2.65	2.30	2.28	2.30
9	2.18	2.39	2.41	2.44	2.45	2.34	2.34	2.31	2.99	2.29	2.27	2.30
10	2.18	2.38	2.40	2.47	2.46	2.34	2.35	2.32	2.84	2.29	2.29	2.29
11	2.17	2.37	3.55	2.44	2.44	2.34	2.35	2.32	2.48	2.32	2.33	2.30
12	2.18	2.36	4.84	2.42	2.43	2.64	2.99	2.30	2.40	2.31	2.32	2.51
13	2.26	2.35	4.41	2.42	2.42	2.50	2.54	2.30	2.36	2.29	---	2.33
14	2.63	2.34	3.07	2.41	2.47	2.45	2.50	2.29	2.32	2.29	---	2.31
15	4.48	2.34	2.86	2.39	2.42	2.41	2.47	2.30	2.31	2.28	---	2.31
16	2.68	2.43	2.76	2.39	2.42	2.38	2.41	2.30	2.31	2.28	---	2.41
17	2.42	---	2.70	2.40	2.41	2.36	2.39	2.33	2.33	2.28	---	2.48
18	2.35	---	2.65	2.39	2.40	3.12	2.38	2.35	2.48	2.41	---	2.33
19	2.63	---	2.61	2.38	2.39	2.89	2.38	2.31	2.48	2.34	2.28	2.32
20	3.52	---	2.58	2.38	2.38	2.56	3.11	2.30	2.36	2.31	2.28	2.33
21	2.78	---	2.56	2.38	2.38	2.50	2.56	2.29	2.55	2.37	2.28	2.40
22	2.45	---	2.54	2.41	2.38	2.47	2.46	2.29	2.66	2.33	2.28	2.46
23	3.94	---	2.53	2.39	2.38	2.46	2.42	2.28	2.38	2.30	2.28	2.35
24	3.14	---	2.51	2.42	2.37	2.44	2.40	3.21	2.34	2.70	2.28	2.33
25	2.68	2.35	2.48	2.75	2.37	2.42	2.39	3.18	2.33	2.48	2.27	2.43
26	2.69	2.34	2.48	2.48	2.36	2.41	2.38	2.64	2.34	2.36	2.28	2.40
27	3.79	2.72	2.62	2.45	2.37	2.40	2.37	2.68	2.33	2.32	2.29	2.34
28	5.53	2.90	2.56	2.44	2.37	2.39	2.37	2.75	2.46	2.30	2.31	2.33
29	6.18	2.56	2.51	2.42	---	2.38	2.36	2.44	2.74	2.29	2.30	2.32
30	5.16	2.49	2.48	2.40	---	2.37	2.37	2.89	2.44	2.29	2.29	2.33
31	3.97	---	2.47	2.40	---	2.37	---	2.98	---	2.29	2.29	---
MAX	6.18	3.16	4.84	2.75	2.94	3.12	3.11	3.21	3.20	2.70	2.33	2.51
MIN	2.17	2.34	2.40	2.38	2.36	2.34	2.34	2.28	2.31	2.28	2.27	2.29

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'23", long 91°27'42", lot 46, T.8 N., R.10 E., Concordia Parish, Hydrologic Unit 08040306, near left bank on upstream side of bridge on State Highway 568, 8.0 mi southwest of Waterproof.

DRAINAGE AREA.--14.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to September 1986, elevations only (discontinued).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Since Aug. 25, 1981, a nonrecording supplemental gage at private fishing pier 700 ft upstream at datum 36.00 ft lower and used whenever lake elevation is too low to enter Buckner Bayou. Prior to May 19, 1981, water-stage recorder at site 8.5 mi southwest of Waterproof at same datum and prior to Oct. 1, 1976, at datum 50.00 ft higher.

REMARKS.--Lake is formed from an oxbow lake by four control structures; two are on Buckner Bayou. Buckner Bayou floodgate consists of two 4.0-ft pipes (invert elevations, 47.9 ft) with stoplogs which raise elevation to 53.0 ft. Structure built about 1948. Adjacent to the floodgate is Buckner Bayou weir, which was built about 1975. The weir has a 30-ft length with crest elevation of 53.0 ft.

Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on west side of lake. This structure consists of two 8.5- by 3.5-ft timber gates with invert of gates at elevation 53.0 ft and was built about 1967.

Little Tensas Bayou Control Structure is located at northeast of end of Lake St. John and consists of a 5.0-ft pipe with flap valve. Invert of pipe is 50.3 ft elevation.

Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft, present datum, May 13, 1973; minimum observed, 50.25 ft, present datum, Nov. 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 54.83 ft Oct. 31; minimum, 52.28 ft Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.35	54.80	54.02	53.77	53.33	53.45	53.87	53.77	53.60	53.35	52.95	52.51
2	53.31	54.78	53.99	53.75	53.35	53.44	53.86	53.81	53.58	53.33	52.92	52.49
3	53.28	54.75	53.95	53.73	53.35	53.45	53.86	53.80	53.57	53.33	52.93	52.58
4	53.25	54.70	53.91	53.70	53.38	53.44	53.86	53.76	53.57	53.31	52.90	52.56
5	53.21	54.65	53.88	53.67	53.53	53.42	53.85	53.73	53.59	53.29	52.87	52.55
6	53.18	54.61	53.84	53.65	53.53	53.43	53.84	53.72	53.60	53.27	52.84	52.53
7	53.16	54.56	53.80	53.64	53.55	53.40	53.84	53.72	53.59	53.25	52.86	52.51
8	53.13	54.52	53.77	53.62	53.54	53.40	53.83	53.71	53.61	53.23	52.84	52.49
9	53.12	54.46	53.75	53.59	53.55	53.40	53.85	53.70	53.60	53.20	52.82	52.46
10	53.09	54.43	53.73	53.58	53.53	53.40	53.81	53.69	53.59	53.18	52.80	52.45
11	53.07	54.39	53.71	53.57	53.51	53.40	53.79	53.68	53.58	53.15	52.82	52.43
12	53.06	54.35	53.93	53.54	53.50	53.40	53.93	53.67	53.57	53.14	52.88	52.52
13	53.05	54.32	54.14	53.52	53.50	53.51	53.95	53.66	53.56	53.12	52.85	52.51
14	53.05	54.29	54.18	53.49	53.47	53.53	53.94	53.64	53.54	53.10	52.83	52.50
15	53.24	54.25	54.18	53.47	53.50	53.50	53.93	53.63	53.52	53.07	52.81	52.47
16	53.37	54.32	54.16	53.45	53.49	53.49	53.91	53.60	53.51	53.05	52.79	52.45
17	53.40	54.29	54.16	53.43	53.51	53.49	53.89	53.59	53.48	53.03	52.82	52.45
18	53.39	54.26	54.14	53.42	53.52	53.48	53.88	53.63	53.46	53.04	52.81	52.43
19	53.38	54.23	54.11	53.40	53.52	53.90	53.87	53.62	53.45	53.02	52.78	52.42
20	53.50	54.19	54.09	53.37	53.53	53.97	53.93	53.60	53.44	53.01	52.76	52.41
21	53.74	54.12	54.05	53.36	53.54	53.99	53.92	53.58	53.42	52.97	52.74	52.44
22	53.79	54.07	54.01	53.36	53.50	53.96	53.91	53.55	53.40	53.09	52.73	52.44
23	54.00	54.03	53.99	53.33	53.51	53.94	53.89	53.53	53.38	53.07	52.70	52.42
24	54.16	54.00	53.96	53.31	53.50	53.93	53.86	53.52	53.36	53.04	52.68	52.41
25	54.20	53.98	53.92	53.35	53.50	53.93	53.85	53.53	53.34	53.02	52.66	52.38
26	54.20	53.94	53.88	53.37	53.49	53.92	53.83	53.56	53.31	53.08	52.64	52.37
27	54.25	53.93	53.84	53.35	53.49	53.91	53.82	53.56	53.29	53.06	52.62	52.36
28	54.57	54.03	53.87	53.33	53.53	53.91	53.81	53.62	53.28	53.03	52.63	52.34
29	54.67	54.01	53.84	53.33	---	53.90	53.80	53.61	53.38	53.01	52.59	52.33
30	54.79	53.98	53.82	53.33	---	53.89	53.79	53.61	53.37	52.99	52.55	52.30
31	54.83	---	53.80	53.33	---	53.89	---	53.61	---	52.97	52.53	---
MAX	54.83	54.80	54.18	53.77	53.55	53.99	53.95	53.81	53.61	53.35	52.95	52.58
MIN	53.05	53.93	53.71	53.31	53.33	53.40	53.79	53.52	53.28	52.97	52.53	52.30

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 1.5 ml southeast of gage.

PERIOD OF RECORD.--Water years 1963, 1967, 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 07...	1330	114	6.50	22.5	0	3.0	9.6	5.5	K1	<1
JAN 06...	1100	99	6.20	9.5	0	10	9.1	1.3	K6	K9
APR 07...	1200	101	6.90	24.0	0	6.0	9.2	2.1	K1	K1
JUL 07...	1115	95	9.30	32.5	20	4.0	13.1	6.0	K1	110

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 07...	39	9.0	4.0	5.5	4.1	41	1.4	8.0	0.1
JAN 06...	32	7.8	3.1	4.9	4.1	33	6.3	8.3	<0.1
APR 07...	34	8.3	3.2	4.9	3.3	32	5.2	7.7	<0.1
JUL 07...	24	4.6	3.1	5.0	4.2	30	3.4	8.1	0.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 07...	8.9	70	66	0.01	0.01	0.02	1.9	0.12	0.01
JAN 06...	5.9	57	60	0.01	0.01	0.02	1.2	0.06	0.02
APR 07...	4.7	64	56	0.01	0.01	0.02	0.67	0.09	0.02
JUL 07...	12	62	57	<0.01	<0.01	0.02	1.8	0.10	0.01

< Actual value is known to be less than the value shown.

K Results are based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECov. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)
OCT 07...	5	6	<1	2	10	<1	1	22	<3	22000	<5	30
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<1	1100	<0.1	<0.01	<3	92	<0.01	2	<0.1	<1	<0.1	<1
DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<0.01	<0.1	<0.1	<1	<0.01	6.6	<0.01	28	<0.01	<0.1	<0.01	<0.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 07...	<0.01	<0.1	<0.1	<1	<1	<10	<0.01	<0.1	0.7	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA

LOCATION.--Lat 31°37'30", long 91°32'35", in lot 57, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, on upstream side of second control structure at Ferriday.

DRAINAGE AREA.--8.9 mi².

PERIOD OF RECORD.--Water years 1961, 1967, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 07...	1230	315	7.5	23.0	5	3.0	11.3	5.4	K2	<1
JAN 06...	1045	301	8.0	9.5	0	6.0	9.1	1.1	K4	K5
APR 07...	1130	348	8.1	24.5	0	5.0	9.5	3.1	K1	K3
JUL 07...	1045	332	7.6	32.5	15	4.0	8.7	3.8	<1	80

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT 07...	140	34	13	9.2	3.8	150	0.5	8.9	0.2
JAN 06...	150	39	12	8.3	3.8	152	5.2	8.0	0.1
APR 07...	160	42	14	9.0	1.7	163	6.1	8.1	0.1
JUL 07...	140	33	14	9.1	4.0	153	3.8	9.0	0.2

DATE	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 07...	15	190	170	0.01	0.01	0.02	1.3	0.21	0.10
JAN 06...	8.3	185	180	0.07	0.08	0.06	1.1	0.07	0.01
APR 07...	2.8	191	180	---	0.03	0.02	1.2	0.06	0.01
JUL 07...	17	186	180	0.01	0.01	0.54	1.8	0.40	0.23

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM REC.OV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, REC.OV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, REC.OV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, REC.OV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 07...	20	4	<1	2	8	<1	12	17	4	15000	<5
DATE	LEAD, REC.OV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, REC.OV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC.OV- ERABLE (UG/L AS HG)	MERCURY REC.OV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, REC.OV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 07...	30	28	910	0.1	<0.01	6	68	6.6	<0.01	8	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<1	<0.1	<1	<0.01	<1	<0.1	1	<0.01	0.2	<0.01	1.8
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<1	<0.01	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 07...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 07...	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

073732805 LAKE CONCORDIA AT FERRIDAY, LA

LOCATION.--Lat 31°37'30", long 91°32'35", in lot 57, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, on upstream side of second control structure at Ferriday.

DRAINAGE AREA.--8.91 mi².

PERIOD OF RECORD.--January 1967 to September 1976 (gage heights only). October 1976 to September 1986, elevations only (discontinued). Published as Lake Concordia near Ferriday, January 1967 to September 1980.

REVISED RECORDS.--WDR LA-81-1: 1977-80(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 28.00 ft higher. Prior to Apr. 9, 1981, at site 3.5 mi northeast of Ferriday at same datum.

REMARKS.--Lake is formed from an oxbow lake by two adjacent structures on Bayou Cocodrie. One structure, built about 1948, is a 4.0-ft pipe with invert at 46.0 ft. The second structure is a 5.0-ft pipe with a single gate. The invert of this pipe is 42.0 ft. This structure was built about 1975 to permit the lowering of the lake when needed. Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 55.33 ft, present datum, May 14, 1973; minimum, 47.48 ft, present datum, Nov. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 50.54 ft Oct. 29; minimum, 48.37 ft Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.69	50.35	49.77	49.72	49.62	49.56	49.63	49.51	49.40	49.33	48.99	48.57
2	49.64	50.30	49.75	49.70	49.63	49.56	49.62	49.58	49.39	49.30	48.98	48.55
3	49.60	50.24	49.72	49.70	49.63	49.56	49.61	49.55	49.38	49.32	48.97	48.55
4	49.58	50.16	49.69	49.69	49.63	49.56	49.60	49.53	49.38	49.30	48.95	48.55
5	49.57	50.08	49.68	49.68	49.79	49.55	49.59	49.51	49.39	49.27	48.92	48.53
6	49.54	50.01	49.66	49.67	49.76	49.56	49.58	49.50	49.39	49.26	48.89	48.52
7	49.52	49.94	49.65	49.71	49.75	49.53	49.57	49.50	49.38	49.24	48.93	48.50
8	49.50	49.88	49.65	49.70	49.74	49.54	49.55	49.49	49.40	49.23	48.91	48.49
9	49.49	49.83	49.65	49.67	49.73	49.53	49.60	49.48	49.39	49.21	48.90	48.47
10	49.48	49.80	49.65	49.68	49.71	49.52	49.55	49.47	49.39	49.19	48.88	48.44
11	49.47	49.77	49.64	49.68	49.67	49.53	49.54	49.47	49.42	49.17	48.91	48.42
12	49.46	49.75	49.86	49.67	49.64	49.55	49.65	49.46	49.42	49.14	48.94	48.60
13	49.46	49.73	50.06	49.67	49.63	49.63	49.67	49.45	49.41	49.12	48.92	48.59
14	49.50	49.72	50.06	49.66	49.61	49.65	49.65	49.44	49.39	49.10	48.90	48.57
15	49.78	49.71	50.02	49.65	49.64	49.63	49.64	49.42	49.37	49.08	48.88	48.55
16	49.91	49.80	49.98	49.65	49.63	49.61	49.62	49.41	49.36	49.06	48.86	48.53
17	49.89	49.78	49.93	49.65	49.64	49.61	49.60	49.40	49.34	49.04	48.86	48.52
18	49.84	49.77	49.89	49.65	49.64	49.60	49.58	49.41	49.33	49.07	48.85	48.51
19	49.80	49.75	49.85	49.65	49.65	50.07	49.57	49.41	49.32	49.06	48.83	48.49
20	49.91	49.74	49.82	49.64	49.64	50.08	49.65	49.39	49.30	49.05	48.81	48.48
21	50.03	49.70	49.79	49.64	49.65	50.01	49.63	49.37	49.28	49.03	48.79	48.50
22	49.98	49.66	49.77	49.65	49.63	49.92	49.61	49.36	49.28	49.14	48.78	48.50
23	50.06	49.65	49.76	49.65	49.61	49.86	49.59	49.33	49.25	49.13	48.75	48.49
24	50.12	49.64	49.75	49.63	49.60	49.82	49.57	49.33	49.24	49.11	48.73	48.47
25	50.08	49.64	49.74	49.64	49.60	49.78	49.56	49.34	49.22	49.09	48.72	48.45
26	50.02	49.64	49.71	49.67	49.58	49.75	49.55	49.38	49.20	49.11	48.70	48.44
27	50.02	49.64	49.71	49.66	49.59	49.72	49.54	49.37	49.18	49.10	48.68	48.43
28	50.32	49.76	49.75	49.63	49.59	49.71	49.55	49.41	49.16	49.08	48.68	48.41
29	50.37	49.75	49.73	49.63	---	49.68	49.54	49.40	49.36	49.06	48.65	48.40
30	50.44	49.72	49.72	49.63	---	49.66	49.52	49.40	49.34	49.04	48.60	48.38
31	50.40	---	49.72	49.62	---	49.65	---	49.40	---	49.02	48.58	---
MAX	50.44	50.35	50.06	49.72	49.79	50.08	49.67	49.58	49.42	49.33	48.99	48.60
MIN	49.46	49.64	49.64	49.62	49.58	49.52	49.52	49.33	49.16	49.02	48.58	48.38

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°45'30", long 91°23'45", in lot 31, T.3 S., R.11 E., Pointe Coupee-West Feliciana Parish line, Hydrologic Unit 08070100, at State Highway 10 Ferry Crossing, 2.0 mi southwest of St. Francisville, and at mile 266.0.

DRAINAGE AREA.--1,125,300 mi², contributing.

PERIOD OF RECORD.--Water years 1954 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1972, October 1974 to current year.

WATER TEMPERATURES: August 1954 to September 1972, October 1974 to current year.

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to current year.

DISSOLVED SOLIDS: October 1978 to current year.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, MS (station 07295100). Corps of Engineers station 01139.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 683 micromhos Oct. 16, 1955; minimum daily, 173 micromhos Apr. 15, 1955.

WATER TEMPERATURES: Maximum daily, 34.0°C July 14-19, 1986; minimum daily, 1.0°C Jan. 29, 30, 1961.

SULFATE: Maximum daily, 90 mg/L Oct. 14, 1957; minimum daily, 21 mg/L May 20, 1978.

CHLORIDE: Maximum daily, 63 mg/L July 5, 1977; minimum daily, 7.2 mg/L Nov. 2, 1984.

DISSOLVED SOLIDS: Maximum, 321 mg/L Jan. 21-31, 1981; minimum, 150 mg/L Dec. 21-31, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 518 microsiemens Aug. 27, 28; minimum daily 299 microsiemens Dec. 16.

WATER TEMPERATURES: Maximum daily, 34.0°C July 14-19; minimum daily, 6.0°C Feb. 13, 16.

CHLORIDE: Maximum daily, 38 mg/L Nov. 22; minimum daily, 13 mg/L June 30, July 25, 29.

DISSOLVED SOLIDS: Maximum, 310 mg/L July 11-20; minimum, 200 mg/L Dec. 1-10, 11-20.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT												
01...	1100	223000	457	7.90	21.0	5	30	<1.0	7.5	0.9	12	K200
NOV												
18...	1445	507000	411	7.90	16.0	5	65	<1.0	9.1	2.3	21	800
DEC												
03...	1100	913000	292	7.60	10.5	20	120	<1.0	9.3	1.0	22	2200
JAN												
28...	1100	304000	453	7.50	5.5	5	30	<1.0	11.0	3.7	29	720
FEB												
18...	1145	747000	356	7.40	10.5	15	87	<1.0	10.3	1.4	46	1200
MAR												
17...	1215	462000	409	7.60	11.5	5	40	<1.0	10.2	1.7	44	400
APR												
15...	1015	529000	425	7.80	18.0	15	60	<1.0	8.2	1.0	45	900
MAY												
06...	0930	499000	407	7.80	18.0	10	35	<1.0	8.5	1.9	33	580
JUN												
16...	1115	665000	413	8.20	26.5	15	55	<1.0	6.4	0.4	29	440
JUL												
21...	0930	443000	468	7.90	29.5	15	100	<1.0	6.8	0.7	24	1000
AUG												
12...	1100	258000	479	7.80	29.0	10	62	<1.0	6.8	1.1	20	K94
SEP												
02...	1130	234000	499	7.90	27.5	10	60	<1.0	7.9	1.6	<10	K300

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 01...	K22	42	170	43	15	24	3.4	128	58	17	—	2.0
NOV 18...	100	80	140	35	13	21	3.8	101	56	24	—	—
DEC 03...	160	400	120	32	9.0	12	3.7	77	38	21	0.2	7.3
JAN 28...	46	50	190	46	18	18	3.2	144	50	19	—	—
FEB 18...	80	180	140	36	11	16	3.1	86	48	22	0.1	7.1
MAR 17...	K16	K12	160	42	13	19	3.0	106	55	23	—	—
APR 15...	92	160	160	42	16	19	3.4	117	44	28	0.2	7.5
MAY 06...	K4	K14	170	43	15	16	3.1	117	54	17	—	—
JUN 16...	K30	K32	160	42	14	17	3.5	115	48	21	0.2	6.9
JUL 21...	140	K18	180	47	16	22	3.7	133	64	21	—	—
AUG 12...	K18	K18	190	49	16	19	3.8	152	50	21	0.2	7.6
SEP 02...	K32	K6	180	46	16	26	3.8	133	73	24	—	—

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 01...	272	240	102	<0.01	<0.01	0.4	0.36	<0.01	0.04	0.7	0.9	0.16
NOV 18...	—	—	182	0.01	—	1.4	—	—	—	—	0.55	0.35
DEC 03...	185	180	248	0.03	0.01	1.3	1.3	0.05	0.05	1.0	0.5	0.22
JAN 28...	—	—	120	0.02	—	1.6	—	—	—	—	0.53	0.16
FEB 18...	212	200	204	0.03	0.03	1.7	1.7	—	0.09	1.0	0.8	0.12
MAR 17...	—	—	133	0.03	—	1.9	—	—	—	—	0.55	0.23
APR 15...	248	230	140	0.03	0.02	2.6	2.4	0.07	0.03	0.8	0.5	0.21
MAY 06...	—	—	85	0.03	—	1.8	—	—	—	—	0.40	0.16
JUN 16...	226	220	202	0.01	<0.01	2.2	2.2	0.03	—	0.9	0.8	0.29
JUL 21...	—	—	323	0.01	—	2.4	—	—	—	—	0.70	0.40
AUG 12...	283	260	137	0.01	<0.01	2.1	2.1	—	0.09	1.1	0.8	0.29
SEP 02...	—	—	124	0.01	—	1.4	—	—	—	—	0.93	0.31

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	PHOS- PHORUS, DIS- SOL VED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOL VED (MG/L AS P)	ALUM- INUM, DIS- SOL VED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOL VED (UG/L AS AS)	BARIUM, DIS- SOL VED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOL VED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOL VED (UG/L AS CD)	CHRO- MIUM, DIS- SOL VED (UG/L AS CR)
OCT 01...	0.10	0.08	<10	2	2	71	<10	—	<1	2	<1
NOV 18...	—	—	—	2	1	—	<10	2	1	1	—
DEC 03...	0.06	0.05	—	3	1	—	<10	<0.5	<1	<1	—
JAN 28...	—	—	—	2	1	—	<10	—	<1	—	—
FEB 18...	0.06	0.04	40	2	<1	53	<10	<0.5	4	1	<1
MAR 17...	—	—	—	2	<1	—	<10	<0.5	1	<1	—
APR 15...	0.07	0.05	20	2	1	59	<10	<0.5	1	<1	<1
MAY 06...	—	—	—	2	1	—	<10	<0.5	1	<1	—
JUN 16...	0.10	0.07	—	3	2	—	<10	<0.5	1	<1	—
JUL 21...	—	—	—	4	2	—	<10	<0.5	1	<1	—
AUG 12...	0.10	0.10	—	3	—	—	<10	—	1	—	—
SEP 02...	—	—	—	3	2	—	<10	0.7	<1	<1	—

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COBALT, DIS- SOL VED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOL VED (UG/L AS CU)	IRON, DIS- SOL VED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOL VED (UG/L AS PB)	LITHIUM DIS- SOL VED (UG/L AS LI)	MANGA- NESE, DIS- SOL VED (UG/L AS MN)	MERCURY DIS- SOL VED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
OCT 01...	<1	<3	32	5	7	—	<5	17	2	0.1	—
NOV 18...	<1	—	25	9	12	16	<5	—	—	<0.1	<0.1
DEC 03...	<1	—	17	5	57	12	<5	—	—	<0.1	<0.1
JAN 28...	<1	—	10	4	2	6	<5	—	—	<0.1	<0.1
FEB 18...	<1	<3	10	6	64	9	<5	7	5	<0.1	<0.1
MAR 17...	<1	—	49	6	17	11	<5	—	—	<0.1	<0.1
APR 15...	<1	<3	12	4	7	8	<5	8	<1	<0.1	<0.1
MAY 06...	<1	—	12	6	13	<5	<5	—	—	<0.1	<0.1
JUN 16...	<1	—	40	5	29	13	<5	—	—	<0.1	0.1
JUL 21...	<1	—	16	7	5	10	<5	—	—	<0.1	0.1
AUG 12...	<1	—	4	—	—	<5	—	—	—	—	<0.1
SEP 02...	<1	—	20	8	6	6	<5	—	—	<0.1	0.1

< Actual value is known to be less than the value shown.

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 01...	<10	14	12	<1	<1	<1	<6	100	11	3.6	<0.01
NOV 18...	—	11	5	<1	<1	—	1	60	15	6.4	<0.01
DEC 03...	—	16	2	<1	<1	—	2	60	3	8.6	<0.01
JAN 28...	—	6	—	<1	<1	—	<1	40	—	5.0	<0.01
FEB 18...	<10	4	5	1	1	<1	<6	<10	24	8.0	<0.01
MAR 17...	—	3	4	<1	<1	—	<1	60	9	6.0	<0.01
APR 15...	<10	9	1	1	<1	<1	<6	30	5	5.7	<0.01
MAY 06...	—	9	8	1	<1	—	3	30	10	7.5	<0.01
JUN 16...	—	19	2	1	1	—	1	50	8	6.7	<0.01
JUL 21...	—	12	3	1	<1	—	3	40	5	10	<0.01
AUG 12...	—	4	—	<1	—	—	—	20	—	5.0	<0.01
SEP 02...	—	12	4	1	1	—	3	30	5	7.0	<0.01

DATE	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
OCT 01...	1	9	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001
NOV 18...	3	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001
DEC 03...	2	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001
JAN 28...	2	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	<0.001
FEB 18...	2	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001
MAR 17...	<1	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	<0.001
APR 15...	<1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.002	<0.001	0.01	0.002
MAY 06...	2	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001
JUN 16...	2	3	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001	<0.01	0.002
JUL 21...	3	4	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001
AUG 12...	2	2	—	—	—	—	—	—	—	—	—
SEP 02...	2	3	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	0.004

< Actual value is known to be less than the value shown.

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 01...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 18...	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 03...	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 28...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 18...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 17...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
APR 15...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 06...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 16...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 21...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 02...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 01...	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	111	66800	94
NOV 18...	<0.01	<0.1	<1	<0.01	0.07	<0.01	<0.01	<0.01	228	312000	76
DEC 03...	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	361	890000	69
JAN 28...	<0.01	<0.1	<1	<0.01	0.03	<0.01	<0.01	<0.01	119	97700	77
FEB 18...	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01	429	865000	65
MAR 17...	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01	155	193000	72
APR 15...	<0.01	<0.1	<1	<0.01	0.05	<0.01	<0.01	<0.01	168	240000	89
MAY 06...	<0.01	<0.1	<1	<0.01	0.06	<0.01	<0.01	<0.01	—	—	—
JUN 16...	<0.01	<0.1	<1	<0.01	0.06	<0.01	<0.01	<0.01	261	469000	84
JUL 21...	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	394	471000	93
AUG 12...	—	—	—	—	<0.01	<0.01	<0.01	<0.01	173	121000	95
SEP 02...	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	207	131000	98

< Actual value is known to be less than the value shown.

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	466	378	316	384	449	358	374	392	420	---	377	---
2	470	373	318	385	473	356	372	388	418	---	---	460
3	467	395	316	385	472	355	375	395	418	501	---	463
4	468	398	315	386	473	355	368	---	417	499	448	462
5	470	402	315	386	473	376	369	---	416	499	447	462
6	470	405	315	386	468	377	370	419	415	499	448	461
7	467	405	326	344	473	377	---	---	418	497	448	460
8	---	407	326	345	468	380	---	---	410	499	479	464
9	---	407	326	358	468	380	---	475	406	498	478	462
10	385	405	327	364	465	378	---	473	407	498	478	484
11	387	405	333	363	466	378	---	476	405	493	478	484
12	386	406	333	417	469	376	---	472	404	493	477	497
13	385	---	333	422	443	372	422	476	407	499	480	490
14	392	426	300	420	440	370	423	472	405	510	496	486
15	392	428	300	421	437	364	422	473	407	510	495	465
16	390	---	299	420	437	363	423	474	406	511	496	467
17	---	---	300	427	437	387	423	---	397	509	497	462
18	---	488	310	435	---	388	---	---	401	509	492	468
19	---	487	312	425	---	386	408	414	394	508	496	464
20	460	487	310	403	362	388	401	426	398	510	492	465
21	462	487	310	393	362	385	401	439	---	492	498	361
22	459	486	326	425	362	370	403	437	---	490	496	357
23	459	486	327	---	351	371	404	439	424	---	---	357
24	460	---	325	418	352	372	402	438	423	---	---	357
25	461	---	313	408	350	373	401	441	424	395	516	360
26	460	310	318	450	350	374	393	---	424	394	517	358
27	370	313	---	414	350	372	392	---	424	393	518	358
28	373	313	---	426	356	372	393	417	426	394	518	360
29	375	310	386	457	---	373	394	422	424	384	516	361
30	377	310	385	---	---	372	392	415	423	380	515	358
31	375	---	386	450	---	372	---	417	---	380	514	---
MAX	470	488	386	457	473	388	---	---	426	511	518	516
MIN	370	310	299	344	350	355	---	---	394	380	377	357

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	13.0	7.0	10.0	13.0	19.0	23.0	---	30.0	30.0
2	---	19.0	13.0	13.0	7.0	10.0	13.0	19.0	23.0	---	---	30.0
3	---	19.0	---	13.0	7.0	10.0	13.0	19.0	23.0	31.0	---	30.0
4	---	19.0	13.0	13.0	7.0	10.0	13.0	---	25.0	31.0	30.0	30.0
5	21.0	19.0	13.0	13.0	7.0	10.0	13.0	---	25.0	31.0	30.0	30.0
6	21.0	19.0	13.0	13.0	7.0	10.0	13.0	19.0	25.0	32.0	30.0	30.0
7	21.0	19.0	13.0	13.0	7.0	10.0	---	---	23.0	32.0	30.0	30.0
8	---	19.0	13.0	13.0	7.0	10.0	---	---	23.0	32.0	30.0	30.0
9	---	19.0	13.0	13.0	7.0	10.0	---	19.0	23.0	32.0	30.0	30.0
10	29.0	19.0	13.0	---	7.0	10.0	---	19.0	23.0	33.0	30.0	30.0
11	29.0	19.0	---	---	7.0	10.0	---	19.0	23.0	33.0	30.0	30.0
12	29.0	19.0	13.0	8.0	---	11.0	---	19.0	23.0	33.0	30.0	30.0
13	29.0	---	13.0	8.0	6.0	11.0	17.0	19.0	23.0	33.0	30.0	30.0
14	29.0	19.0	13.0	8.0	7.0	11.0	17.0	---	23.0	34.0	30.0	30.0
15	29.0	19.0	13.0	8.0	7.0	11.0	17.0	---	23.0	34.0	30.0	30.0
16	29.0	---	13.0	8.0	6.0	11.0	19.0	23.0	25.0	34.0	30.0	30.0
17	29.0	---	13.0	8.0	7.0	11.0	19.0	---	25.0	34.0	30.0	30.0
18	---	---	11.0	8.0	---	11.0	---	---	25.0	34.0	30.0	30.0
19	---	19.0	11.0	8.0	---	11.0	19.0	23.0	25.0	34.0	30.0	30.0
20	29.0	19.0	11.0	8.0	7.0	11.0	19.0	23.0	25.0	---	30.0	30.0
21	29.0	19.0	11.0	9.0	7.0	11.0	19.0	23.0	---	29.0	30.0	30.0
22	29.0	18.0	13.0	9.0	7.0	11.0	19.0	23.0	---	29.0	30.0	30.0
23	29.0	18.0	13.0	---	10.0	11.0	19.0	23.0	25.0	---	---	30.0
24	29.0	---	13.0	9.0	10.0	11.0	19.0	23.0	25.0	---	---	30.0
25	29.0	---	13.0	9.0	10.0	11.0	19.0	23.0	25.0	31.0	30.0	30.0
26	29.0	16.0	13.0	7.0	10.0	11.0	19.0	---	25.0	31.0	30.0	30.0
27	29.0	16.0	---	7.0	10.0	11.0	19.0	---	25.0	31.0	30.0	30.0
28	29.0	16.0	---	7.0	10.0	11.0	19.0	23.0	25.0	31.0	30.0	30.0
29	29.0	16.0	13.0	7.0	---	11.0	19.0	23.0	25.0	31.0	30.0	30.0
30	29.0	---	13.0	---	---	13.0	19.0	23.0	25.0	30.0	30.0	30.0
31	---	---	13.0	7.0	---	13.0	---	23.0	---	30.0	30.0	---
MAX	---	---	13.0	13.0	10.0	13.0	---	---	25.0	34.0	30.0	30.0
MIN	---	---	11.0	7.0	6.0	10.0	---	---	23.0	29.0	30.0	30.0

LOWER MISSISSIPPI RIVER BASIN

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	28	17	19	20	19	18	20	24	---	16	24
2	23	28	15	20	24	18	18	20	24	---	---	24
3	26	32	16	21	26	18	19	19	24	20	---	19
4	26	30	16	25	25	19	18	---	25	19	19	20
5	26	26	15	21	26	18	17	---	22	19	18	19
6	28	24	15	19	30	19	19	18	18	18	19	17
7	26	26	15	19	28	18	---	---	19	20	---	18
8	---	26	17	16	28	18	---	---	17	17	---	19
9	---	27	18	19	29	19	---	19	16	19	15	21
10	18	25	20	21	33	21	---	21	17	18	18	20
11	17	26	17	22	32	22	---	20	15	19	16	22
12	16	25	18	24	30	20	---	19	17	20	15	21
13	17	---	16	22	30	19	22	17	15	20	17	21
14	17	24	14	22	28	19	27	19	17	21	18	22
15	19	22	16	22	27	18	25	19	16	19	19	21
16	19	---	14	23	29	20	22	18	15	21	19	21
17	---	---	14	23	29	22	21	---	15	19	18	21
18	---	34	17	26	---	23	---	---	18	18	17	21
19	---	35	15	23	---	22	24	18	15	18	16	22
20	24	33	15	26	23	21	20	17	16	20	17	22
21	26	32	17	29	21	21	21	22	---	18	18	20
22	25	38	18	24	21	21	21	20	---	16	19	20
23	26	36	20	---	22	20	20	24	16	---	---	24
24	25	---	18	23	21	18	20	23	15	---	---	25
25	22	---	16	21	17	20	20	23	17	13	18	23
26	25	15	17	20	20	19	19	---	16	14	24	24
27	26	17	---	20	18	19	18	---	17	17	24	23
28	28	17	---	20	20	20	20	27	17	14	24	23
29	28	16	26	22	---	19	18	22	18	13	25	23
30	27	17	24	---	---	19	19	24	13	15	23	24
31	27	---	21	23	---	17	---	22	---	16	22	---
MAX	28	38	26	29	33	23	---	---	25	21	25	25
MIN	14	15	14	16	17	17	---	---	13	13	15	17

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT	
01-10	276
11-20	246
21-31	260
NOV	
01-10	245
11-20	275
21-30	235
DEC	
01-10	200
11-20	200
21-31	220
JAN	
01-10	230
11-20	260
21-31	259
FEB	
01-10	290
11-20	263
21-28	220
MAR	
01-10	235
11-20	231
21-31	229

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
APR	
01-10	239
11-20	260
21-30	249
MAY	
01-10	273
11-20	285
21-31	272
JUN	
01-10	264
11-20	250
21-30	261
JUL	
01-10	300
11-20	310
21-31	258
AUG	
01-10	277
11-20	278
21-31	300
SEP	
01-10	272
11-20	281
21-30	225

07373430 THOMPSON CREEK NEAR NORWOOD, LA

LOCATION.--Lat 30°58'12", long 91°11'31", in SW1/4, sec.70, T.1 S., R.1 W., East Feliciana-West Feliciana Parish line, Hydrologic Unit 08070201, at bridge on dirt road, 3.0 mi upstream from Lost Creek, and 5.0 mi west of Norwood.

DRAINAGE AREA.--41 mi² approximately.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 17...	1045	14	74	7.30	25.0	30	20	9.2	1.5
JAN 08...	1400	26	61	7.10	8.0	10	20	10.8	0.7
APR 21...	1500	43	50	7.30	24.5	50	45	8.4	2.3
JUL 23...	1145	9.5	72	7.20	29.5	20	9.0	8.7	1.0

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 17...	800	340	17	4.1	1.7	6.1	2.4	17	4.8
JAN 08...	1400	1600	14	3.2	1.5	5.4	2.1	13	6.8
APR 21...	920	460	11	2.5	1.1	4.1	2.3	9	8.0
JUL 23...	90	130	16	3.6	1.6	6.3	2.1	18	5.0

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 17...	7.8	<0.1	17	64	54	0.02	0.38	0.07
JAN 08...	7.0	<0.1	18	64	52	0.06	0.31	0.08
APR 21...	5.0	<0.1	13	44	41	0.18	0.57	0.07
JUL 23...	7.7	<0.1	22	57	59	0.02	<0.20	0.04

< Actual value is known to be less than the value shown.

07373430 THOMPSON CREEK NEAR NORWOOD, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
OCT 17...		1	<1	<1	<1	3	<1	5	<1	200	1100	<5
DATE	LEAD, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC OV- ERABLE (UG/L AS HG)	MERCURY REC OV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	
OCT 17...	<10	12	81	<0.1	<0.01	13	3	3.8	<0.01	4	<0.1	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 17...	<1	<0.1	<1	<0.001	<0.1	<0.1	<1	<0.001	<0.1	<0.001	<0.1	
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 17...	<0.001	<0.1	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1		
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 17...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1		
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 17...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1		
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)		
OCT 17...	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01		

< Actual value is known to be less than the value shown.

07373430 THOMPSON CREEK NEAR NORWOOD, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	20	.76	80
JAN 08...	54	3.7	54
APR 21...	43	5.0	53
JUL 23...	7	.18	98

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)

LOCATION.--Lat 30°17'00", long 91°13'21", T.9 S., R.12 E., Louisiana meridian, Iberville Parish, Hydrologic Unit 08070100, cross section of river at west bank ferry landing at Plaquemine, and at mile 208.0.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 01...	1500	446	7.90	22.0	5	25	<1.0	7.6	12	2.1
NOV 19...	0900	411	7.70	16.0	5	75	<1.0	8.7	33	1.8
DEC 03...	1500	297	7.60	11.0	20	130	<1.0	9.2	26	1.6
JAN 29...	1030	452	7.80	7.0	5	30	<1.0	10.8	26	0.2
FEB 18...	1600	368	7.70	8.0	20	130	<1.0	10.3	53	1.6
MAR 17...	1615	410	7.80	11.5	5	40	<1.0	10.2	56	1.5
APR 15...	1415	438	7.70	18.0	15	80	<1.0	8.5	31	0.7
MAY 06...	1430	410	7.80	19.0	10	30	<1.0	8.6	22	1.5
JUN 16...	1500	390	7.80	26.0	15	75	<1.0	6.8	19	1.1
JUL 21...	1330	477	8.00	30.0	15	95	<1.0	6.6	27	0.2
AUG 12...	1330	482	7.80	29.0	5	45	<1.0	6.8	25	1.2
SEP 02...	1600	521	7.90	27.5	10	30	<1.0	7.9	<10	1.9

DATE	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	ALKALINITY, WH. WAT. TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT 01...	9600	K850	160	40	15	131	57	18	72	0.01
NOV 19...	7600	K1100	160	43	13	100	58	25	197	0.02
DEC 03...	4600	570	120	32	8.9	83	33	17	270	0.04
JAN 29...	10000	K200	190	50	17	145	48	23	98	0.02
FEB 18...	3400	360	140	36	11	103	46	23	284	0.04
MAR 17...	4800	480	160	41	13	110	57	27	103	0.03
APR 15...	7400	1200	160	42	13	118	43	32	136	0.04
MAY 06...	6000	900	170	43	14	119	53	18	94	0.03
JUN 16...	4800	K900	160	41	13	114	52	22	223	0.02
JUL 21...	3600	K700	180	47	16	132	69	23	255	0.01
AUG 12...	9800	1000	190	48	16	146	57	25	157	0.01
SEP 02...	K4200	720	190	47	17	149	75	27	68	<0.01

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 01...	0.43	0.63	0.15	2	1	<10	1	<1	<1	<10
NOV 19...	1.4	0.37	0.37	1	1	<10	2	1	<1	<10
DEC 03...	1.2	0.57	0.38	3	1	<10	<0.5	<1	<1	10
JAN 29...	1.7	0.58	0.12	2	1	<10	<0.5	<1	<1	<10
FEB 18...	2.0	0.65	0.36	3	<1	<10	<0.5	4	<1	<10
MAR 17...	1.8	0.48	0.24	2	<1	<10	<0.5	<1	<1	<10
APR 15...	2.6	--	0.26	2	1	<10	<0.5	<1	<1	<10
MAY 06...	1.8	0.50	0.16	2	1	<10	<0.5	1	<1	<10
JUN 16...	2.3	0.60	0.36	3	2	<10	<0.5	<1	<1	20
JUL 21...	2.3	0.42	0.30	3	2	<10	<0.5	1	<1	10
AUG 12...	2.2	0.73	0.32	3	2	<10	0.9	1	<1	<10
SEP 02...	0.24	0.52	1.3	<1	2	<10	0.7	<1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 01...	<1	12	4	22	7	<5	<0.1	<0.1	4	3
NOV 19...	<1	15	7	26	15	<5	<0.1	<0.1	9	4
DEC 03...	<1	16	4	59	15	<5	0.2	<0.1	11	2
JAN 29...	<1	8	4	17	10	<5	<0.1	<0.1	8	2
FEB 18...	<1	20	5	52	14	<5	<0.1	<0.1	6	5
MAR 17...	<1	--	--	13	8	<5	<0.1	<0.1	4	2
APR 15...	<1	50	4	6	10	<5	0.1	<0.1	12	1
MAY 06...	<1	11	3	19	<5	<5	<0.1	<0.1	4	4
JUN 16...	<1	27	6	8	14	<5	0.1	<0.1	12	2
JUL 21...	<1	13	3	11	8	<5	<0.1	0.1	9	2
AUG 12...	<1	12	5	4	7	<5	<0.1	<0.1	10	3
SEP 02...	<1	11	5	4	6	<5	<0.1	0.2	7	3

< Actual value is known to be less than the value shown.

LOWER MISSISSIPPI RIVER BASIN

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 01...	<1	<1	1	40	9	4.1	<0.01	3	<1
NOV 19...	<1	<1	1	20	14	6.9	<0.01	4	<1
DEC 03...	<1	<1	<1	70	13	9.6	<0.01	<1	<1
JAN 29...	<1	<1	1	30	17	5.4	<0.01	4	3
FEB 18...	1	1	2	20	8	8.8	<0.01	3	<1
MAR 17...	<1	<1	8	30	3	5.6	<0.01	1	1
APR 15...	1	<1	<1	30	5	8.8	<0.01	<1	<1
MAY 06...	1	<1	6	30	8	7.0	<0.01	1	<1
JUN 16...	1	1	1	30	5	7.1	<0.01	<1	<1
JUL 21...	1	1	3	30	10	9.4	<0.01	2	4
AUG 12...	<1	<1	2	30	16	7.6	<0.01	1	2
SEP 02...	1	1	3	20	12	5.9	<0.01	5	2

< Actual value is known to be less than the value shown.

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R.15 E., St. James Parish, Hydrologic Unit 08070100, cross section on downstream side of Sunshine Bridge on State Highway 3089, 0.7 mi northwest of Union, and at mile 167.5.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 02...	1030	461	7.70	22.0	0	15	<1.0	7.4	10	0.7
NOV 19...	1055	422	7.60	16.0	5	65	<1.0	8.6	23	1.4
DEC 04...	1045	298	7.70	11.0	20	70	<1.0	8.9	22	1.2
JAN 29...	1230	466	7.80	6.5	10	25	<1.0	11.2	21	1.2
FEB 19...	1045	368	7.80	8.5	20	110	<1.0	11.0	38	2.3
MAR 18...	1115	413	7.70	11.5	5	40	<1.0	10.2	43	1.5
APR 16...	1015	437	7.80	18.0	15	85	<1.0	8.1	29	0.5
MAY 07...	0945	409	7.80	19.0	5	30	<1.0	8.4	25	1.6
JUN 17...	1000	406	7.70	26.0	15	65	<1.0	6.2	30	0.4
JUL 22...	0930	485	7.90	29.5	15	95	<1.0	6.4	32	0.7
AUG 13...	1015	489	7.80	30.0	15	33	<1.0	6.7	35	0.7
SEP 03...	1130	516	7.70	28.0	10	15	<1.0	6.5	<10	1.3

DATE	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	ALKALINITY, WH WHAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 02...	1600	84	160	40	14	128	56	26	—	0.01
NOV 19...	4800	600	160	41	13	108	55	26	256	0.01
DEC 04...	3600	550	120	33	9.4	89	33	17	230	0.04
JAN 29...	7400	720	190	50	16	146	52	27	64	0.02
FEB 19...	2400	570	130	35	11	100	45	23	174	0.04
MAR 18...	5400	230	160	42	13	100	55	26	113	0.04
APR 16...	6400	230	160	42	13	116	44	32	159	0.03
MAY 07...	2000	260	170	43	14	122	53	18	105	0.03
JUN 17...	5200	170	150	40	13	116	45	21	214	0.02
JUL 22...	2400	370	180	46	16	132	70	25	296	0.01
AUG 13...	2600	500	190	49	16	146	59	25	111	0.01
SEP 03...	1800	310	190	47	17	148	74	24	27	<0.01

< Actual value is known to be less than the value shown.

LOWER MISSISSIPPI RIVER BASIN

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 02...	0.5	0.57	0.14	2	1	<10	<0.5	<1	<1	<10
NOV 19...	1.4	0.43	0.39	2	1	<10	2	2	2	10
DEC 04...	1.4	0.61	0.42	3	1	<10	<0.5	<1	<1	<10
JAN 29...	1.7	0.57	0.12	2	1	<10	<0.5	1	<1	<10
FEB 19...	1.8	0.27	0.40	3	<1	<10	<0.5	2	<1	<10
MAR 18...	1.8	0.53	0.24	2	<1	<10	<0.5	<1	<1	<10
APR 16...	2.5	0.55	0.27	3	1	<10	<0.5	<1	<1	<10
MAY 07...	1.7	0.40	0.16	2	1	<10	<0.5	<1	<1	<10
JUN 17...	2.0	0.88	0.33	3	1	<10	<0.5	<1	<1	<10
JUL 22...	2.4	0.48	0.42	4	2	<10	<0.5	1	<1	<10
AUG 13...	2.2	0.60	0.33	3	3	10	<0.5	1	<1	10
SEP 03...	1.3	0.63	0.33	3	2	<10	<0.5	<1	<1	10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 02...	<1	21	5	46	5	7	<0.1	—	9	11
NOV 19...	<1	12	5	77	10	<5	<0.1	<0.1	11	4
DEC 04...	<1	14	3	34	14	<5	0.1	<0.1	11	3
JAN 29...	<1	11	2	15	8	<5	<0.1	<0.1	8	1
FEB 19...	<1	14	5	39	11	<5	<0.1	<0.1	14	4
MAR 18...	<1	8	5	92	9	<5	<0.1	<0.1	5	4
APR 16...	<1	13	4	5	10	<5	<0.1	0.1	7	1
MAY 07...	<1	11	3	32	<5	<5	<0.1	<0.1	10	3
JUN 17...	<1	17	4	9	14	<5	<0.1	<0.1	5	2
JUL 22...	<1	16	3	7	8	<5	0.1	<0.1	11	2
AUG 13...	<1	11	3	<3	10	<5	<0.1	<0.1	7	3
SEP 03...	<1	16	8	11	<5	<5	<0.1	<0.1	7	6

< Actual value is known to be less than the value shown.

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 02...	<1	<1	1	9	7	3.7	<0.01	9	5
NOV 19...	<1	<1	1	40	8	7.4	<0.01	6	<1
DEC 04...	1	<1	<1	70	6	8.8	<0.01	3	<1
JAN 29...	<1	<1	<1	60	17	6.8	<0.01	1	3
FEB 19...	1	<1	2	30	13	14	<0.01	3	9
MAR 18...	1	1	1	30	7	6.2	<0.01	<1	3
APR 16...	1	<1	4	30	7	5.7	<0.01	<1	2
MAY 07...	<1	<1	2	40	9	7.3	<0.01	2	1
JUN 17...	1	<1	1	40	10	7.8	<0.01	3	3
JUL 22...	1	<1	3	30	7	6.5	<0.01	2	5
AUG 13...	1	<1	3	30	9	6.0	<0.01	<1	3
SEP 03...	1	1	3	20	8	4.1	<0.01	2	<1

< Actual value is known to be less than the value shown.

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)

LOCATION.--Lat 29°56'19", long 90°21'49", T.13 S., R.21 E., St. Charles Parish, Hydrologic Unit 08090100, at old Luling-Destrehan ferry crossing, 17 mi west of New Orleans, and at mile 120.6.

DRAINAGE AREA.--1,125,800 mi², arbitrarily determined.

PERIOD OF RECORD.--Water years 1958 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1957 to September 1972, October 1974 to September 1975, October 1976 to current year.

WATER TEMPERATURES: October 1957 to September 1972, October 1977 to current year.

CHLORIDE: October 1974 to September 1975, October 1976 to current year.

SULFATE: October 1974 to September 1975, October 1976 to September 1978.

DISSOLVED SOLIDS: October 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 636 micromhos Oct. 12, 1959; minimum daily, 194 micromhos Dec. 18, 1983.

WATER TEMPERATURES: Maximum daily, 38.5°C July 6, 7, 13, 1984; minimum daily, 2.0°C Jan. 14, 15, 1984.

CHLORIDE: Maximum daily, 69 mg/L June 24, 1977; minimum daily, 11 mg/L Mar. 22, 1975, June 12, 1983.

SULFATE: Maximum daily, 89 mg/L Oct. 10, 1977; minimum daily, 20 mg/L Feb. 8, Apr. 26, 1978.

DISSOLVED SOLIDS: Maximum, 339 mg/L Nov. 21-30, 1978; minimum, 152 mg/L Dec. 21-31, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 552 microsiemens Aug. 25; minimum daily, 310 microsiemens Nov. 30, Dec. 3.

WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 6; minimum daily, 3.0°C Jan. 7, 21.

CHLORIDE: Maximum daily, 40 mg/L Nov. 11; minimum daily, 15 mg/L Dec. 15.

DISSOLVED SOLIDS: Maximum, 323 mg/L Aug. 21-31; minimum, 204 mg/L Dec. 1-10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 02...	1330	501	7.90	24.0	5	10	<1.0	7.7	10	0.9
NOV 19...	1320	432	7.70	16.5	5	65	<1.0	8.7	20	2.6
DEC 04...	1330	303	7.60	11.0	30	90	<1.0	8.7	41	0.7
JAN 29...	1500	472	7.80	7.0	10	25	<1.0	10.6	26	0.4
FEB 19...	1345	372	7.80	8.0	15	140	<1.0	11.0	42	2.8
MAR 18...	1415	416	7.70	12.0	5	40	<1.0	10.2	39	1.3
APR 16...	1315	446	7.70	18.0	10	85	<1.0	8.2	21	0.9
MAY 07...	1315	417	7.80	19.0	10	25	<1.0	8.3	22	1.4
JUN 17...	1215	412	7.80	26.0	15	75	<1.0	6.2	11	0.3
JUL 22...	1245	506	8.00	29.5	10	75	<1.0	6.4	16	0.9
AUG 13...	1245	497	7.80	31.0	10	34	<1.0	6.5	17	1.1
SEP 03...	1500	526	7.80	28.0	10	12	<1.0	6.9	<10	1.7

< Actual value is known to be less than the value shown.

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 02...	440	170	170	43	14	125	62	35	14	0.01
NOV 19...	4600	550	160	42	13	110	55	29	142	0.01
DEC 04...	2800	920	120	34	9.3	85	32	18	266	0.04
JAN 29...	3800	360	190	50	16	144	38	28	55	0.02
FEB 19...	2400	560	140	37	11	89	54	22	--	0.04
MAR 18...	5000	300	160	42	13	101	57	26	102	0.01
APR 16...	7600	280	160	43	13	116	52	34	140	0.02
MAY 07...	1500	160	170	44	14	119	57	19	96	0.02
JUN 17...	1400	680	160	41	13	114	50	24	236	0.02
JUL 22...	2400	430	190	49	17	130	79	25	182	0.01
AUG 13...	1100	330	180	49	15	142	63	26	119	0.01
SEP 03...	900	150	190	47	17	148	72	28	20	0.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 02...	0.4	0.53	0.24	2	1	<10	0.8	<1	<1	10
NOV 19...	1.5	0.37	0.35	2	1	<10	2	1	<1	10
DEC 04...	1.3	0.72	0.49	3	1	<10	<0.5	<1	<1	10
JAN 29...	1.7	0.64	0.12	2	1	<10	<0.5	<1	<1	<10
FEB 19...	1.8	0.83	0.42	3	<1	<10	<0.5	<1	<1	10
MAR 18...	1.9	0.72	0.31	2	<1	<10	<0.5	<1	<1	<10
APR 16...	2.4	0.45	0.32	2	1	<10	<0.5	<1	<1	<10
MAY 07...	1.7	0.50	0.23	2	1	<10	<0.5	<1	<1	<10
JUN 17...	2.1	0.74	0.40	3	1	<10	<0.5	<1	<1	<10
JUL 22...	2.2	0.48	0.40	3	2	<10	<0.5	<1	<1	<10
AUG 13...	2.4	0.73	0.38	4	3	<10	0.9	1	<1	<10
SEP 03...	1.2	0.68	0.31	3	2	<10	1	<1	<1	30

< Actual value is known to be less than the value shown.

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CHROMIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 02...	<1	10	2	<3	<5	<5	<0.1	<0.1	5	4
NOV 19...	<1	16	6	120	22	<5	<0.1	<0.1	10	6
DEC 04...	<1	38	5	32	19	<5	0.2	<0.1	13	9
JAN 29...	<1	11	4	14	9	<5	<0.1	<0.1	8	1
FEB 19...	<1	24	6	35	9	<5	0.1	<0.1	19	6
MAR 18...	<1	6	6	29	7	<5	<0.1	<0.1	3	2
APR 16...	<1	14	4	11	10	<5	<0.1	0.1	18	1
MAY 07...	<1	14	6	18	7	<5	<0.1	<0.1	8	4
JUN 17...	<1	16	4	8	13	<5	0.1	<0.1	4	2
JUL 22...	<1	12	4	5	6	<5	0.1	<0.1	7	3
AUG 13...	<1	8	4	7	11	<5	<0.1	<0.1	6	4
SEP 03...	<1	15	7	5	25	<5	0.2	<0.1	13	3

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 02...	<1	<1	1	40	6	3.0	<0.01	12	3
NOV 19...	<1	<1	1	30	10	3.4	<0.01	3	<1
DEC 04...	<1	<1	<1	80	<3	10	<0.01	<1	3
JAN 29...	<1	<1	1	30	9	7.2	<0.01	1	1
FEB 19...	1	<1	<1	70	8	9.4	<0.01	3	<1
MAR 18...	<1	<1	2	20	8	5.5	<0.01	<1	2
APR 16...	1	1	<1	30	4	5.5	<0.01	1	1
MAY 07...	1	<1	2	20	7	7.4	<0.01	1	<1
JUN 17...	1	1	1	30	11	7.9	<0.01	<1	<1
JUL 22...	1	<1	3	30	8	6.1	<0.01	2	3
AUG 13...	1	<1	3	20	12	7.3	<0.01	2	3
SEP 03...	1	1	3	20	17	4.1	<0.01	<1	1

< Actual value is known to be less than the value shown.

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	505	420	315	362	426	374	386	424	426	---	406	---
2	506	417	311	350	485	370	---	416	428	457	405	431
3	472	412	310	354	466	368	395	410	---	458	430	---
4	443	415	316	---	468	369	392	390	394	480	420	464
5	471	412	314	---	467	370	393	415	394	440	421	442
6	510	413	---	---	472	400	400	427	416	476	430	---
7	495	413	318	410	471	402	404	426	417	476	---	497
8	495	415	324	411	473	380	400	420	---	498	496	---
9	515	425	334	390	468	372	405	420	420	496	484	---
10	505	428	337	410	472	372	406	440	423	495	484	495
11	---	425	343	410	473	370	402	---	442	533	495	506
12	---	423	323	424	470	396	421	---	424	514	---	523
13	---	416	327	443	469	398	408	---	451	529	525	522
14	---	401	328	458	472	400	438	---	425	518	370	514
15	---	423	330	460	472	402	438	460	427	533	515	514
16	---	424	334	440	440	407	450	484	416	520	503	---
17	465	431	346	414	407	429	415	488	406	514	514	502
18	441	430	343	437	380	428	435	480	412	517	516	---
19	441	423	---	444	372	430	445	475	430	530	525	514
20	---	---	---	441	377	404	448	485	430	550	514	513
21	---	---	---	441	395	417	450	460	429	549	523	514
22	---	483	344	412	376	418	446	439	419	534	525	512
23	413	480	---	435	---	400	438	443	419	526	539	523
24	409	489	336	440	368	392	433	---	410	---	543	509
25	425	476	334	448	---	402	423	---	407	---	552	507
26	447	480	365	447	---	---	432	---	411	467	549	507
27	---	447	344	450	---	---	436	---	439	454	541	506
28	401	---	350	---	---	---	427	400	443	---	540	537
29	401	---	347	---	---	402	433	436	440	414	539	536
30	389	310	347	---	---	388	426	433	443	425	550	---
31	420	---	---	---	---	388	---	436	---	---	---	---
MAX	---	489	365	---	485	430	450	---	451	550	552	---
MIN	---	310	310	---	368	368	386	---	394	414	370	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	19.0	12.5	4.5	7.0	7.0	12.0	---	23.0	---	31.0	---
2	24.5	17.5	12.0	4.5	7.5	7.0	---	18.0	23.5	28.0	31.0	28.5
3	---	17.0	11.5	4.5	7.0	7.5	13.5	18.0	---	28.5	30.5	---
4	24.0	18.5	11.0	---	6.5	7.5	13.0	18.5	23.0	30.0	31.0	29.0
5	22.5	17.0	11.0	---	6.5	7.0	13.5	18.5	23.5	30.0	31.0	28.5
6	22.0	17.0	---	---	6.5	9.5	14.0	19.5	23.5	30.0	32.0	---
7	22.5	17.0	10.0	3.0	6.0	8.5	14.0	20.0	24.5	30.0	---	28.5
8	22.0	17.5	8.5	3.5	6.5	7.5	15.5	20.0	---	30.0	31.0	---
9	22.0	17.0	10.0	4.0	6.0	7.0	15.0	20.0	24.0	30.0	30.5	---
10	22.0	18.0	10.0	3.5	6.0	8.5	15.5	20.0	23.5	30.0	30.5	28.5
11	---	17.0	12.5	4.0	5.5	9.0	15.5	---	25.0	30.0	31.5	28.5
12	---	17.5	10.5	4.0	5.0	9.0	15.5	---	24.0	30.0	---	---
13	---	17.0	9.5	4.0	5.0	9.5	16.5	---	24.5	30.0	30.0	29.0
14	---	17.5	7.5	4.0	7.5	10.0	16.5	---	25.0	30.0	30.0	28.0
15	---	---	7.0	3.5	6.0	10.0	17.0	22.5	25.5	30.5	30.5	27.5
16	---	17.0	7.5	4.0	7.0	9.5	17.5	23.0	26.0	30.5	30.0	---
17	22.5	17.0	6.5	3.5	7.0	10.0	18.5	23.0	28.0	30.5	29.0	28.0
18	22.0	17.5	9.5	3.5	7.0	10.5	17.5	23.5	28.0	30.5	29.5	---
19	22.5	---	---	4.0	7.5	10.5	17.5	22.5	25.0	29.5	30.0	28.5
20	---	---	---	4.0	8.0	11.0	17.5	23.0	25.0	30.0	29.0	28.0
21	---	---	---	3.0	7.5	10.5	18.0	22.0	28.5	30.0	30.0	27.5
22	---	16.5	4.5	3.5	7.5	11.0	18.5	22.5	28.5	31.5	29.0	27.0
23	22.0	16.0	---	4.0	---	11.5	18.5	23.0	28.5	30.0	30.0	27.5
24	21.0	16.5	8.5	3.5	6.5	11.0	18.5	---	28.0	---	29.5	27.0
25	21.5	16.0	10.5	4.5	---	12.5	19.0	---	28.0	---	29.5	27.5
26	21.0	16.0	8.0	4.5	---	---	18.5	---	29.0	30.0	30.0	27.0
27	---	15.5	---	5.0	---	---	19.5	---	28.0	30.5	29.0	27.0
28	20.0	---	5.5	---	---	---	19.0	23.0	28.5	---	29.5	27.0
29	20.0	---	5.5	---	---	10.5	---	23.5	29.0	30.5	28.0	27.5
30	19.0	12.5	6.5	---	---	11.5	---	24.0	29.0	31.0	28.0	---
31	19.5	---	---	---	---	12.0	---	23.0	---	---	---	---
MAX	---	---	12.5	---	8.0	12.5	28.5	---	29.0	31.5	32.0	---
MIN	---	---	4.5	---	5.0	7.0	12.0	---	23.0	28.0	28.0	---

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)--Continued

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	36	18	21	23	23	22	24	24	---	19	---
2	37	32	18	20	23	23	---	24	20	18	19	25
3	31	28	19	20	30	23	22	22	---	20	21	---
4	29	33	19	---	33	23	23	23	22	20	19	28
5	26	31	16	---	29	22	22	24	24	20	18	26
6	34	29	---	---	32	24	25	22	24	19	21	---
7	35	34	18	22	30	24	24	20	24	19	---	28
8	33	28	17	22	32	23	21	23	---	23	27	---
9	34	32	18	21	32	21	22	22	24	23	25	26
10	38	38	17	18	32	22	23	25	24	21	23	25
11	---	40	17	27	31	23	22	---	21	24	23	27
12	---	37	20	23	32	23	26	---	24	22	---	29
13	---	32	18	24	33	22	22	---	25	23	28	25
14	---	29	18	26	32	23	31	---	24	21	24	22
15	---	28	15	27	33	25	31	24	22	25	24	24
16	---	31	19	27	29	25	34	23	23	22	23	---
17	28	29	17	24	28	24	34	23	21	22	23	24
18	29	30	17	23	26	26	27	22	17	23	23	---
19	28	25	---	24	23	26	32	23	23	23	27	24
20	---	---	---	31	25	27	25	24	19	22	25	24
21	---	---	---	31	23	27	29	25	18	24	27	23
22	---	36	18	25	24	27	28	28	20	23	26	27
23	26	35	---	27	31	26	22	26	21	29	27	26
24	25	37	16	27	22	26	28	---	18	---	28	22
25	31	35	18	30	---	26	25	---	18	---	30	22
26	29	37	19	29	---	---	26	---	17	24	29	22
27	---	31	18	34	---	---	24	---	19	24	27	28
28	29	---	18	---	---	---	28	26	17	---	28	29
29	29	---	17	---	---	28	25	26	18	21	27	31
30	31	19	19	---	---	19	25	27	18	23	28	---
31	31	---	---	---	---	20	---	23	---	---	---	---
MAX	---	40	20	---	33	28	34	---	25	29	30	---
MIN	---	19	15	---	22	19	21	---	17	18	18	---

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 01-10	310	APR 01-10	258
OCT 11-20	280	APR 11-20	270
OCT 21-31	260	APR 21-31	275
NOV 01-10	265	MAY 01-10	262
NOV 11-20	270	MAY 11-20	290
NOV 21-30	279	MAY 21-30	273
DEC 01-10	204	JUN 01-10	246
DEC 11-20	210	JUN 11-20	263
DEC 21-31	217	JUN 21-31	256
JAN 01-10	239	JUL 01-10	289
JAN 11-20	279	JUL 11-20	321
JAN 21-31	283	JUL 21-31	296
FEB 01-10	296	AUG 01-10	272
FEB 11-20	273	AUG 11-20	298
FEB 21-28	254	AUG 21-28	323
MAR 01-10	240	SEP 01-10	272
MAR 11-20	262	SEP 11-20	298
MAR 21-31	258	SEP 21-31	299

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

LOCATION.--Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, Hydrologic Unit 08090100, at Carrollton Street Municipal Water Plant intakes and at mile 103.8.

DRAINAGE AREA.--1,125,900 mi² arbitrarily determined.

PERIOD OF RECORD.--Water years 1905-06, 1951-52, 1954-55, 1967 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1955, October 1968 to current year.

pH: October 1976 to current year.

WATER TEMPERATURES: August 1954 to September 1955, November 1970 to current year.

DISSOLVED OXYGEN: October 1968 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1968.

REMARKS.--Extremes for current year for specific conductance and dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 630 micromhos Sept. 20, 1969; minimum, 200 micromhos May 1, 1975.

pH: Maximum, 8.2 units Nov. 29, 1984; minimum, 6.8 units Apr. 9, May 1-5, 1980.

WATER TEMPERATURES: Maximum, 32.5°C July 14-22, 1980; minimum, 1.5°C Feb. 6-14, 1978, Jan. 7, 8, 1984.

DISSOLVED OXYGEN: Maximum, 13.9 mg/L Feb. 23, 24, 1976, Jan. 27-29, 1982; minimum, 3.8 mg/L July 23, Aug. 1, 1969, Aug. 26, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A pH of 8.2 units was observed Apr. 8, May 13, 1976.

EXTREMES FOR CURRENT YEAR.--

pH: Maximum, 8.0 units Feb. 8; minimum, 7.4 units May 30, 31, June 1-9, 17, 18, 20, 25-30.

WATER TEMPERATURES: Maximum, 32.0°C Aug. 4-10; minimum, 4.5°C Jan. 5, 7, 8, 10-15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 03...	1030	489	7.9	24.5	5	5.0	7.7	0.8	K90
JAN 30...	1130	473	7.7	6.5	5	30	10.4	1.8	200
APR 17...	1030	448	7.7	17.5	10	75	8.3	1.0	K20
JUL 23...	1015	494	8.1	29.5	10	70	6.3	0.6	620

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO ₃)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	SODIUM DISSOLVED (MG/L AS Na)	POTASSIUM DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO ₃)	SULFATE DISSOLVED (MG/L AS SO ₄)
OCT 03...	380	170	45	14	33	3.3	129	55
JAN 30...	100	180	47	16	23	3.0	143	54
APR 17...	450	160	44	13	22	3.3	114	50
JUL 23...	390	190	49	16	25	3.6	126	74

DATE	CHLORIDE, DISSOLVED (MG/L AS Cl)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 03...	35	0.5	2.5	291	270	0.40	0.40	0.28
JAN 30...	28	0.2	9.0	297	270	1.7	0.68	0.13
APR 17...	33	0.3	7.4	250	240	2.5	0.63	0.24
JUL 23...	25	0.4	6.8	306	280	2.2	--	0.38

K Results based on colony count outside the acceptable range (non-ideal count).

LOWER MISSISSIPPI RIVER BASIN

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)
OCT 03...	2	1	1	1	6	<1	2	10	<10	12000
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 03...	5	20	<100	880	<0.1	<0.01	<10	49	3.4	<0.01
DATE	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
OCT 03...	10	<0.1	<0.1	<0.01	<0.1	<0.01	<0.01	<0.01	0.02	<0.01
DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 03...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 03...	<0.01	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---			---	---	317	311	---	---	353	346
2	503	491			---	---	324	312	---	---	352	343
3	506	491			---	---	333	326	---	---	346	342
4	---	---			---	---	345	334	---	---	347	342
5	---	---			---	---	358	346	---	---	---	---
6	---	---			---	---	---	---	---	---	---	---
7	---	---			---	---	360	351	---	---	---	---
8	---	---			---	---	365	357	470	461	---	---
9	---	---			---	---	368	358	467	459	---	---
10	508	499			---	---	373	359	457	449	---	---
11	499	485			325	320	382	364	452	441	---	---
12	486	475			328	316	389	377	468	453	---	---
13	474	469			329	322	396	382	470	467	---	---
14	473	468			333	323	408	393	470	466	---	---
15	479	470			325	313	414	401	474	459	---	---
16	489	475			320	301	426	407	459	413	---	---
17	483	464			303	292	413	407	411	375	---	---
18	464	444			294	288	421	412	374	359	---	---
19	442	416			295	288	425	412	360	357	---	---
20	428	413			299	292	428	412	373	357	---	---
21	456	429			306	299	424	412	380	370	433	415
22	456	428			314	307	431	411	376	367	418	408
23	449	407			317	314	443	433	370	356	407	385
24	415	403			313	304	441	437	357	347	390	382
25	436	412			303	293	443	436	347	341	393	385
26	459	436			298	290	443	435	346	341	396	386
27	---	---			306	295	445	437	348	341	397	383
28	---	---			311	302	450	442	349	341	395	386
29	---	---			319	306	454	439	---	---	390	380
30	---	---			321	304	447	428	---	---	380	348
31	---	---			309	303	---	---	---	---	348	333
MONTH	---	---			---	---	454	311	---	---	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	346	334	429	384	433	425	413	392	409	393	---	---
2	351	343	---	---	433	424	449	418	393	385	---	---
3	376	348	---	---	428	410	457	443	395	391	---	---
4	368	355	410	394	411	401	464	457	392	388	---	---
5	359	354	403	391	406	394	484	469	381	370	---	---
6	363	360	401	394	413	395	---	---	407	397	---	---
7	372	365	410	389	427	411	474	460	---	---	---	---
8	384	363	413	404	438	425	491	463	---	---	---	---
9	392	379	424	403	441	433	507	478	---	---	---	---
10	401	389	426	409	454	440	498	483	---	---	---	---
11	406	396	425	417	458	454	498	490	---	---	---	---
12	411	403	425	415	458	448	516	495	506	493	---	---
13	418	406	426	416	456	447	542	514	508	490	---	---
14	434	418	439	427	449	439	548	541	516	500	---	---
15	440	429	445	433	442	433	557	541	520	510	---	---
16	449	434	456	439	438	431	545	539	518	511	---	---
17	455	445	467	456	439	432	542	534	523	507	---	---
18	452	422	478	465	438	431	541	535	528	520	---	---
19	455	425	494	479	440	429	544	535	521	514	538	522
20	443	434	490	478	435	418	546	537	526	520	541	522
21	444	436	479	460	423	416	551	542	520	505	523	512
22	442	435	468	453	425	417	538	526	---	---	522	517
23	441	434	456	445	420	415	---	---	---	---	525	505
24	440	428	466	455	417	409	520	512	---	---	528	512
25	429	416	468	458	410	404	506	490	546	541	515	505
26	420	412	462	456	414	404	487	457	541	527	512	501
27	420	417	471	461	411	389	454	427	535	525	518	509
28	421	415	476	450	416	389	427	413	---	---	526	512
29	425	414	452	431	416	399	411	407	---	---	538	528
30	427	413	437	429	406	389	411	399	---	---	540	533
31	---	---	442	432	---	---	407	401	---	---	---	---
MONTH	455	334	494	384	458	389	557	392	---	---	---	---

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued
 PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	---	---	7.6	7.5	7.5	7.5	7.7	7.7	---	---	7.6	7.6
2	7.8	7.7	7.6	7.5	7.5	7.5	7.7	7.7	---	---	7.6	7.6
3	7.8	7.7	7.6	7.5	7.5	7.5	7.7	7.7	---	---	7.6	7.6
4	---	---	7.6	7.5	7.5	7.5	7.7	7.7	---	---	7.6	7.6
5	---	---	7.6	7.6	7.5	7.5	7.7	7.7	---	---	7.6	7.6
6	---	---	7.6	7.6	7.5	7.5	---	---	---	---	7.7	7.6
7	---	---	7.6	7.6	7.5	7.5	7.7	7.7	---	---	7.7	7.7
8	---	---	7.6	7.6	7.5	7.5	7.8	7.7	8.0	7.9	7.7	7.6
9	---	---	7.6	7.6	7.5	7.5	7.8	7.8	7.9	7.8	7.7	7.6
10	7.9	7.8	7.6	7.6	7.5	7.5	7.8	7.8	7.8	7.8	7.6	7.6
11	7.9	7.8	7.7	7.6	7.5	7.5	7.8	7.8	7.8	7.8	7.6	7.6
12	7.8	7.8	7.7	7.6	7.6	7.5	7.8	7.8	7.8	7.8	7.6	7.6
13	7.8	7.7	7.6	7.6	7.6	7.5	7.8	7.8	7.8	7.8	7.6	7.6
14	7.7	7.7	7.6	7.6	7.6	7.5	7.8	7.8	7.8	7.7	7.6	7.6
15	7.8	7.7	7.7	7.6	7.6	7.5	7.8	7.8	7.7	7.7	7.6	7.6
16	7.8	7.7	7.7	7.7	7.6	7.5	7.9	7.8	7.7	7.6	7.6	7.6
17	7.7	7.7	7.7	7.7	7.6	7.5	7.8	7.8	7.6	7.6	7.6	7.6
18	7.7	7.6	7.7	7.7	7.6	7.5	7.8	7.8	7.6	7.6	7.7	7.6
19	7.6	7.6	7.7	7.6	7.6	7.6	7.8	7.8	7.6	7.6	7.7	7.6
20	7.7	7.6	7.7	7.6	7.6	7.6	7.8	7.8	7.6	7.6	7.7	7.6
21	7.7	7.7	7.6	7.6	7.6	7.6	7.8	7.8	7.7	7.6	7.7	7.6
22	7.7	7.6	7.6	7.6	7.6	7.6	7.8	7.8	7.6	7.6	7.6	7.6
23	7.7	7.6	7.6	7.6	7.6	7.6	7.8	7.8	7.6	7.6	7.5	7.5
24	7.6	7.6	7.6	7.6	7.6	7.6	7.8	7.8	7.6	7.6	7.5	7.5
25	7.7	7.6	7.6	7.6	7.6	7.6	7.8	7.8	7.6	7.6	7.6	7.5
26	7.7	7.6	7.6	7.5	7.6	7.6	7.8	7.8	7.6	7.6	7.6	7.6
27	7.7	7.6	7.6	7.5	7.6	7.6	7.9	7.8	7.6	7.6	7.6	7.6
28	7.7	7.6	7.6	7.5	7.6	7.6	7.9	7.8	7.6	7.6	7.6	7.6
29	7.6	7.6	7.5	7.5	7.7	7.6	7.8	7.8	---	---	7.6	7.6
30	7.6	7.6	7.5	7.5	7.7	7.7	7.8	7.8	---	---	7.6	7.5
31	7.6	7.5	---	---	7.7	7.7	---	---	---	---	7.5	7.5
MONTH	---	---	7.7	7.5	7.7	7.5	7.9	7.7	---	---	7.7	7.5
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	7.6	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.5	7.5	---	---
2	7.5	7.5	7.6	7.6	7.5	7.4	7.5	7.5	7.5	7.5	---	---
3	7.5	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.5	7.5	---	---
4	7.5	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.7	7.5	---	---
5	7.6	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.7	7.6	---	---
6	7.5	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.7	7.7	---	---
7	7.5	7.5	7.7	7.6	7.4	7.4	7.5	7.5	7.7	7.5	---	---
8	7.5	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.6	7.6	---	---
9	7.6	7.5	7.6	7.6	7.5	7.4	7.5	7.5	7.6	7.6	---	---
10	7.5	7.5	7.6	7.6	7.5	7.5	7.6	7.5	7.7	7.6	---	---
11	7.5	7.5	7.6	7.6	7.5	7.5	7.6	7.5	7.7	7.6	---	---
12	7.5	7.5	7.6	7.6	7.5	7.5	7.6	7.6	7.7	7.7	---	---
13	7.6	7.5	7.6	7.6	7.5	7.5	7.6	7.6	7.8	7.7	---	---
14	7.6	7.5	7.6	7.6	7.5	7.5	7.7	7.6	7.7	7.7	---	---
15	7.6	7.5	7.6	7.6	7.5	7.5	7.7	7.6	7.8	7.7	---	---
16	7.6	7.5	7.6	7.6	7.5	7.5	7.7	7.6	7.7	7.7	---	---
17	7.6	7.5	7.6	7.6	7.5	7.4	7.7	7.7	7.8	7.7	---	---
18	7.6	7.6	7.7	7.6	7.5	7.4	7.7	7.6	7.9	7.8	---	---
19	7.6	7.6	7.6	7.6	7.5	7.5	7.7	7.6	7.8	7.8	7.8	7.7
20	7.6	7.6	7.6	7.6	7.5	7.4	7.7	7.6	7.8	7.7	7.7	7.6
21	7.6	7.6	7.6	7.6	7.5	7.5	7.7	7.6	7.7	7.7	7.7	7.6
22	7.6	7.6	7.6	7.5	7.5	7.5	7.7	7.6	---	---	7.7	7.7
23	7.6	7.6	7.6	7.5	7.6	7.5	---	---	---	---	7.7	7.7
24	7.6	7.6	7.6	7.6	7.5	7.5	7.6	7.6	---	---	7.7	7.7
25	7.6	7.6	7.6	7.6	7.5	7.4	7.6	7.6	7.8	7.6	7.7	7.7
26	7.6	7.6	7.6	7.6	7.4	7.4	7.6	7.5	7.8	7.7	7.7	7.7
27	7.6	7.6	7.6	7.6	7.4	7.4	7.6	7.5	7.7	7.7	7.7	7.7
28	7.6	7.6	7.6	7.5	7.4	7.4	7.5	7.5	---	---	7.7	7.7
29	7.6	7.6	7.5	7.5	7.5	7.4	7.5	7.5	---	---	7.7	7.7
30	7.6	7.6	7.5	7.4	7.5	7.4	7.5	7.5	---	---	7.7	7.7
31	---	---	7.5	7.4	---	---	7.5	7.5	---	---	---	---
MONTH	7.6	7.5	7.7	7.4	7.6	7.4	7.7	7.5	---	---	---	---

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.5	24.0	18.5	18.5	13.5	13.5	5.0	5.0	---	---	8.0	7.5
2	24.0	24.0	18.5	18.0	13.5	13.0	5.0	5.0	---	---	8.0	7.5
3	24.0	23.5	18.0	18.0	13.0	12.0	5.0	5.0	---	---	8.0	8.0
4	---	---	18.0	17.5	12.0	11.5	5.0	5.0	---	---	8.0	8.0
5	---	---	17.5	17.5	11.5	11.0	5.0	4.5	---	---	8.5	8.0
6	---	---	17.5	17.0	11.0	10.5	---	---	---	---	8.5	8.0
7	---	---	17.0	17.0	10.5	10.5	5.0	4.5	---	---	9.0	8.5
8	---	---	17.0	16.5	10.5	10.0	5.0	4.5	7.5	7.5	9.0	8.5
9	---	---	16.5	16.5	10.0	10.0	5.0	5.0	7.5	7.5	9.0	8.5
10	21.5	21.0	16.5	16.5	10.0	10.0	5.0	4.5	7.5	7.5	9.0	9.0
11	21.5	21.0	16.5	16.0	10.0	9.5	5.0	4.5	7.5	7.0	9.5	9.0
12	21.5	21.0	16.0	16.0	10.0	9.5	5.0	4.5	7.0	7.0	10.0	9.5
13	21.0	21.0	16.5	16.0	9.5	9.0	4.5	4.5	7.0	7.0	10.0	10.0
14	21.0	20.5	16.0	16.0	9.0	8.5	4.5	4.5	7.0	7.0	10.5	10.0
15	21.0	20.5	16.0	16.0	8.5	8.0	4.5	4.5	7.0	6.5	10.5	10.0
16	21.0	20.5	16.5	16.0	8.0	8.0	---	---	6.5	6.5	11.0	10.5
17	21.0	20.5	16.0	16.0	8.0	7.5	---	---	7.0	6.5	11.0	11.0
18	21.0	20.5	16.0	16.0	7.5	7.5	---	---	7.0	7.0	11.5	11.0
19	21.0	21.0	16.0	16.0	7.5	7.0	---	---	7.5	7.0	12.0	12.0
20	21.0	21.0	16.0	16.0	7.0	7.0	---	---	7.0	7.0	12.0	12.0
21	21.0	21.0	16.0	16.0	7.0	6.5	---	---	7.0	7.0	12.0	12.0
22	21.0	21.0	16.0	16.0	6.5	6.5	---	---	7.0	7.0	12.0	12.0
23	21.0	20.5	16.0	16.0	6.5	6.0	---	---	7.0	6.5	12.5	12.0
24	21.0	21.0	16.0	15.5	6.0	6.0	---	---	7.0	6.5	12.0	12.0
25	21.0	21.0	15.5	15.5	6.0	5.5	---	---	7.0	7.0	12.0	11.5
26	20.5	20.5	15.5	15.0	5.5	5.5	---	---	7.5	7.0	12.0	11.5
27	20.5	19.5	15.0	14.5	5.5	5.5	---	---	7.5	7.5	11.5	11.5
28	19.5	19.0	14.5	14.0	5.5	5.5	---	---	8.0	7.5	11.5	11.5
29	19.0	18.5	14.0	13.5	5.5	5.0	---	---	---	---	11.5	11.5
30	18.5	18.5	13.5	13.5	5.5	5.0	---	---	---	---	12.0	11.5
31	18.5	18.5	---	---	5.5	5.0	---	---	---	---	12.0	11.5
MONTH	24.5	18.5	18.5	13.5	13.5	5.0	---	---	---	---	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.5	12.0	18.0	18.0	22.5	22.5	28.0	28.0	31.5	30.5	---	---
2	12.5	12.0	18.0	18.0	22.5	22.5	28.5	28.0	31.5	31.0	---	---
3	13.0	12.5	18.0	18.0	22.5	22.5	28.5	28.0	31.5	31.0	---	---
4	13.5	13.0	18.5	18.0	23.0	22.5	28.0	28.0	32.0	31.0	---	---
5	13.5	13.0	18.5	18.5	23.0	22.5	28.0	28.0	32.0	32.0	---	---
6	14.0	13.5	19.0	18.5	23.0	23.0	28.5	28.0	32.0	31.5	---	---
7	14.5	14.0	19.5	19.0	23.5	23.0	28.5	28.5	32.0	31.5	---	---
8	15.5	14.5	19.5	19.0	24.0	23.5	28.5	28.5	32.0	31.5	---	---
9	15.5	15.0	20.0	19.5	24.0	24.0	28.5	28.5	32.0	31.5	---	---
10	15.5	15.5	20.0	19.5	24.0	24.0	28.5	28.5	32.0	31.5	---	---
11	16.0	15.5	20.0	20.0	24.5	24.0	28.5	28.5	31.5	31.0	---	---
12	16.0	16.0	20.5	20.0	25.0	24.5	29.0	28.5	31.0	31.0	---	---
13	16.5	16.0	21.0	20.5	25.0	25.0	29.0	29.0	31.0	31.0	---	---
14	17.0	16.5	21.5	21.0	25.0	25.0	29.0	29.0	31.0	31.0	---	---
15	17.5	17.0	22.0	21.5	25.5	25.0	29.0	29.0	31.5	31.0	---	---
16	18.0	17.5	22.0	22.0	25.5	25.5	29.0	29.0	31.5	31.0	---	---
17	18.0	17.5	22.5	22.0	26.0	25.5	29.0	29.0	31.5	31.0	---	---
18	18.5	18.0	22.5	22.5	26.0	26.0	29.5	29.0	31.5	30.5	---	---
19	18.5	18.0	23.0	22.5	26.5	26.0	29.5	29.0	30.5	30.5	28.0	27.5
20	18.5	18.0	23.0	22.5	26.5	26.5	29.5	29.5	30.5	30.5	27.5	27.5
21	18.5	18.0	23.0	22.5	27.0	26.5	29.5	29.0	30.5	30.0	27.5	27.5
22	18.5	18.0	23.0	22.5	27.5	27.0	29.5	29.0	---	---	27.5	27.5
23	18.0	18.0	23.0	23.0	27.5	27.5	---	---	---	---	27.5	27.0
24	18.0	18.0	23.0	23.0	28.0	27.5	30.5	30.0	---	---	27.5	27.0
25	18.0	18.0	23.0	23.0	28.0	28.0	30.0	30.0	30.0	29.5	27.5	27.0
26	18.0	17.5	23.0	23.0	28.0	28.0	30.0	29.5	30.0	29.5	27.5	27.0
27	18.0	17.5	23.0	22.5	28.5	28.0	30.0	29.5	30.0	29.5	27.5	27.0
28	18.0	17.5	23.0	22.5	28.5	28.5	30.0	29.5	---	---	27.5	27.0
29	18.0	17.5	22.5	22.5	28.5	28.5	30.5	30.0	---	---	27.5	27.0
30	18.0	18.0	23.0	22.5	28.5	28.0	31.0	30.0	---	---	27.5	27.0
31	---	---	23.0	22.5	---	---	31.0	30.5	---	---	---	---
MONTH	18.5	12.0	23.0	18.0	28.5	22.5	31.0	28.0	---	---	---	---

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

[illegible]

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", In lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse and at mile 76.0.

DRAINAGE AREA.--1,125,930 mi², arbitrarily determined.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1975 to current year.

CHLORIDE: October 1974 to current year.

SULFATE: October 1974 to September 1978.

DISSOLVED SOLIDS: October 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 692 micromhos Jan. 31, 1981; minimum daily, 248 micromhos Mar. 31, 1976, Jan. 24, 1979.

WATER TEMPERATURES: Maximum daily, 38.0°C June 9, 1984; minimum daily, 2.0°C Feb. 7, 1984.

CHLORIDE: Maximum daily, 85 mg/L June 26, 27, 1977; minimum daily, 11 mg/L Apr. 21, May 12, 1975, May 12, 1984.

SULFATE: Maximum daily, 93 mg/L Oct. 30, 1976; minimum daily, 28 mg/L Feb. 3, 1975.

DISSOLVED SOLIDS: Maximum, 371 mg/L Feb. 1-10, 1981; minimum, 156 mg/L Jan. 21-31, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 586 microsiemens Sept. 1; minimum daily, 322 microsiemens Dec. 5.

WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 5, 7, 8, 11; minimum daily, 4.0°C Dec. 31, Jan. 5.

CHLORIDE: Maximum daily, 51 mg/L Oct. 9; minimum daily, 12 mg/L Dec. 11.

DISSOLVED SOLIDS: Maximum, 330 mg/L July 11-20; minimum, 220 mg/L Dec. 1-10.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 1.5°C was observed on Feb. 9, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 03...	1315	493	7.70	24.5	0	1.0	7.5	1.3	K150	K50
DEC 05...	1245	307	7.50	12.0	10	90	8.8	0.9	200	1000
FEB 20...	1430	377	7.60	8.0	20	95	10.2	1.8	K16	—
APR 17...	1130	460	7.50	17.5	15	40	8.2	0.8	K50	460
JUN 18...	1130	422	7.50	26.0	10	83	6.3	0.9	K700	K900
AUG 14...	1215	521	7.90	—	5	32	6.1	0.5	510	340

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 03...	160	42	14	34	3.0	127	61	36	0.7	1.9
DEC 05...	120	32	9.3	14	3.2	78	27	27	0.2	7.7
FEB 20...	140	36	11	18	3.2	87	48	29	0.2	7.1
APR 17...	170	44	14	24	3.5	117	48	37	0.3	7.6
JUN 18...	160	42	13	21	3.3	108	53	26	0.3	6.7
AUG 14...	200	53	16	30	4.1	139	64	37	0.5	8.8

K Results based on colony count outside the acceptable range (non-ideal colony count).

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 03...	295	290	0.02	0.35	0.21	0.15	0.8	0.19	0.17	0.16
DEC 05...	173	170	0.01	1.3	0.05	0.07	0.9	0.19	0.08	0.07
FEB 20...	204	210	0.03	1.6	0.09	0.07	1.2	0.14	0.06	0.05
APR 17...	260	260	0.01	2.6	0.05	0.03	0.7	0.23	0.12	0.11
JUN 18...	248	230	<0.01	2.2	0.04	0.03	0.8	0.24	0.11	0.10
AUG 14...	309	300	0.01	2.5	—	0.09	1.0	0.38	0.25	0.24

DATE	ALUM- INIUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 03...	<10	1	70	1	<1	<1	<3	3	<3	<5
FEB 20...	30	<1	53	<0.5	<1	<1	<3	5	51	<5
APR 17...	10	1	63	<0.5	<1	<1	<3	3	7	5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 03...	8	1	—	<10	10	<1	<1	220	<6	7
FEB 20...	6	6	<0.1	<10	6	1	<1	170	<6	7
APR 17...	8	<1	<0.1	<10	<1	<1	<1	180	<6	5

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 03...	1315	251000	18	12200	89
NOV 20...	1215	502000	161	218000	92
DEC 05...	1245	913000	475	1170000	73
JAN 30...	1325	293000	—	—	—
FEB 20...	1430	727000	403	791000	74
MAR 26...	1335	633000	—	—	—
APR 17...	1130	510000	211	291000	98
MAY 08...	1150	455000	—	—	—
JUN 18...	1130	610000	293	483000	94
JUL 23...	1130	438000	—	—	—
AUG 14...	1245	249000	102	68600	100
SEP 04...	1200	204000	—	—	—

< Actual value is known to be less than the value shown.

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	488	397	373	356	507	380	388	436	453	445	---	586
2	487	---	338	357	508	380	401	436	---	460	446	---
3	512	403	338	364	512	---	437	418	478	459	432	562
4	---	417	330	364	510	380	---	416	---	472	457	562
5	501	---	322	365	507	376	401	418	---	---	464	561
6	536	419	322	---	531	388	396	436	410	497	449	551
7	530	423	378	409	---	---	397	423	429	502	466	559
8	546	428	---	442	496	403	402	437	429	497	468	578
9	530	427	---	---	498	391	412	---	475	513	468	579
10	561	424	381	414	496	---	412	442	448	516	487	567
11	554	432	334	417	470	378	425	447	---	---	502	542
12	524	441	344	418	468	---	425	443	447	501	529	531
13	534	435	351	428	481	391	---	446	453	513	543	---
14	501	415	340	---	487	389	445	454	450	---	536	520
15	500	436	343	433	496	415	451	462	440	547	544	539
16	505	434	---	464	486	415	456	473	478	540	536	541
17	508	---	---	---	---	425	---	483	---	540	553	542
18	---	446	326	475	404	441	433	489	513	551	547	552
19	---	487	387	477	388	441	447	495	---	544	548	558
20	462	470	342	475	384	---	453	517	468	541	550	565
21	439	---	332	477	---	454	444	480	---	550	556	568
22	---	---	331	484	394	424	449	---	435	---	---	554
23	434	514	---	490	392	427	454	478	424	553	533	549
24	431	566	347	493	383	401	446	467	424	534	552	566
25	425	517	344	497	400	406	443	484	424	523	557	541
26	459	490	344	481	391	410	434	482	417	---	560	528
27	460	480	353	485	371	425	438	476	418	486	561	526
28	482	---	381	487	380	419	441	487	411	458	566	526
29	418	---	358	486	---	413	433	---	409	470	---	536
30	416	---	---	---	---	410	430	444	429	---	584	546
31	409	---	358	500	---	---	---	443	---	482	584	---
MAX	561	---	387	500	531	454	456	517	---	553	584	586
MIN	409	---	322	356	371	376	388	416	---	445	432	520

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	20.0	---	6.0	10.0	6.5	13.5	20.0	25.5	29.0	---	29.0
2	20.0	---	17.0	8.0	11.0	8.0	14.5	22.0	---	29.0	31.5	---
3	24.0	20.0	18.0	7.0	12.0	---	14.5	20.0	25.5	29.0	30.0	29.0
4	---	19.0	18.0	---	14.0	9.5	---	20.0	---	28.5	---	29.0
5	27.0	---	18.0	4.0	14.0	10.0	14.5	22.0	---	---	32.0	28.0
6	24.0	20.0	---	---	15.0	11.0	15.5	21.0	25.5	29.0	31.0	29.0
7	24.0	21.0	12.0	5.0	---	---	15.5	22.0	24.5	29.0	32.0	29.0
8	24.0	23.0	---	7.0	11.0	10.0	15.5	21.0	25.5	28.5	32.0	28.5
9	25.0	18.0	---	---	10.0	10.0	15.5	---	25.5	30.0	31.5	29.0
10	24.0	19.0	---	6.0	---	---	15.5	23.5	25.5	30.0	31.5	29.0
11	28.0	---	12.0	6.0	---	10.0	14.5	24.5	---	---	32.0	28.0
12	27.0	19.0	14.0	7.0	---	---	15.5	22.0	26.0	29.5	30.5	29.0
13	---	19.0	12.0	6.0	8.0	13.5	---	23.0	26.5	30.0	29.5	---
14	---	20.0	8.0	---	10.0	15.5	16.5	22.0	25.5	---	30.0	28.5
15	24.0	21.0	10.0	7.0	11.0	15.5	16.5	---	25.5	30.5	30.0	29.0
16	29.0	19.0	---	8.0	11.0	13.5	16.5	23.5	26.5	---	30.0	30.0
17	27.0	---	---	---	---	13.5	---	23.5	---	30.5	30.0	30.0
18	---	21.0	9.0	7.0	16.0	14.5	13.5	24.5	26.5	---	30.0	28.0
19	---	23.0	8.0	7.0	15.0	13.5	15.5	23.5	---	31.0	31.0	28.0
20	27.0	24.0	9.0	8.0	---	---	15.5	23.5	26.5	30.0	30.0	28.0
21	24.0	---	8.0	8.0	---	8.0	15.5	24.0	---	30.5	28.0	27.0
22	---	---	9.0	9.0	12.0	12.0	15.5	---	26.5	---	---	28.0
23	25.0	18.0	---	7.0	12.0	13.5	19.0	24.5	29.0	31.0	---	28.0
24	24.0	18.0	9.0	8.0	9.0	10.0	19.0	24.5	29.0	30.0	29.5	29.0
25	27.0	24.0	10.0	9.0	11.0	---	19.0	24.5	29.0	31.0	30.0	28.0
26	26.0	22.0	7.0	10.0	11.0	10.0	19.5	24.0	30.0	---	30.0	28.0
27	24.0	21.0	8.0	---	11.0	11.0	19.5	25.5	29.0	30.0	---	30.0
28	24.0	---	9.0	---	8.0	13.0	20.0	25.5	28.0	30.5	29.0	29.5
29	25.0	---	7.0	8.0	---	11.0	20.0	---	26.0	31.0	---	28.0
30	24.0	---	---	---	---	13.5	20.0	25.5	29.0	---	28.5	28.5
31	22.0	---	4.0	10.0	---	---	---	---	---	31.0	28.5	---
MAX	29.0	---	---	---	---	---	20.0	25.5	---	---	32.0	30.0
MIN	20.0	---	---	---	---	---	13.5	20.0	---	---	28.0	27.0

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	37	20	18	32	25	20	30	19	22	---	40
2	27	---	18	18	31	24	22	26	---	22	30	---
3	29	29	17	18	29	---	21	26	21	24	25	33
4	---	36	17	19	27	24	---	24	---	27	26	34
5	45	---	17	18	29	21	19	24	---	---	27	33
6	48	37	16	---	26	21	18	23	23	26	26	30
7	39	36	18	22	---	24	20	19	20	25	27	31
8	46	39	---	22	30	23	22	20	19	24	28	33
9	51	38	---	---	28	19	21	---	22	29	27	30
10	47	39	16	23	27	---	22	20	21	24	32	33
11	36	39	12	23	26	24	24	19	---	---	35	32
12	39	36	14	25	26	---	25	19	21	24	34	40
13	39	34	17	26	30	21	---	23	22	29	35	---
14	37	34	16	---	32	29	27	21	22	27	36	33
15	39	31	17	25	31	26	32	24	22	25	30	38
16	40	28	---	25	33	25	34	20	20	28	35	38
17	34	---	---	---	---	28	---	20	---	28	37	35
18	---	29	15	29	25	26	24	23	21	29	35	43
19	---	27	15	30	25	28	24	20	---	28	33	40
20	36	42	14	29	23	---	23	23	20	28	33	34
21	34	---	15	31	---	28	25	20	---	29	38	36
22	---	---	15	33	23	28	22	---	20	---	---	32
23	27	36	---	34	24	26	22	27	20	27	33	31
24	28	38	16	33	23	23	22	25	21	28	36	34
25	28	39	17	33	27	26	24	26	20	29	34	33
26	33	37	15	28	23	25	28	22	22	---	34	33
27	35	31	19	30	23	27	29	26	21	23	34	29
28	32	---	19	29	24	25	29	19	21	25	36	30
29	34	---	20	29	---	24	28	---	20	24	---	28
30	30	---	---	---	---	21	30	23	21	---	40	29
31	36	---	17	32	---	---	---	22	---	25	40	---
MAX	51	---	20	34	33	29	34	30	---	29	40	43
MIN	27	---	12	18	23	19	18	19	---	22	25	28

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT	
01-10	326
11-20	320
21-31	276
NOV	
01-10	273
11-20	280
21-30	320
DEC	
01-10	220
11-20	234
21-31	225
JAN	
01-10	250
11-20	275
21-31	308
FEB	
01-10	310
11-20	290
21-28	244
MAR	
01-10	249
11-20	260
21-31	269

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
APR	
01-10	260
11-20	280
21-30	281
MAY	
01-10	276
11-20	287
21-31	289
JUN	
01-10	290
11-20	292
21-30	257
JUL	
01-10	296
11-20	330
21-31	312
AUG	
01-10	264
11-20	315
21-31	320
SEP	
01-10	326
11-20	319
21-30	322

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'26", long 89°21'00", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, cross section of river at Venice and at mile 10.7.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 03...	1645	1690	7.90	25.5	5	4.0	<1.0	6.7	10	0.3
NOV 20...	1700	444	7.70	17.0	5	55	<1.0	8.8	23	1.7
DEC 05...	1730	314	7.50	12.0	15	150	<1.0	8.6	25	2.2
JAN 30...	1630	477	7.60	6.5	5	20	<1.0	10.6	21	1.9
FEB 20...	1800	379	7.50	8.0	20	140	<1.0	10.1	43	0.9
MAR 20...	1550	422	7.60	12.0	5	40	<1.0	9.8	28	1.5
APR 17...	1630	451	8.10	18.0	15	80	<1.0	8.0	21	0.7
MAY 08...	1500	414	7.80	19.0	5	20	<1.0	8.3	32	1.0
JUN 18...	1745	421	7.40	26.5	10	75	<1.0	5.9	14	1.3
JUL 23...	1700	529	7.70	30.0	15	25	<1.0	6.2	17	0.6
AUG 14...	1645	898	7.80	30.5	5	16	<1.0	6.0	14	0.5
SEP 04...	1630	820	7.80	28.5	10	4.0	<1.0	7.5	<10	0.6

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 03...	650	K45	270	47	36	115	92	400	6	0.06
NOV 20...	2500	50	160	43	13	115	56	29	130	0.01
DEC 05...	2400	220	120	34	9.3	85	34	20	334	0.04
JAN 30...	2200	K44	190	49	16	137	54	32	40	0.02
FEB 20...	2200	K16	140	36	11	89	54	25	314	0.05
MAR 20...	1500	180	160	42	13	106	52	27	68	0.05
APR 17...	2700	K20	160	43	13	120	49	34	160	0.02
MAY 08...	1200	66	160	42	14	116	51	20	72	0.02
JUN 18...	1100	--	160	41	13	116	50	25	196	<0.01
JUL 23...	1200	K140	210	55	18	131	80	30	42	0.01
AUG 14...	1600	240	210	49	22	128	75	160	24	0.01
SEP 04...	520	100	220	50	22	150	83	120	6	<0.01

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 03...	0.53	0.57	0.18	2	2	<10	2	<1	<1	<10
NOV 20...	1.5	0.40	0.35	2	1	<10	<0.5	2	<1	10
DEC 05...	1.3	0.48	0.48	3	1	<10	<0.5	<1	<1	10
JAN 30...	1.7	0.68	0.13	1	1	<10	<0.5	<1	<1	<10
FEB 20...	1.7	0.70	0.44	3	1	<10	<0.5	5	<1	10
MAR 20...	2.0	0.42	0.23	2	1	<10	<0.5	<1	<1	<10
APR 17...	2.6	0.53	0.34	2	1	<10	<0.5	<1	<1	<10
MAY 08...	1.8	0.40	0.17	2	1	<10	<0.5	1	<1	<10
JUN 18...	—	0.43	—	3	2	<10	<0.5	1	<1	<10
JUL 23...	2.3	0.37	0.28	2	2	<10	<0.5	<1	<1	<10
AUG 14...	2.3	0.02	0.29	3	2	10	<0.5	<1	<1	<10
SEP 04...	1.3	0.54	0.32	3	3	<10	1	<1	1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 03...	<1	7	3	<3	<5	<5	0.3	0.3	—	10
NOV 20...	<1	24	8	13	25	<5	<0.1	<0.1	5	6
DEC 05...	<1	21	3	38	24	<5	<0.1	<0.1	14	2
JAN 30...	<1	8	5	6	6	<5	0.1	<0.1	4	2
FEB 20...	<1	18	7	51	17	<5	0.1	0.2	9	5
MAR 20...	<1	6	4	22	10	<5	<0.1	<0.1	1	2
APR 17...	<1	23	3	11	6	<5	<0.1	<0.1	7	<1
MAY 08...	<1	12	4	13	7	<5	<0.1	<0.1	5	3
JUN 18...	<1	14	4	11	8	<5	<0.1	<0.1	9	2
JUL 23...	<1	8	3	9	<5	<5	<0.1	0.1	3	4
AUG 14...	<1	8	2	4	<5	<5	<0.1	<0.1	5	2
SEP 04...	<1	11	9	<3	<5	<5	<0.1	<0.1	5	5

< Actual value is known to be less than the value shown.

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 03...	<1	<1	10	20	7	2.8	<0.01	2	—
NOV 20...	<1	<1	2	50	20	8.2	<0.01	3	<1
DEC 05...	1	<1	<1	80	<3	—	<0.01	<1	<1
JAN 30...	<1	<1	1	30	9	3.4	<0.01	3	2
FEB 20...	<1	<1	<1	80	7	4.2	<0.01	2	<1
MAR 20...	<1	<1	<1	20	16	6.1	<0.01	<1	1
APR 17...	<1	<1	<1	30	8	—	<0.01	<1	<1
MAY 08...	1	<1	2	20	15	6.1	<0.01	<1	<1
JUN 18...	1	1	<1	40	11	6.2	<0.01	<1	3
JUL 23...	1	1	3	10	7	3.6	<0.01	2	2
AUG 14...	<1	<1	3	20	11	4.9	<0.01	1	1
SEP 04...	1	<1	4	20	13	3.8	<0.01	1	<1

< Actual value is known to be less than the value shown.

07374570 CANAL W-14 AT ROBERTS ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'35", long 89°46'00", in SW 1/4 SW 1/4, Sec.2, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of concrete culvert on Roberts Road, 1.5 mi northeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1966-85, October 1985 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, gage at same site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height during period October to September, 12.91 ft October 28, minimum, 5.15 ft July 4, 5, 10, 11, 12, Sept. 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.80	5.50	5.31	5.29	5.25	5.27	5.19	5.35	5.19	5.24	5.28
2	---	5.56	5.38	5.30	5.28	5.26	5.29	5.18	5.39	5.17	5.23	5.37
3	---	5.46	5.28	5.32	5.28	5.27	5.30	5.17	5.22	5.16	5.22	5.43
4	---	5.39	5.28	5.35	6.68	5.30	5.27	5.18	5.21	5.16	5.20	5.79
5	---	5.35	5.26	5.34	6.45	5.29	5.26	5.18	5.20	5.16	5.20	5.33
6	---	5.34	5.24	5.35	6.25	5.26	5.26	5.17	5.20	5.26	5.20	5.25
7	---	5.31	5.23	6.27	5.56	5.27	5.25	5.18	5.21	5.21	5.21	5.17
8	---	5.30	5.24	5.45	6.34	5.27	5.25	5.19	5.21	5.17	5.20	5.16
9	---	5.28	5.24	5.51	5.55	5.28	5.25	5.19	5.37	5.16	5.23	5.19
10	---	5.28	5.25	6.16	5.49	5.28	5.27	5.18	5.99	5.15	5.31	5.22
11	---	5.28	5.90	5.66	5.42	5.27	5.27	5.18	5.42	5.16	6.24	5.23
12	---	5.28	7.69	5.42	5.35	6.35	5.48	5.53	5.24	5.16	5.63	5.37
13	---	5.28	7.18	5.38	5.33	5.91	5.29	5.25	5.22	5.17	5.33	5.42
14	---	5.29	5.79	5.35	5.47	5.45	5.23	5.23	5.29	5.18	5.23	5.21
15	---	5.29	5.54	5.34	5.45	5.36	5.21	5.25	5.29	5.46	5.28	5.18
16	---	5.29	5.43	5.33	5.33	5.31	5.21	5.19	5.25	5.49	5.24	5.17
17	---	5.29	5.38	5.34	5.31	5.29	5.20	5.18	5.76	5.20	5.28	5.16
18	---	5.29	5.35	5.49	5.31	5.29	5.20	5.23	5.36	5.18	5.30	5.16
19	---	5.29	5.33	5.37	5.30	5.76	5.40	5.76	6.06	5.17	5.22	5.44
20	---	5.28	5.32	5.35	5.29	6.93	6.35	5.23	5.46	5.17	5.20	6.09
21	---	5.28	5.30	5.34	5.28	5.63	5.34	5.19	5.25	5.19	5.21	5.50
22	5.44	5.31	5.30	5.34	5.27	5.44	5.23	5.18	5.24	5.20	5.28	5.23
23	5.43	5.28	5.30	5.35	5.26	5.37	5.21	5.17	5.22	5.22	5.23	5.20
24	5.32	5.28	5.30	5.37	5.26	5.35	5.21	5.17	5.18	5.32	5.22	5.19
25	5.37	5.29	5.30	6.64	5.26	5.33	5.21	5.21	5.17	5.35	5.22	5.19
26	5.25	5.39	5.31	5.80	5.26	5.32	5.22	6.88	5.17	5.51	5.21	5.19
27	7.34	5.57	5.33	5.47	5.26	5.30	5.21	5.89	5.19	5.75	5.22	5.25
28	8.83	5.69	5.56	5.39	5.26	5.29	5.20	5.58	5.20	5.75	5.23	5.26
29	7.90	5.74	5.35	5.35	---	5.28	5.19	6.26	5.18	5.23	5.22	5.30
30	7.37	5.44	5.31	5.32	---	5.29	5.19	5.46	5.19	5.19	5.55	5.27
31	6.69	---	5.33	5.30	---	5.28	---	5.25	---	5.26	5.35	---
MAX	8.83	5.80	7.69	6.64	6.68	6.93	6.35	6.88	6.06	5.75	6.24	6.09
MIN	---	5.28	5.23	5.30	5.26	5.25	5.19	5.17	5.17	5.15	5.20	5.16

07374572 CANAL W-14 AT DANEY STREET, AT SLIDELL, LA

LOCATION.--Lat 30°16'12", long 89°46'12", in NW 1/4, Sec.14, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of bridge on Daney Street, 0.7 mi southeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Datum of gage is 11.46 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR CURRENT YEAR.--Maximum gage height during period October to September, 17.59 ft October 28, minimum, 10.13 ft Mar. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.90	---	11.33	11.06	10.56	11.21	11.49	11.82	11.28	10.92	12.02
2	---	13.15	---	11.40	11.12	10.51	11.16	11.41	11.88	11.03	10.83	12.14
3	---	12.88	---	11.31	11.15	10.50	11.26	11.37	11.95	10.77	10.98	12.10
4	---	12.41	---	11.35	12.21	10.63	11.64	11.53	12.04	10.92	11.06	11.96
5	---	11.69	---	11.19	12.13	10.68	11.82	11.71	12.16	11.05	11.10	11.67
6	---	11.37	11.09	10.94	11.98	10.79	11.76	11.71	12.14	11.21	11.13	11.51
7	---	11.42	11.19	11.74	11.42	10.70	11.46	11.69	12.03	11.32	11.15	11.63
8	---	11.40	11.33	11.56	11.85	10.84	11.07	11.67	11.90	11.35	11.17	11.55
9	---	11.81	11.43	11.69	11.58	11.10	10.81	11.57	11.88	11.45	11.20	11.71
10	---	11.92	11.61	12.02	11.71	11.37	11.10	11.47	11.94	11.43	11.25	11.92
11	---	11.97	12.05	11.68	11.20	11.36	11.10	11.76	11.71	11.16	11.61	12.02
12	---	11.89	12.93	11.39	10.90	12.19	11.16	11.88	11.36	10.95	11.41	11.90
13	---	11.90	13.00	11.03	10.84	11.76	11.27	11.81	11.13	10.91	11.46	11.77
14	---	11.85	11.70	10.88	11.21	11.91	11.43	11.84	11.18	10.96	11.51	11.78
15	---	11.88	11.17	10.79	11.05	11.66	11.35	11.97	11.21	10.99	11.40	11.79
16	---	11.85	11.05	10.94	11.13	11.47	11.13	12.08	11.20	11.07	11.16	11.79
17	---	11.81	11.10	11.24	11.26	11.27	11.08	12.15	11.31	10.99	10.94	11.85
18	---	11.86	11.10	11.43	11.24	11.58	11.14	12.28	11.27	11.10	10.79	11.93
19	---	11.98	11.11	11.31	11.21	11.75	11.26	12.20	11.62	11.05	10.80	12.14
20	---	11.78	10.97	11.03	11.23	12.24	11.92	12.01	11.38	10.90	10.97	12.50
21	---	11.82	10.81	10.99	11.24	11.25	11.23	11.96	11.38	10.98	11.18	12.23
22	---	11.99	10.84	10.95	11.26	10.68	11.00	11.93	11.42	11.02	11.41	12.09
23	12.46	11.64	10.90	10.90	11.22	10.59	11.12	11.90	11.51	11.07	11.40	11.94
24	12.47	11.74	11.03	10.99	11.25	10.61	11.21	11.84	11.65	11.05	11.10	11.96
25	12.54	11.76	10.69	12.05	11.00	10.73	11.25	11.81	11.80	11.03	11.08	11.95
26	12.75	11.84	10.50	11.45	11.03	11.06	11.29	12.61	11.77	11.08	11.27	11.89
27	13.63	11.92	10.62	10.72	10.63	11.11	11.43	11.90	11.61	11.19	11.37	11.87
28	15.66	12.03	11.04	10.54	10.68	11.16	11.46	11.95	11.35	11.29	11.30	11.82
29	15.53	---	11.07	10.65	---	11.20	11.41	12.00	11.24	11.00	11.42	11.85
30	15.34	---	11.07	10.85	---	11.21	11.46	11.86	11.26	11.08	11.75	11.98
31	14.59	---	11.38	10.97	---	11.23	---	11.82	---	11.20	11.93	---
MAX	15.66	13.90	13.00	12.05	12.21	12.24	11.92	12.61	12.16	11.45	11.93	12.50
MIN	---	11.64	10.50	10.54	10.63	10.50	10.81	11.37	11.13	10.77	10.79	11.51

07374573 CANAL W-14 AT KINGSPPOINT BOULEVARD, AT SLIDELL, LA

LOCATION.--Lat 30°15'27", long 89°45'08", in SW 1/4 SW 1/4 Sec.13, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of bridge at Kingspoint Boulevard, off Interstate Service Road, 1.25 mi from the intersection of Interstate 10 and Highway 433, and 2.1 mi southeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.91 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Discharge affected by tide at all stages. No gage-height record Nov. 14, 20-22, Dec. 9-17, Feb. 13-20, Apr. 9-21, May 15 to June 24. No velocity record Nov. 14-22, Dec. 9-17, Feb. 13-20, Apr. 9-21, July 23, Aug. 21, 22, and Sept. 2-8.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded during period November 1985 to September 1986, 69 ft³/s Mar. 20, 1986; minimum daily discharge recorded, -4.0 ft³/s Sept. 9, 1986.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	27	17	13	3.8	17	22	---	14	19	9.8
2	---	---	23	15	14	1.9	18	21	---	19	19	6.0
3	---	---	8.3	19	15	14	15	20	---	15	17	4.0
4	---	---	14	20	34	14	15	17	---	17	18	7.0
5	---	---	19	25	54	1.2	19	19	---	17	18	5.0
6	---	---	21	13	40	22	23	21	---	17	14	7.0
7	---	---	11	32	17	10	26	18	---	23	20	4.0
8	---	---	20	22	29	13	28	21	---	18	23	0.0
9	---	---	13	23	17	12	29	21	---	20	25	-4.0
10	---	---	8.0	46	23	15	26	13	---	25	23	11
11	---	---	15	37	27	16	18	14	---	25	27	5.0
12	---	---	24	29	19	47	24	20	---	25	18	6.1
13	---	---	14	27	14	5.4	16	18	---	20	21	2.5
14	---	---	10	24	9.0	-1.1	10	15	---	21	25	.44
15	---	---	12	25	3.0	24	20	---	---	22	19	.49
16	---	---	14	16	16	22	14	---	---	17	17	6.9
17	---	---	22	14	30	20	6.0	---	---	16	20	14
18	---	---	15	20	12	11	20	---	---	20	18	13
19	---	---	15	28	28	35	50	---	---	20	15	14
20	---	---	23	20	40	69	38	---	---	15	15	21
21	---	---	12	25	14	31	26	---	---	17	16	16
22	---	---	12	25	10	19	21	---	---	15	18	8.8
23	---	22	15	24	1.7	18	15	---	---	14	20	17
24	---	21	18	15	13	17	20	---	---	21	22	14
25	---	23	22	62	5.4	11	18	---	20	18	8.7	13
26	---	27	13	39	6.7	11	17	---	22	18	11	15
27	---	30	11	25	15	18	18	---	20	20	13	9.7
28	---	29	21	14	-2.5	16	24	---	21	24	13	16
29	---	25	21	17	---	16	18	---	16	20	8.7	9.4
30	---	28	12	11	---	14	21	---	13	18	4.2	7.0
31	---	---	17	17	---	16	---	---	---	18	11	---
TOTAL	---	---	502.3	746	517.3	542.2	630.0	---	---	589	536.6	259.13
MEAN	---	---	16.2	24.1	18.5	17.5	21.0	---	---	19.0	17.3	8.64
MAX	---	---	27	62	54	69	50	---	---	25	27	21
MIN	---	---	8.0	11	-2.5	-1.1	6.0	---	---	14	4.2	-4.0

MISSISSIPPI RIVER DELTA

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07374573 CANAL W-14 AT KINGSPPOINT BOULEVARD, AT SLIDELL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	9.53	8.76	8.45	7.82	8.68	8.97	---	8.77	8.35	9.52
2	---	---	9.04	8.85	8.53	7.74	8.63	8.90	---	8.50	8.24	9.64
3	---	---	8.79	8.73	8.54	7.73	8.72	8.86	---	8.23	8.44	9.59
4	---	---	8.85	8.77	8.95	7.89	9.13	9.02	---	8.40	8.53	9.41
5	---	---	9.00	8.57	9.22	7.98	9.32	9.20	---	8.53	8.57	9.17
6	---	---	8.57	8.29	9.25	8.12	9.26	9.21	---	8.70	8.60	9.00
7	---	---	8.68	8.72	8.83	8.05	8.96	9.19	---	8.81	8.63	9.12
8	---	---	8.83	9.00	9.06	8.21	8.52	9.16	---	8.84	8.65	9.05
9	---	---	---	9.12	9.04	8.53	---	9.06	---	8.94	8.68	9.19
10	---	---	---	9.29	9.15	8.85	---	8.95	---	8.92	8.72	9.42
11	---	---	---	9.06	8.58	8.84	---	9.25	---	8.64	8.73	9.51
12	---	---	---	8.77	8.24	9.26	---	9.36	---	8.44	8.82	9.39
13	---	---	---	8.33	---	9.13	---	9.31	---	8.38	8.95	9.26
14	---	---	---	8.19	---	9.41	---	9.33	---	8.44	8.99	9.28
15	---	9.38	---	8.03	---	9.14	---	---	---	8.42	8.87	9.29
16	---	9.35	---	8.30	---	8.96	---	---	---	8.44	8.63	9.29
17	---	9.32	---	8.67	---	8.74	---	---	---	8.46	8.37	9.35
18	---	9.37	8.55	8.86	---	9.07	---	---	---	8.57	8.23	9.43
19	---	9.49	8.57	8.72	---	9.15	---	---	---	8.52	8.27	9.63
20	---	---	8.39	8.39	---	9.29	---	---	---	8.38	8.45	9.87
21	---	---	8.24	8.34	8.68	8.65	---	---	---	8.45	8.67	9.73
22	---	---	8.27	8.29	8.72	7.93	8.46	---	---	8.54	8.90	9.59
23	---	9.14	8.34	8.24	8.68	7.86	8.59	---	---	8.67	8.88	9.44
24	---	9.24	8.47	8.37	8.71	7.92	8.69	---	---	8.51	8.57	9.46
25	---	9.26	8.04	8.87	8.43	8.08	8.73	---	9.30	8.49	8.55	9.45
26	---	9.34	7.79	8.62	8.46	8.50	8.77	---	9.27	8.54	8.75	9.38
27	---	9.40	7.96	7.57	7.96	8.58	8.92	---	9.10	8.58	8.86	9.37
28	---	9.51	8.36	7.49	8.04	8.62	8.95	---	8.84	8.62	8.78	9.31
29	---	9.52	8.50	7.83	---	8.68	8.89	---	8.73	8.46	8.91	9.34
30	---	9.48	8.50	8.19	---	8.69	8.95	---	8.74	8.56	9.18	9.48
31	---	---	8.82	8.33	---	8.70	---	---	---	8.63	9.42	---
MAX	---	---	9.53	9.29	9.25	9.41	9.32	---	---	8.94	9.42	9.87
MIN	---	---	7.79	7.49	7.96	7.73	---	---	---	8.23	8.23	9.00

07374577 BAYOU BONFOUCA AT WEST HALL ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'05", long 89°47'30", in SE 1/4 Sec.4, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on upstream side of bridge on West Hall Road, 0.9 mi northwest of Slidell city hall, and 7.5 mi from U.S. Highway 11

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Datum of gage is 8.63 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 11.33 ft Dec. 12, but may have been higher during the period of no gage-height record, May 5 to June 5; minimum recorded, 7.61 ft Jan. 27, but may have been lower during the period of no gage-height record, May 5 to June 5.

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	10.15	9.34	9.06	8.40	9.26	9.60	---	9.37	8.88	10.26
2	---	---	9.52	9.46	9.15	8.29	9.18	9.49	---	9.10	8.75	10.35
3	---	---	9.34	9.32	9.14	8.32	9.31	9.47	---	8.77	9.03	10.19
4	---	---	9.44	9.36	9.69	8.43	9.84	9.65	---	8.96	9.16	9.96
5	---	---	9.60	9.11	10.00	8.55	10.06	---	---	9.13	9.18	9.66
6	---	---	9.13	8.87	9.99	8.75	9.93	---	10.28	9.31	9.20	9.55
7	---	---	9.26	9.27	9.39	8.62	9.50	---	10.08	9.43	9.23	9.75
8	---	---	9.44	9.64	9.70	8.80	9.05	---	9.92	9.46	9.27	9.64
9	---	---	9.53	9.79	9.64	9.16	8.67	---	9.88	9.60	9.31	9.83
10	---	---	9.73	9.95	9.79	9.50	9.18	---	9.80	9.56	9.34	10.14
11	---	---	10.05	9.59	8.98	9.44	9.16	---	9.68	9.25	9.32	10.21
12	---	---	10.31	9.33	8.75	9.95	9.16	---	9.30	9.02	9.43	9.96
13	---	---	10.59	8.91	8.77	9.56	9.37	---	9.10	8.98	9.58	9.82
14	---	---	9.36	8.79	9.20	10.24	9.58	---	9.22	9.06	9.61	9.90
15	---	---	9.12	8.61	8.94	9.69	9.43	---	9.28	9.02	9.47	9.92
16	---	---	9.05	8.86	9.13	9.51	9.10	---	9.27	9.03	9.24	9.91
17	---	---	9.11	9.29	9.29	9.23	9.12	---	9.34	9.06	8.94	9.99
18	---	---	9.11	9.48	9.28	9.79	9.20	---	9.34	9.19	8.79	10.07
19	---	---	9.14	9.32	9.24	9.73	9.33	---	9.38	9.13	8.84	10.34
20	---	---	8.98	8.98	9.27	9.63	9.87	---	9.43	8.96	9.05	10.60
21	---	---	8.80	8.94	9.28	9.03	9.15	---	9.49	9.01	9.28	10.28
22	---	10.06	8.84	8.89	9.31	8.38	8.97	---	9.53	9.10	9.57	10.19
23	---	9.68	8.91	8.84	9.26	8.42	9.20	---	9.63	9.16	9.52	10.03
24	---	9.82	9.03	8.97	9.33	8.47	9.31	---	9.79	9.12	9.15	10.09
25	---	9.86	8.63	9.48	9.01	8.64	9.34	---	10.02	9.07	9.15	10.07
26	---	9.95	8.39	9.20	9.06	9.12	9.37	---	9.96	9.14	9.37	9.99
27	---	9.98	8.52	8.14	8.51	9.16	9.57	---	9.73	9.16	9.51	10.00
28	---	10.10	8.88	8.02	8.54	9.20	9.60	---	9.42	9.21	9.38	9.94
29	---	10.09	9.09	8.38	---	9.25	9.49	---	9.31	9.02	9.57	9.99
30	---	10.07	9.07	8.77	---	9.27	9.59	---	9.34	9.12	9.89	10.17
31	---	---	9.45	8.94	---	9.28	---	---	---	9.22	10.21	---
MAX	---	---	10.59	9.95	10.00	10.24	10.06	---	---	9.60	10.21	10.60
MIN	---	---	8.39	8.02	8.51	8.29	8.67	---	9.10	8.77	8.75	9.55

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'57", long 90°14'55", on line between SE 1/4 NE 1/4 and SW 1/4 NE 1/4 sec.13, T.5 S., R.9 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08090201, near center of span on downstream side of bridge on State Highway 40, 1.2 mi upstream from Bull Branch, and 3.6 mi southwest of Folsom.

DRAINAGE AREA.--95.5 mi², not including Bull Branch which has a drainage area of 7.5 mi² at State Highway 40. Total drainage area for extreme floods is 103 mi².

PERIOD OF RECORD.--October 1943 to current year. Prior to January 1944 monthly discharge only, published in WSP 1311. Prior to October 1954, published as Chefuncte River near Folsom.

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WRD LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft above National Geodetic Vertical Datum of 1929. Prior to June 9, 1944, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records excellent. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--43 years, 158 ft³/s, 22.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,800 ft³/s Apr. 5, 1983, gage height, 24.12 ft from rating curve extended above 13,000 ft³/s by slope conveyance measurement at gage height 24.12 ft; minimum discharge, 26 ft³/s Sept. 4, 15, 1968; minimum gage height, 4.77 ft Sept. 18, 19, 30, 1986.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	0730	*557	*10.51	No peak above base discharge.			

Minimum discharge, 33 ft³/s Sept. 18, 19, 30, gage height, 4.77 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	356	54	258	65	63	57	50	49	45	38	37
2	53	169	54	250	64	62	57	49	47	45	38	37
3	51	119	55	125	63	62	56	49	46	44	44	37
4	50	101	52	101	65	68	55	48	46	43	40	37
5	49	86	52	89	185	71	55	47	53	42	38	36
6	48	76	52	84	348	67	54	47	53	42	38	36
7	47	71	51	91	209	65	54	47	47	42	38	36
8	47	67	51	150	138	63	53	47	45	42	38	36
9	46	64	51	124	112	63	52	47	45	41	36	35
10	46	62	52	106	99	62	51	46	45	40	37	35
11	46	60	52	130	92	62	50	45	54	41	37	34
12	47	59	70	128	89	65	53	46	49	40	46	35
13	48	59	225	102	83	144	65	46	44	40	44	38
14	48	58	281	89	78	231	67	45	43	39	58	36
15	48	57	154	82	77	118	57	45	43	38	45	35
16	48	57	99	77	75	88	53	44	42	38	55	34
17	51	56	85	74	86	77	51	56	86	41	44	34
18	50	55	77	72	141	71	50	50	95	43	44	34
19	48	55	72	72	103	69	51	53	85	42	42	34
20	48	54	69	71	88	79	58	56	74	41	40	35
21	48	54	66	68	81	76	82	49	106	42	38	48
22	47	53	64	67	76	68	68	45	65	42	37	56
23	48	53	63	65	72	64	57	44	79	42	37	40
24	50	53	62	63	68	63	53	43	69	39	37	37
25	49	52	60	66	67	63	52	45	53	40	38	35
26	49	53	58	94	65	62	51	63	48	60	37	35
27	52	53	59	100	65	62	51	118	50	48	37	35
28	103	54	85	79	64	62	50	71	47	41	45	35
29	220	55	131	71	---	61	50	57	45	42	41	34
30	392	55	98	69	---	60	50	51	45	40	38	34
31	541	---	83	67	---	59	---	51	---	38	37	---
TOTAL	2570	2276	2537	3084	2818	2350	1663	1600	1698	1303	1262	1100
MEAN	82.9	75.9	81.8	99.5	101	75.8	55.4	51.6	56.6	42.0	40.7	36.7
MAX	541	356	281	258	348	231	82	118	106	60	58	56
MIN	46	52	51	63	63	59	50	43	42	38	36	34
CFSM	.87	.79	.86	1.04	1.06	.79	.58	.54	.59	.44	.43	.38
IN.	1.00	.89	.99	1.20	1.10	.92	.65	.62	.66	.51	.49	.43

CAL YR 1985	TOTAL	38255	MEAN	105	MAX	1320	MIN	46	CFSM	1.10	IN.	14.90
WTR YR 1986	TOTAL	24261	MEAN	66.5	MAX	541	MIN	34	CFSM	.70	IN.	9.45

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.23	8.88	5.27	7.93	5.46	5.35	5.25	5.10	5.09	5.01	4.87	4.85
2	5.25	7.01	5.27	7.87	5.44	5.33	5.24	5.09	5.06	5.00	4.87	4.85
3	5.21	6.36	5.27	6.45	5.43	5.34	5.22	5.08	5.03	4.99	5.00	4.85
4	5.18	6.10	5.23	6.10	5.47	5.44	5.21	5.07	5.03	4.97	4.92	4.85
5	5.16	5.85	5.22	5.92	7.14	5.50	5.20	5.06	5.16	4.96	4.88	4.84
6	5.14	5.68	5.22	5.82	8.85	5.43	5.19	5.06	5.17	4.94	4.86	4.83
7	5.11	5.57	5.21	5.92	7.43	5.39	5.17	5.06	5.05	4.96	4.86	4.83
8	5.12	5.49	5.21	6.78	6.53	5.36	5.16	5.05	5.02	4.95	4.87	4.82
9	5.11	5.44	5.21	6.44	6.17	5.35	5.14	5.04	5.01	4.94	4.85	4.82
10	5.11	5.40	5.21	6.17	5.96	5.34	5.12	5.03	5.01	4.92	4.85	4.82
11	5.11	5.37	5.22	6.51	5.86	5.34	5.11	5.02	5.19	4.92	4.86	4.80
12	5.11	5.36	5.54	6.48	5.81	5.40	5.17	5.03	5.09	4.92	5.03	4.82
13	5.14	5.34	7.65	6.11	5.70	6.57	5.39	5.03	5.00	4.91	5.00	4.87
14	5.15	5.33	8.24	5.90	5.62	7.68	5.42	5.01	4.97	4.89	5.26	4.82
15	5.15	5.32	6.82	5.77	5.59	6.24	5.23	5.01	4.97	4.88	5.02	4.81
16	5.15	5.31	6.07	5.69	5.57	5.78	5.17	4.99	4.96	4.88	5.19	4.80
17	5.21	5.30	5.83	5.63	5.73	5.59	5.13	5.22	5.69	4.94	5.00	4.79
18	5.18	5.28	5.69	5.60	6.57	5.49	5.12	5.12	5.88	4.98	4.99	4.79
19	5.15	5.28	5.60	5.60	6.02	5.46	5.12	5.16	5.73	4.96	4.95	4.79
20	5.15	5.27	5.54	5.57	5.79	5.63	5.25	5.21	5.53	4.94	4.91	4.82
21	5.14	5.26	5.48	5.52	5.67	5.58	5.69	5.09	6.06	4.95	4.87	5.06
22	5.13	5.25	5.44	5.49	5.58	5.45	5.44	5.01	5.39	4.95	4.86	5.23
23	5.14	5.25	5.42	5.45	5.51	5.38	5.23	4.99	5.64	4.95	4.86	4.92
24	5.18	5.24	5.41	5.43	5.46	5.36	5.17	4.98	5.46	4.90	4.86	4.85
25	5.16	5.23	5.37	5.49	5.42	5.35	5.13	5.01	5.17	4.91	4.88	4.82
26	5.16	5.24	5.34	5.98	5.40	5.34	5.12	5.34	5.08	5.29	4.85	4.81
27	5.23	5.24	5.35	6.08	5.39	5.33	5.12	6.25	5.12	5.06	4.86	4.81
28	6.10	5.26	5.82	5.71	5.37	5.33	5.11	5.49	5.05	4.93	5.01	4.82
29	7.61	5.28	6.53	5.58	---	5.31	5.11	5.24	5.02	4.95	4.93	4.79
30	9.20	5.28	6.05	5.53	---	5.29	5.11	5.13	5.02	4.92	4.87	4.78
31	10.39	---	5.80	5.49	---	5.27	---	5.14	---	4.88	4.86	---
MAX	10.39	8.88	8.24	7.93	8.85	7.68	5.69	6.25	6.06	5.29	5.26	5.23
MIN	5.11	5.23	5.21	5.43	5.37	5.27	5.11	4.98	4.96	4.88	4.85	4.78

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'40", long 90°10'10", in SW1/4 sec.26, T.6 S., R.10 E., St. Helena Meridian, St. Tammany Parish, Hydrologic Unit 08090201, at bridge on U.S. Highway 190, and 4.0 mi west of Covington.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--Water years 1959, 1966-68, 1974, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1982.

WATER TEMPERATURES: April 1978 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 66 micromhos Feb. 24, 1979; minimum daily, 20 micromhos, Apr. 14, May 17, 18, 22, 1980.

WATER TEMPERATURES: Maximum daily, 34.0°C July 25, 1980; minimum daily, 4.0°C Jan. 11, 12, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 18...	1130	74	42	7.00	23.0	20	15	8.0	0.8	1100
JAN 07...	1200	155	52	6.60	10.5	50	30	10.5	1.4	420
APR 02...	1300	67	40	6.70	20.0	20	10	8.9	1.1	42
JUL 17...	1400	52	36	6.60	26.5	20	23	7.4	1.1	160

DATE	STREP- TOCOC FECAL KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 18...	470	7	1.5	0.71	5.0	1.1	13	2.6	4.8	<0.1
JAN 07...	1600	9	1.8	1.0	5.9	2.1	10	3.0	6.3	<0.1
APR 02...	K36	7	1.6	0.84	4.4	1.0	10	3.6	4.7	<0.1
JUL 17...	110	7	1.5	0.73	3.6	1.4	8	3.1	3.5	<0.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 18...	12	34	36	0.11	0.04	0.02	<0.2	0.06	0.05	<0.01
JAN 07...	13	48	42	0.28	0.07	0.06	0.6	0.08	0.05	0.03
APR 02...	12	41	35	0.11	0.02	0.03	0.4	0.07	0.05	0.04
JUL 17...	11	30	31	0.19	—	0.09	0.4	0.12	0.05	0.05

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 18...	80	1	23	<0.5	<1	2	<3	2	220	<5
JAN 07...	170	<1	28	<0.5	<1	<1	<3	3	550	<5
APR 02...	390	<1	23	<0.5	<1	<1	<3	3	280	8

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 18...	<4	25	<0.1	<10	<1	<1	<1	17	<6	4
JAN 07...	<4	37	<0.1	<10	2	<1	<1	21	<6	10
APR 02...	<4	2	<0.1	<10	<1	<1	<1	18	<6	<3

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	7	1.4	68
JAN 07...	38	16	61
APR 02...	4	0.72	49
JUL 17...	17	2.4	63

< Actual value is known to be less than the value shown.

07375500 TANGIPAHOA RIVER AT ROBERT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'23", long 90°21'42", on line between lots 39 and 40, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappapeela Creek, and 6.0 mi east of Hammond.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--646 mi².

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Several measurements of water temperature were made during the year

AVERAGE DISCHARGE.--48 years, 1,142 ft³/s, 24.01 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,000 ft³/s Apr. 7, 1983, gage height, 25.87 ft, from floodmark, from rating curve extended above 62,700 ft³/s; minimum discharge, 245 ft³/s Oct. 30 to Nov. 3, 1968; minimum gage height, 2.95 ft Oct. 25, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1921 reached a stage of 27.1 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	0800	*9570	*16.34	No other peak greater than base discharge.			

Minimum discharge, 362 ft³/s Sept. 30; minimum gage height, 5.30 ft Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	747	7340	552	1040	581	613	640	551	1540	571	540	441
2	797	4450	554	1380	573	609	632	549	1310	572	525	437
3	716	2150	559	1080	567	604	623	545	962	560	521	450
4	662	1510	545	908	599	840	616	542	829	561	531	461
5	572	1230	532	806	2070	705	610	538	702	549	532	464
6	539	1070	525	742	4180	639	603	532	671	538	524	454
7	525	965	520	744	3230	614	597	528	676	554	520	447
8	517	873	519	859	1670	601	590	528	645	568	512	434
9	530	806	516	1020	1240	594	584	526	621	583	509	423
10	619	761	515	967	1100	590	578	526	608	542	525	417
11	593	724	520	1020	1360	587	576	573	645	529	580	416
12	523	701	666	1020	1180	682	608	625	625	531	796	413
13	537	679	1860	841	990	3070	691	904	591	525	595	412
14	536	657	2110	753	895	4980	761	797	574	519	562	405
15	521	641	1630	704	801	3570	694	621	564	519	538	399
16	532	626	1230	672	760	1620	633	573	557	614	541	395
17	527	615	971	650	776	1210	601	556	655	567	569	391
18	532	602	845	636	978	1060	580	554	909	624	528	388
19	518	593	823	627	787	952	574	612	847	590	516	387
20	507	584	818	613	724	1230	644	813	807	571	511	394
21	503	572	794	601	692	1580	785	762	761	559	494	417
22	497	566	775	591	670	1330	824	644	647	545	483	399
23	498	563	724	583	652	998	682	587	655	540	483	390
24	665	556	648	579	639	860	627	564	617	609	481	384
25	1030	552	623	649	627	793	597	562	584	616	473	379
26	918	550	605	905	620	752	581	992	562	612	463	374
27	767	549	601	952	619	721	571	1150	552	573	464	379
28	2270	553	762	782	618	701	566	1040	553	550	475	378
29	4680	555	960	661	---	681	562	1070	553	573	470	370
30	7840	562	848	620	---	664	555	1060	564	574	456	365
31	9300	---	753	597	---	649	---	1330	---	573	449	---
TOTAL	40518	33155	24903	24602	30198	35099	18785	21754	21386	17641	16166	12263
MEAN	1307	1105	803	794	1079	1132	626	702	713	569	521	409
MAX	9300	7340	2110	1380	4180	4980	824	1330	1540	698	796	464
MIN	497	549	515	579	567	587	555	526	552	519	449	365
CFSM	2.02	1.71	1.24	1.23	1.67	1.75	.97	1.09	1.10	.88	.81	.63
IN.	2.33	1.91	1.43	1.42	1.74	2.02	1.08	1.25	1.23	1.02	.93	.71

CAL YR 1985	TOTAL	384956	MEAN	1055	MAX	10800	MIN	450	CFSM	1.63	IN.	22.17
WTR YR 1986	TOTAL	296470	MEAN	812	MAX	9300	MIN	365	CFSM	1.26	IN.	17.07

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.73	15.45	6.22	7.58	6.11	6.24	6.35	5.92	8.77	5.86	5.63	5.39
2	6.90	13.48	6.23	8.50	6.07	6.23	6.32	5.91	8.17	5.86	5.56	5.38
3	6.63	10.31	6.25	7.69	6.04	6.21	6.28	5.89	7.22	5.79	5.54	5.48
4	6.43	8.82	6.19	7.22	6.17	7.01	6.26	5.87	6.83	5.79	5.58	5.57
5	6.07	8.11	6.14	6.93	10.01	6.59	6.23	5.84	6.43	5.73	5.59	5.60
6	5.90	7.68	6.10	6.72	13.33	6.35	6.20	5.81	6.31	5.68	5.54	5.55
7	5.84	7.40	6.09	6.73	12.11	6.25	6.18	5.79	6.33	5.74	5.52	5.53
8	5.80	7.18	6.08	7.07	9.22	6.19	6.15	5.78	6.21	6.32	5.48	5.46
9	5.86	7.02	6.07	7.55	8.14	6.16	6.12	5.77	6.10	5.89	5.46	5.41
10	6.27	6.90	6.06	7.39	7.76	6.15	6.10	5.77	6.05	5.69	5.54	5.39
11	6.15	6.80	6.09	7.54	8.45	6.14	6.09	5.99	6.20	5.63	5.78	5.40
12	5.82	6.73	6.57	7.55	7.97	6.47	6.22	6.20	6.12	5.63	6.59	5.39
13	5.89	6.66	9.67	7.03	7.45	11.66	6.54	7.13	5.98	5.59	5.88	5.40
14	5.89	6.60	10.25	6.76	7.18	14.02	6.78	6.80	5.90	5.56	5.75	5.37
15	5.81	6.54	9.14	6.59	6.91	12.50	6.55	6.18	5.85	5.57	5.65	5.35
16	5.87	6.49	8.12	6.48	6.78	9.09	6.32	5.98	5.81	6.00	5.68	5.34
17	5.85	6.45	7.40	6.39	6.82	8.06	6.19	5.90	6.17	5.80	5.83	5.32
18	5.87	6.41	7.04	6.34	7.42	7.64	6.11	5.88	7.04	6.04	5.64	5.31
19	5.80	6.38	6.98	6.30	6.87	7.34	6.07	6.13	6.86	5.90	5.60	5.32
20	5.75	6.35	6.96	6.24	6.66	8.08	6.35	6.84	6.74	5.81	5.59	5.38
21	5.72	6.30	6.89	6.19	6.55	9.02	6.84	6.67	6.59	5.76	5.52	5.56
22	5.70	6.28	6.83	6.15	6.47	8.38	6.96	6.25	6.19	5.67	5.48	5.45
23	5.70	6.26	6.66	6.12	6.40	7.47	6.49	6.03	6.21	5.65	5.50	5.41
24	6.39	6.24	6.38	6.10	6.35	7.08	6.28	5.91	6.06	5.97	5.50	5.38
25	7.58	6.22	6.28	6.37	6.30	6.88	6.15	5.90	5.92	5.99	5.48	5.35
26	7.25	6.21	6.21	7.21	6.27	6.75	6.08	7.32	5.82	5.98	5.44	5.34
27	6.80	6.21	6.20	7.34	6.27	6.65	6.03	7.76	5.77	5.80	5.46	5.38
28	10.37	6.22	6.77	6.84	6.26	6.58	6.01	7.47	5.76	5.69	5.53	5.40
29	13.72	6.23	7.37	6.43	---	6.51	5.98	7.56	5.77	5.80	5.52	5.35
30	15.67	6.26	7.05	6.27	---	6.44	5.95	7.52	5.82	5.81	5.46	5.34
31	16.24	---	6.76	6.18	---	6.39	---	8.23	---	5.80	5.43	---
MAX	16.24	15.45	10.25	8.50	13.33	14.02	6.96	8.23	8.77	6.32	6.59	5.60
MIN	5.70	6.21	6.06	6.10	6.04	6.14	5.95	5.77	5.76	5.56	5.43	5.31

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1954-56, 1966-76, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1979 to September 1982.

WATER TEMPERATURES: November 1979 to September 1982.

INSTRUMENTATION.--Water-quality monitor November 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 87 micromhos Dec. 6, 1981; minimum, 27 micromhos Apr. 2, 3, 1982.

WATER TEMPERATURES: Maximum 33.0°C July 22, 24, 1981; minimum, 4.0°C Jan. 15, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 18...	1330	532	51	6.90	25.5	5	1.3	8.2	0.6	760
JAN 07...	1315	756	54	6.70	11.0	5	5.5	10.6	1.3	K320
APR 02...	1400	632	50	6.90	22.0	5	3.0	8.8	1.6	60
JUL 17...	1515	517	49	7.50	28.0	20	5.5	--	--	220

DATE	STREP- TOCOCCI FECAL KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 18...	300	9	2.2	0.94	5.1	1.7	14	1.7	5.4	<0.1
JAN 07...	580	11	2.6	1.1	5.0	1.9	12	5.6	7.0	<0.1
APR 02...	1800	10	2.5	1.0	4.7	1.6	12	4.5	5.5	<0.1
JUL 17...	K30	9	2.2	0.94	5.1	2.0	10	2.3	4.9	<0.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 18...	13	43	38	0.24	0.10	0.08	0.3	0.08	0.06	0.04
JAN 07...	13	47	43	0.30	0.08	0.07	0.3	0.07	0.02	0.02
APR 02...	12	42	39	0.15	<0.01	0.02	0.5	0.06	0.04	0.02
JUL 17...	12	37	35	0.33	0.12	0.14	0.4	0.17	0.07	0.05

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 18...	<10	1	28	<0.5	<1	2	<3	2	140	<5
JAN 07...	50	<1	36	0.6	<1	<1	<3	1	150	<5
APR 02...	20	<1	34	<0.5	<1	<1	<3	1	250	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 18...	<4	74	<0.1	<10	2	<1	<1	23	<6	5
JAN 07...	<4	86	<0.1	<10	1	<1	<1	29	<6	<3
APR 02...	<4	70	<0.1	<10	2	<1	<1	25	<6	8

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	12	17	97
JAN 07...	22	45	62
APR 02...	17	29	73
JUL 17...	35	49	77

< Actual value is known to be less than the value shown.

07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between lots 46 and 47, T.1 S., R.5 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 mi².

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to current year (gage heights only).

GAGE.--Water-stage recorder with a data-collection platform and rain gage. Datum of gage is 204.44 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 ft³/s, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s Apr. 6, 1983, maximum gage height, 13.30 ft; minimum discharge, 29 ft³/s Sept. 26-30, 1968; minimum gage height, 1.76 ft Oct. 9, 11, 12, 13, 14, 15, 16, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,380 ft³/s Oct. 30, gage height, 8.81 ft; minimum, 64 ft³/s Oct. 9, 10, 11, 12, July 6, 7, 14, 15, 16, 17, gage height, 2.41 ft.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.75	5.15	2.79	4.00	2.71	2.69	2.73	2.93	4.75	2.51	2.49	2.50
2	2.63	3.72	2.77	3.34	2.69	2.68	2.73	2.92	3.34	2.48	2.54	2.51
3	2.54	3.32	2.71	3.08	2.68	2.71	2.74	2.92	3.00	2.48	2.58	2.67
4	2.49	3.11	2.70	2.95	3.92	2.74	2.75	2.92	2.86	2.47	2.50	2.70
5	2.46	2.97	2.71	2.87	7.35	2.71	2.79	2.93	3.48	2.46	2.52	2.54
6	2.45	2.88	2.70	2.82	6.79	2.71	2.80	2.92	3.45	2.44	2.73	2.52
7	2.44	2.81	2.69	2.86	3.92	2.69	2.81	2.92	3.01	2.89	2.55	2.51
8	2.44	2.76	2.70	3.03	3.40	2.69	2.79	2.92	2.83	2.90	2.52	2.51
9	2.44	2.74	2.70	3.08	3.16	2.67	2.80	2.91	2.94	2.51	2.51	2.51
10	2.44	2.72	2.70	3.06	3.05	2.66	2.78	2.92	2.92	2.46	2.53	2.50
11	2.43	2.70	2.75	3.17	2.96	2.67	2.78	3.07	2.81	2.49	2.59	2.49
12	2.43	2.70	3.41	3.16	2.90	3.72	2.92	3.81	2.72	2.52	2.54	2.50
13	2.47	2.71	4.55	3.02	2.85	6.75	3.03	2.92	2.67	2.47	2.53	2.51
14	2.46	2.72	4.33	2.93	2.82	5.74	2.91	2.65	2.64	2.45	2.57	2.50
15	2.46	2.73	3.42	2.85	2.81	3.57	2.87	2.59	2.61	2.43	2.97	2.48
16	2.54	2.76	3.11	2.81	2.81	3.21	2.84	2.57	2.60	2.44	2.86	2.48
17	2.56	2.74	2.95	2.79	2.80	3.19	2.84	2.57	2.59	2.49	2.66	2.48
18	2.48	2.75	2.87	2.78	2.80	3.06	2.84	2.83	2.62	2.46	2.66	2.47
19	2.48	2.75	2.82	2.77	2.79	4.04	2.86	3.56	2.63	2.46	2.57	2.51
20	2.48	2.74	2.78	2.75	2.78	5.00	3.38	3.20	2.60	2.48	2.54	2.56
21	2.48	2.73	2.77	2.75	2.76	3.62	3.74	2.78	2.58	2.49	2.53	2.55
22	2.48	2.70	2.75	2.74	2.73	3.20	3.14	2.63	2.56	2.58	2.53	2.54
23	2.53	2.71	2.75	2.74	2.72	3.01	2.99	2.58	2.55	2.60	2.54	2.55
24	2.77	2.70	2.74	2.72	2.71	2.93	2.93	2.55	2.54	2.77	2.53	2.55
25	3.04	2.70	2.74	2.97	2.70	2.84	2.93	2.84	2.53	2.63	2.52	2.71
26	2.73	2.71	2.74	3.67	2.71	2.80	2.93	3.74	2.53	2.51	2.51	2.65
27	2.85	2.70	2.80	3.13	2.72	2.76	2.95	3.83	2.52	2.49	2.51	2.55
28	4.65	2.73	3.26	2.92	2.70	2.76	2.95	3.80	2.52	3.46	2.51	2.57
29	6.58	2.72	3.18	2.83	---	2.74	2.94	4.15	2.61	3.03	2.51	2.57
30	8.64	2.72	3.01	2.78	---	2.74	2.94	4.54	2.56	2.64	2.50	2.55
31	7.95	---	3.38	2.73	---	2.73	---	6.06	---	2.53	2.50	---
MAX	8.64	5.15	4.55	4.00	7.35	6.75	3.74	6.06	4.75	3.46	2.97	2.71
MIN	2.43	2.70	2.69	2.72	2.68	2.66	2.73	2.55	2.52	2.43	2.49	2.47

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in SE 1/4 NE 1/4 sec.26, T.6 S., R.5 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi west of Holden, and 5.1 mi upstream from Big Branch.

DRAINAGE AREA.--247 mi².

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1711: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years, 368 ft³/s, 20.23 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,470 ft³/s Apr. 7, 1983, gage height, 21.04 ft; from flood-mark, from rating curve extended above 18,700 ft³/s; minimum discharge, 65 ft³/s Oct. 1, 2, 3, 4, 1969; minimum gage height, 0.93 ft Sept. 26, 27, Oct. 21, 22, 23, 24, 28, 29, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	1700	*7120	*16.33	Mar. 15	0430	2090	8.71
Feb. 7	1330	2240	9.09				

Minimum discharge, 88 ft³/s Oct. 10; minimum gage height, 0.97 ft Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	5310	119	461	149	141	154	117	707	113	131	95
2	121	3800	118	423	141	137	150	115	771	112	115	97
3	118	2450	119	373	137	135	146	113	526	110	111	106
4	110	918	118	267	180	165	144	113	328	108	105	116
5	99	548	115	217	683	163	141	112	245	106	108	134
6	98	407	114	195	1660	146	139	110	190	104	105	116
7	97	327	113	184	2150	137	136	111	240	103	101	118
8	95	274	113	188	1710	134	134	110	226	105	108	143
9	93	239	112	193	833	131	132	109	179	122	109	113
10	90	215	112	209	436	130	129	110	160	157	103	103
11	91	200	112	257	409	129	125	112	166	114	115	98
12	92	187	145	297	589	405	132	210	154	106	172	97
13	100	177	429	275	382	1550	143	198	142	106	133	95
14	104	168	634	235	299	1950	158	227	133	109	112	102
15	108	161	552	205	259	1900	152	155	126	103	110	97
16	117	155	423	187	234	1180	137	126	122	101	125	94
17	113	150	273	174	218	522	129	115	119	104	149	93
18	108	146	213	164	210	361	124	114	121	101	134	92
19	117	143	185	157	201	313	123	122	146	101	115	90
20	103	138	166	152	191	306	140	125	151	103	108	90
21	96	134	153	148	181	504	182	191	298	107	105	94
22	94	131	146	144	172	549	227	177	246	111	105	101
23	99	130	141	141	165	349	240	136	165	109	103	100
24	183	127	137	138	158	268	173	120	130	106	108	96
25	349	126	133	145	153	230	146	225	119	126	102	93
26	215	124	131	155	148	209	135	521	113	172	100	96
27	197	123	134	185	144	193	129	313	111	168	101	101
28	1130	122	210	246	142	182	126	325	113	129	99	99
29	2950	121	250	195	---	173	124	289	115	191	97	93
30	3810	120	242	170	---	165	120	312	111	243	96	94
31	6230	---	214	157	---	159	---	466	---	184	94	---
TOTAL	17442	17371	6176	6637	12334	13016	4370	5699	6473	3834	3479	3056
MEAN	563	579	199	214	441	420	146	184	216	124	112	102
MAX	6230	5310	634	461	2150	1950	240	521	771	243	172	143
MIN	90	120	112	138	137	129	120	109	111	101	94	90
CF SM	2.28	2.34	.81	.87	1.79	1.70	.59	.74	.87	.50	.45	.41
IN.	2.63	2.62	.93	.00	1.86	1.96	.66	.86	.97	.58	.52	.46
CAL YR 1985	TOTAL	122848	MEAN	337	MAX	6230	MIN	90	CF SM	1.36	IN.	18.50
WTR YR 1986	TOTAL	99887	MEAN	274	MAX	6230	MIN	90	CF SM	1.11	IN.	15.04

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.37	14.69	1.70	3.57	1.86	1.74	1.80	1.45	4.55	1.33	1.46	1.04
2	1.43	12.57	1.69	3.45	1.79	1.71	1.78	1.43	4.78	1.32	1.31	1.06
3	1.41	9.57	1.70	3.23	1.76	1.69	1.74	1.40	3.77	1.29	1.26	1.17
4	1.32	5.28	1.69	2.70	2.05	1.93	1.72	1.39	2.86	1.25	1.17	1.27
5	1.18	3.98	1.66	2.41	4.37	1.92	1.69	1.38	2.37	1.23	1.21	1.46
6	1.16	3.41	1.65	2.25	7.55	1.78	1.67	1.35	2.00	1.20	1.17	1.30
7	1.15	3.05	1.64	2.17	8.87	1.71	1.65	1.36	2.34	1.19	1.12	1.30
8	1.13	2.78	1.63	2.20	7.69	1.67	1.63	1.35	2.25	1.22	1.21	1.54
9	1.12	2.59	1.62	2.23	4.96	1.64	1.61	1.34	1.92	1.36	1.23	1.26
10	1.09	2.45	1.62	2.35	3.47	1.63	1.58	1.35	1.78	1.70	1.13	1.12
11	1.10	2.34	1.63	2.64	3.34	1.62	1.55	1.38	1.83	1.32	1.28	1.07
12	1.11	2.25	1.91	2.84	4.10	2.98	1.61	2.12	1.74	1.22	1.77	1.06
13	1.19	2.18	3.45	2.73	3.21	7.24	1.70	2.09	1.64	1.21	1.45	1.04
14	1.25	2.11	4.31	2.51	2.81	8.34	1.82	2.28	1.55	1.25	1.25	1.12
15	1.29	2.06	4.00	2.31	2.59	8.20	1.77	1.76	1.49	1.17	1.22	1.06
16	1.40	2.02	3.47	2.17	2.43	6.11	1.65	1.52	1.45	1.15	1.36	1.03
17	1.35	1.98	2.76	2.07	2.33	3.80	1.58	1.41	1.42	1.19	1.60	1.02
18	1.30	1.94	2.42	2.00	2.27	3.09	1.53	1.40	1.44	1.15	1.47	1.01
19	1.41	1.92	2.22	1.95	2.21	2.84	1.52	1.48	1.63	1.15	1.29	.99
20	1.23	1.88	2.08	1.91	2.14	2.81	1.67	1.50	1.69	1.17	1.20	.98
21	1.15	1.84	1.98	1.88	2.07	3.72	1.99	2.03	2.66	1.23	1.15	1.03
22	1.13	1.81	1.92	1.84	1.99	3.92	2.29	1.93	2.36	1.26	1.16	1.11
23	1.18	1.80	1.87	1.81	1.94	3.02	2.38	1.60	1.80	1.24	1.13	1.09
24	1.82	1.78	1.84	1.78	1.89	2.59	1.91	1.46	1.51	1.20	1.19	1.05
25	2.87	1.77	1.80	1.84	1.85	2.36	1.71	2.07	1.41	1.42	1.12	1.02
26	2.11	1.75	1.78	1.92	1.81	2.21	1.62	3.76	1.35	1.80	1.09	1.05
27	2.00	1.74	1.80	2.13	1.78	2.10	1.56	2.77	1.31	1.77	1.11	1.11
28	5.70	1.73	2.36	2.54	1.76	2.02	1.54	2.84	1.33	1.45	1.08	1.08
29	10.77	1.71	2.62	2.21	---	1.95	1.52	2.64	1.36	1.92	1.06	1.02
30	12.61	1.71	2.58	2.03	---	1.89	1.48	2.76	1.31	2.28	1.05	1.03
31	15.57	---	2.40	1.93	---	1.84	---	3.51	---	1.87	1.03	---
MAX	15.57	14.69	4.31	3.57	8.87	8.34	2.38	3.76	4.78	2.28	1.77	1.54
MIN	1.09	1.71	1.62	1.78	1.76	1.62	1.48	1.34	1.31	1.15	1.03	.98

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE 1/4 NW 1/4 sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft above National Geodetic Vertical Datum of 1929. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft upstream at same datum.

REMARKS.--Estimated daily discharges: Dec. 4-8, Mar. 9-12, and Apr. 4-11. Records good, except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--43 years, 102 ft³/s, 17.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,810 ft³/s Apr. 7, 1983, gage height, 20.80 ft (observed); minimum discharge, 1.8 ft³/s Nov. 2-5, 1963; minimum gage height, 2.78 ft Oct. 14, 15, 16, 17, 18, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	2330	*3200	*14.79	No other peak greater than base discharge.			

Minimum discharge, 7.4 ft³/s Sept. 30, minimum gage height, 3.00 ft Aug. 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	852	17	389	24	21	24	18	28	15	11	8.9
2	26	255	16	129	23	21	23	18	20	15	12	8.4
3	20	130	16	73	24	23	23	17	31	16	16	9.6
4	17	83	15	53	244	83	22	17	40	12	9.8	102
5	15	62	15	44	709	38	22	17	20	11	9.4	36
6	14	50	14	38	395	27	21	17	16	12	10	16
7	13	43	14	51	136	23	21	17	14	34	10	52
8	12	37	13	80	80	21	20	16	14	37	9.7	23
9	11	33	13	59	59	20	20	16	15	15	9.5	12
10	11	31	12	79	51	19	19	16	15	12	10	11
11	10	28	13	117	121	18	19	51	21	11	18	9.4
12	11	27	103	80	67	76	30	55	16	11	11	9.0
13	19	26	680	57	49	1090	39	24	14	11	9.5	9.0
14	21	24	266	45	44	614	32	18	13	9.5	9.5	9.2
15	19	23	114	38	41	184	25	17	12	9.5	10	9.4
16	137	23	69	34	37	92	22	17	12	38	12	8.7
17	88	22	52	32	73	65	20	16	11	19	10	8.0
18	28	21	44	30	74	52	20	17	12	41	9.7	7.7
19	20	20	40	29	41	47	21	20	23	19	8.3	7.7
20	17	20	37	28	34	54	59	18	165	12	7.9	34
21	17	19	34	27	30	52	65	16	109	29	7.7	97
22	16	19	33	26	28	42	33	15	33	24	9.5	33
23	17	19	32	25	27	38	23	15	21	16	8.6	15
24	110	19	30	25	25	34	21	14	17	37	8.3	11
25	301	18	30	51	24	32	20	80	15	132	8.7	9.3
26	80	17	29	57	23	30	19	435	14	105	8.2	8.5
27	115	17	36	39	23	29	19	108	14	43	46	8.1
28	1810	17	229	31	22	27	20	50	15	20	19	7.9
29	2560	18	130	28	---	26	19	32	15	15	12	7.5
30	2990	17	74	26	---	25	18	49	14	12	10	7.4
31	2480	---	170	25	---	25	---	84	---	11	9.1	---
TOTAL	11048	1990	2390	1845	2528	2948	759	1320	779	804.0	360.4	595.7
MEAN	356	66.3	77.1	59.5	90.3	95.1	25.3	42.6	26.0	25.9	11.6	19.9
MAX	2990	852	680	389	709	1090	65	435	165	132	46	102
MIN	10	17	12	25	22	18	18	14	11	9.5	7.7	7.4
CF SM	4.48	.83	.97	.75	1.14	1.20	.32	.54	.33	.33	.15	.25
IN.	5.17	.93	1.12	.86	1.18	1.38	.36	.62	.36	.38	.17	.28
CAL YR 1985	TOTAL	37246.3	MEAN	102	MAX	2990	MIN	9.1	CF SM	1.28	IN.	17.43
WTR YR 1986	TOTAL	27367.1	MEAN	75.0	MAX	2990	MIN	7.4	CF SM	.94	IN.	12.81

07376500 NATALBANY RIVER AT BAPTIST, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.72	8.87	3.63	6.46	3.38	3.32	3.33	3.19	3.47	3.22	3.10	3.07
2	3.45	5.81	3.62	4.69	3.36	3.32	3.32	3.19	3.32	3.23	3.12	3.05
3	3.33	4.96	3.61	4.14	3.37	3.35	3.32	3.18	3.46	3.25	3.25	3.09
4	3.28	4.56	---	3.87	5.02	4.24	---	3.17	3.67	3.12	3.07	4.30
5	3.26	4.34	---	3.73	8.27	3.64	---	3.17	3.30	3.08	3.06	3.66
6	3.24	4.19	---	3.64	6.52	3.44	---	3.18	3.20	3.12	3.08	3.29
7	3.23	4.09	---	3.83	4.74	3.35	---	3.17	3.17	3.45	3.10	3.77
8	3.23	4.00	---	4.22	4.21	3.32	---	3.16	3.16	3.64	3.08	3.44
9	3.22	3.94	3.53	3.96	3.96	---	---	3.15	3.19	3.22	3.07	3.19
10	3.23	3.90	3.52	4.20	3.84	---	---	3.15	3.19	3.14	3.09	3.13
11	3.22	3.86	3.53	4.58	4.61	---	---	3.75	3.35	3.10	3.29	3.10
12	3.24	3.83	4.49	4.21	4.06	---	3.43	3.87	3.22	3.10	3.12	3.08
13	3.41	3.81	8.14	3.93	3.82	10.05	3.59	3.35	3.16	3.09	3.07	3.08
14	3.46	3.79	5.73	3.75	3.74	7.79	3.46	3.23	3.13	3.05	3.07	3.09
15	3.40	3.77	4.55	3.64	3.68	5.13	3.33	3.19	3.12	3.05	3.09	3.10
16	4.44	3.76	4.08	3.57	3.62	4.35	3.27	3.18	3.11	3.65	3.15	3.07
17	4.27	3.74	3.86	3.53	4.00	4.03	3.23	3.16	3.10	3.33	3.10	3.05
18	3.54	3.72	3.74	3.50	4.13	3.85	3.23	3.20	3.13	3.71	3.08	3.04
19	3.39	3.71	3.67	3.48	3.69	3.78	3.24	3.27	3.34	3.32	3.03	3.04
20	3.33	3.71	3.61	3.45	3.56	3.88	3.88	3.22	4.65	3.15	3.02	3.49
21	3.30	3.69	3.57	3.43	3.49	3.85	4.00	3.18	4.47	3.46	3.01	4.32
22	3.29	3.68	3.54	3.41	3.46	3.70	3.49	3.16	3.58	3.43	3.08	3.62
23	3.30	3.68	3.52	3.40	3.42	3.62	3.30	3.15	3.35	3.25	3.05	3.29
24	4.24	3.67	3.50	3.39	3.40	3.55	3.25	3.14	3.26	3.60	3.03	3.15
25	5.88	3.66	3.49	3.78	3.37	3.50	3.23	3.80	3.21	4.60	3.04	3.10
26	4.21	3.63	3.48	3.94	3.36	3.46	3.22	6.73	3.19	4.47	3.03	3.08
27	4.50	3.63	3.59	3.64	3.36	3.45	3.21	4.49	3.18	3.75	3.71	3.07
28	11.99	3.64	5.48	3.51	3.34	3.42	3.22	3.83	3.19	3.35	3.35	3.06
29	13.80	3.65	4.70	3.45	---	3.38	3.21	3.54	3.21	3.24	3.17	3.04
30	14.49	3.63	4.15	3.42	---	3.36	3.19	3.73	3.19	3.16	3.11	3.03
31	13.62	---	4.71	3.40	---	3.35	---	4.21	---	3.13	3.08	---
MAX	14.49	8.87	8.14	6.46	8.27	10.05	4.00	6.73	4.65	4.60	3.71	4.32
MIN	3.22	3.63	3.48	3.39	3.34	---	3.19	3.14	3.10	3.05	3.01	3.03

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

AVERAGE DISCHARGE.--36 years, 912 ft³/s, 21.35 in/yr.

REMARKS.--Estimated daily discharges: Aug. 7. Records good. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s Apr. 22, 1977, gage height, 21.76 ft; minimum, 188 ft³/s Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	2030	*17500	*15.92	No other peak greater than base discharge.			

Minimum discharge, 235 ft³/s Sept. 19, 20, gage height, 2.57 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2910	4310	455	1120	375	416	486	413	1870	455	334	259
2	2380	2070	490	924	358	411	476	475	1110	419	327	258
3	1200	1400	480	676	352	415	467	421	789	368	331	333
4	574	1110	445	591	924	417	457	400	721	357	329	368
5	422	917	438	529	3730	412	447	392	784	339	299	290
6	352	794	433	484	2750	401	441	389	785	323	396	266
7	320	702	428	498	1490	397	439	388	639	320	368	261
8	305	650	426	693	935	393	433	385	570	428	339	255
9	286	615	427	623	729	395	421	380	639	408	308	253
10	280	584	426	582	656	395	411	377	561	396	295	251
11	275	560	448	633	828	394	403	410	531	347	309	249
12	275	544	2950	610	724	765	462	596	445	343	338	253
13	298	529	5260	548	627	2530	753	461	452	329	461	257
14	296	519	4200	502	582	1640	754	407	423	316	449	297
15	367	509	2150	468	591	997	584	384	404	308	355	252
16	369	500	1210	440	621	733	491	375	417	306	410	243
17	473	499	938	424	587	678	444	369	478	357	370	242
18	342	494	789	416	571	601	424	495	471	486	377	240
19	296	481	691	411	548	2440	417	1010	576	411	318	238
20	282	469	632	404	526	4130	927	1620	551	338	296	240
21	274	456	585	388	505	2120	1370	1250	419	328	282	267
22	274	454	551	375	490	1110	861	653	375	369	279	314
23	321	452	528	369	473	858	635	527	362	551	279	271
24	711	448	510	373	458	740	541	474	432	567	273	259
25	633	445	480	490	450	672	504	1010	366	429	267	262
26	527	444	455	1020	440	626	477	1920	343	416	264	259
27	551	441	460	738	435	590	457	2280	330	367	265	250
28	3610	468	666	541	425	562	444	2730	333	733	297	248
29	6380	473	666	463	---	538	434	2950	752	765	318	243
30	14900	456	572	424	---	518	423	2240	673	543	267	241
31	11200	---	711	396	---	501	---	3540	---	389	259	---
TOTAL	51683	22793	29900	17153	22180	27795	16283	29721	17601	12811	10059	7919
MEAN	1667	760	965	553	792	897	543	959	587	413	324	264
MAX	14900	4310	5260	1120	3730	4130	1370	3540	1870	765	461	368
MIN	274	441	426	369	352	393	403	369	330	306	259	238
CF SM	2.87	1.31	1.66	.95	1.37	1.55	.94	1.65	1.01	.71	.56	.46
IN.	3.31	1.46	1.92	1.10	1.42	1.78	1.04	1.91	1.13	.82	.65	.51

CAL YR	1985	TOTAL	317865	MEAN	871	MAX	14900	MIN	257	CF SM	1.50	IN.	20.39
WTR YR	1986	TOTAL	265898	MEAN	728	MAX	14900	MIN	238	CF SM	1.26	IN.	17.05

MISSISSIPPI RIVER DELTA

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07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.19	8.75	3.16	4.68	3.29	3.12	3.13	2.96	5.86	3.16	2.86	2.66
2	6.55	6.16	3.24	4.31	3.26	3.10	3.11	3.11	4.56	3.07	2.84	2.66
3	4.77	5.13	3.22	3.83	3.25	3.10	3.09	2.98	3.90	2.95	2.86	2.85
4	3.55	4.58	3.14	3.64	4.22	3.11	3.07	2.93	3.75	2.92	2.85	2.95
5	3.19	4.20	3.12	3.50	8.16	3.09	3.04	2.91	3.89	2.88	2.77	2.75
6	3.01	3.95	3.11	3.39	7.04	3.06	3.03	2.90	3.89	2.84	3.02	2.68
7	2.91	3.75	3.10	3.43	5.33	3.04	3.02	2.90	3.56	2.83	---	2.67
8	2.86	3.63	3.09	3.89	4.41	3.03	3.01	2.89	3.39	3.10	2.87	2.65
9	2.79	3.54	3.09	3.74	4.02	3.03	2.98	2.88	3.56	3.05	2.79	2.64
10	2.77	3.47	3.09	3.65	3.85	3.02	2.95	2.87	3.37	3.02	2.76	2.63
11	2.75	3.41	3.14	3.78	4.17	3.02	2.93	2.95	3.29	2.90	2.80	2.63
12	2.75	3.38	7.04	3.73	3.95	3.77	3.08	3.41	3.09	2.88	2.87	2.64
13	2.83	3.34	9.75	3.59	3.71	6.78	3.78	3.08	3.11	2.85	3.18	2.65
14	2.83	3.31	8.65	3.49	3.59	5.52	3.79	2.94	3.04	2.82	3.15	2.76
15	3.05	3.29	6.24	3.41	3.60	4.36	3.38	2.89	3.00	2.79	2.91	2.64
16	3.05	3.27	4.80	3.36	3.67	3.82	3.15	2.86	3.03	2.79	3.05	2.60
17	3.31	3.27	4.27	3.32	3.58	3.69	3.04	2.85	3.18	2.92	2.95	2.59
18	2.97	3.25	3.97	3.31	3.54	3.51	2.99	3.16	3.17	3.24	2.97	2.59
19	2.83	3.23	3.77	3.30	3.49	6.31	2.97	4.30	3.42	3.05	2.82	2.58
20	2.78	3.20	3.64	3.29	3.42	8.58	4.09	5.51	3.36	2.87	2.76	2.59
21	2.75	3.17	3.53	3.26	3.37	6.19	5.03	4.80	3.05	2.85	2.72	2.68
22	2.75	3.16	3.46	3.23	3.33	4.55	4.02	3.55	2.95	2.95	2.71	2.81
23	2.90	3.16	3.41	3.22	3.29	4.02	3.51	3.24	2.91	3.39	2.71	2.70
24	3.86	3.15	3.37	3.24	3.24	3.76	3.27	3.11	3.09	3.43	2.70	2.66
25	3.69	3.14	3.31	3.51	3.22	3.60	3.18	4.28	2.93	3.10	2.68	2.67
26	3.44	3.14	3.25	4.58	3.19	3.48	3.11	5.93	2.87	3.07	2.68	2.66
27	3.49	3.13	3.27	4.08	3.18	3.39	3.07	6.45	2.84	2.95	2.68	2.63
28	7.88	3.19	3.77	3.67	3.15	3.33	3.04	7.04	2.86	3.81	2.76	2.62
29	10.78	3.20	3.77	3.49	---	3.26	3.01	7.29	3.82	3.89	2.82	2.60
30	15.12	3.17	3.56	3.41	---	3.21	2.98	6.38	3.67	3.37	2.69	2.59
31	13.88	---	3.86	3.34	---	3.17	---	7.92	---	3.00	2.66	---
MAX	15.12	8.75	9.75	4.68	8.16	8.58	5.03	7.92	5.86	3.89	3.18	2.95
MIN	2.75	3.13	3.09	3.22	3.15	3.02	2.93	2.85	2.84	2.79	2.66	2.58

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in lot 41, T.3 S., R.2 E., St. Helena meridian, East Feliciana Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1177: 1948, 1949(M). WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft above National Geodetic Vertical Datum of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--No estimated daily discharges. Records are good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--44 years, 232 ft³/s, 21.73 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s Apr. 22, 1977; maximum gage height, 23.37 ft present datum, Mar. 18, 1961; minimum discharge, 28 ft³/s Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 0.84 ft Sept. 14, 15-17, 18, 1986.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 30	2030	*9080	*12.77	No other peak greater than base discharge.			

Minimum discharge, 38 ft³/s Sept. 14, 15-17, 18, gage height, 0.84 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1410	71	423	90	68	75	80	2300	63	47	47
2	398	347	80	177	89	66	73	105	387	110	46	52
3	109	230	88	130	86	67	70	92	242	86	46	51
4	86	175	68	113	620	69	68	81	401	62	51	50
5	76	137	64	105	1420	67	66	77	257	56	48	47
6	66	119	61	100	552	65	65	75	280	55	49	44
7	63	107	60	97	238	64	64	74	158	52	107	43
8	61	98	60	117	163	62	62	74	110	53	100	44
9	61	92	59	112	130	61	59	73	176	86	60	44
10	61	88	60	109	147	60	57	73	159	61	61	43
11	60	85	61	138	238	66	58	77	110	61	54	44
12	61	82	1030	140	146	321	103	328	87	69	69	49
13	300	80	2140	112	113	1260	183	118	79	55	56	40
14	156	77	1710	102	103	568	96	90	73	52	73	39
15	446	75	342	98	96	171	73	82	69	50	228	38
16	244	76	190	96	94	130	66	77	67	50	155	38
17	118	75	150	94	89	113	63	75	136	147	92	38
18	89	78	125	93	87	102	61	80	145	63	63	40
19	76	73	111	92	85	608	61	161	84	66	54	40
20	71	71	104	91	82	994	263	152	83	54	51	41
21	71	68	98	90	79	224	637	93	129	52	50	42
22	70	67	93	89	77	142	162	82	79	90	50	43
23	72	67	90	89	76	120	114	78	96	121	49	45
24	525	67	88	89	82	110	103	81	134	70	48	50
25	347	67	85	99	73	103	96	756	75	60	47	65
26	148	67	83	475	71	96	93	482	64	133	70	53
27	236	67	85	198	70	91	90	911	59	91	107	45
28	2460	70	178	121	69	88	87	661	57	64	56	44
29	4610	73	167	105	---	84	83	315	64	63	53	43
30	6650	73	115	99	---	80	81	280	80	54	49	43
31	5030	---	205	94	---	78	---	2280	---	50	47	---
TOTAL	23981	4261	7921	4087	5265	6198	3232	8063	6240	2199	2136	1345
MEAN	774	142	256	132	188	200	108	260	208	70.9	68.9	44.8
MAX	6650	1410	2140	475	1420	1260	637	2280	2300	147	228	65
MIN	60	67	59	89	69	60	57	73	57	50	46	38
CF SM	5.34	.98	1.77	.91	1.30	1.38	.74	1.79	1.43	.49	.48	.31
IN.	6.15	1.09	2.03	1.05	1.35	1.59	.83	2.07	1.60	.56	.55	.35
CAL YR 1985	TOTAL	89576	MEAN	245	MAX	6650	MIN	45	CF SM	1.69	IN.	22.98
WTR YR 1986	TOTAL	74928	MEAN	205	MAX	6650	MIN	38	CF SM	1.41	IN.	19.22

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.40	4.72	1.19	2.73	1.25	1.17	1.27	1.18	6.14	1.05	.92	.92
2	2.67	2.54	1.25	1.80	1.24	1.16	1.25	1.36	2.57	1.38	.91	.96
3	1.72	2.11	1.32	1.53	1.22	1.16	1.23	1.27	2.02	1.22	.91	.95
4	1.57	1.85	1.17	1.42	2.69	1.18	1.21	1.18	2.69	1.04	.95	.94
5	1.49	1.64	1.13	1.35	4.84	1.17	1.20	1.15	2.19	.99	.92	.92
6	1.42	1.53	1.11	1.32	3.08	1.15	1.20	1.14	2.27	.98	.94	.89
7	1.39	1.45	1.10	1.30	2.15	1.14	1.19	1.13	1.69	.96	1.37	.88
8	1.37	1.39	1.10	1.44	1.79	1.13	1.18	1.13	1.39	.97	1.32	.89
9	1.37	1.34	1.10	1.41	1.61	1.13	1.15	1.12	1.79	1.22	1.03	.89
10	1.37	1.31	1.10	1.38	1.68	1.12	1.14	1.12	1.70	1.03	1.02	.88
11	1.36	1.29	1.11	1.58	2.15	1.17	1.15	1.16	1.39	1.03	.98	.89
12	1.37	1.27	3.92	1.59	1.69	2.08	1.44	2.41	1.23	1.09	1.09	.93
13	2.39	1.26	5.94	1.41	1.50	4.57	1.93	1.44	1.16	.98	.99	.86
14	1.94	1.23	5.28	1.34	1.42	3.04	1.44	1.25	1.13	.96	1.07	.85
15	2.79	1.22	2.47	1.31	1.38	1.84	1.27	1.19	1.10	.94	1.97	.84
16	2.28	1.23	1.87	1.29	1.37	1.62	1.22	1.15	1.08	.94	1.67	.84
17	1.77	1.22	1.65	1.28	1.33	1.52	1.19	1.14	1.51	1.59	1.26	.84
18	1.59	1.24	1.50	1.27	1.32	1.44	1.18	1.17	1.60	1.04	1.04	.86
19	1.49	1.20	1.40	1.27	1.30	3.11	1.18	1.67	1.20	1.07	.97	.86
20	1.45	1.18	1.34	1.26	1.28	4.07	2.11	1.65	1.19	.97	.95	.87
21	1.45	1.17	1.31	1.25	1.26	2.08	3.30	1.27	1.52	.96	.94	.87
22	1.44	1.16	1.27	1.24	1.24	1.69	1.71	1.19	1.17	1.22	.94	.88
23	1.46	1.16	1.25	1.24	1.23	1.57	1.43	1.16	1.29	1.44	.94	.90
24	3.10	1.16	1.23	1.24	1.28	1.51	1.34	1.18	1.54	1.10	.93	.94
25	2.66	1.16	1.21	1.31	1.21	1.46	1.30	3.57	1.14	1.02	.92	1.06
26	1.92	1.16	1.20	2.84	1.20	1.41	1.27	2.92	1.05	1.49	1.07	.96
27	2.18	1.16	1.21	1.89	1.19	1.38	1.25	3.90	1.02	1.26	1.34	.90
28	6.40	1.18	1.79	1.47	1.18	1.35	1.22	3.38	1.00	1.05	.99	.89
29	8.94	1.20	1.74	1.36	---	1.33	1.20	2.38	1.05	1.04	.97	.88
30	10.79	1.20	1.43	1.32	---	1.31	1.18	2.10	1.18	.98	.93	.88
31	9.18	---	1.78	1.28	---	1.29	---	6.10	---	.94	.92	---
MAX	10.79	4.72	5.94	2.84	4.84	4.57	3.30	6.10	6.14	1.59	1.97	1.06
MIN	1.36	1.16	1.10	1.24	1.18	1.12	1.14	1.12	1.00	.94	.91	.84

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 lot 39, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights from January 1965 to July 1972 published as White Bayou near Zachary by Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--No estimated daily discharge. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--14 years, 77.2 ft³/s, 23.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,730 ft³/s Apr. 6, 1983, gage height, 23.24 ft; minimum daily, no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 28	1730	*2580	*19.44	No other peak greater than base discharge.			

Minimum discharge, 0.10 ft³/s May 17; minimum gage height, 2.83 ft Sept. 17-24, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	353	71	9.2	98	2.1	2.1	.66	.49	177	2.2	.77	.58
2	37	33	7.4	28	2.3	2.0	.58	.88	18	34	.69	.62
3	11	29	4.1	14	3.0	1.9	.48	.89	35	17	.85	.78
4	5.5	17	2.5	8.5	512	3.6	.40	1.1	202	8.8	1.2	.86
5	3.5	9.4	2.3	6.8	856	3.0	.35	1.7	44	5.2	1.0	1.4
6	2.1	6.7	1.9	5.2	218	2.3	.29	.98	23	2.9	1.1	1.5
7	1.6	5.9	1.8	11	52	1.9	.31	.90	8.9	1.7	1.2	1.5
8	1.2	4.0	2.0	8.4	23	1.9	.49	.85	6.1	1.2	1.1	1.4
9	.93	3.1	1.8	5.9	13	1.8	.76	1.0	21	.89	1.5	1.5
10	.73	2.3	1.9	34	85	1.6	.85	1.4	27	2.6	3.6	1.7
11	1.1	1.9	3.2	82	156	1.5	.90	11	14	5.8	3.5	2.1
12	29	1.8	519	30	31	274	20	21	9.8	5.5	2.0	2.5
13	151	1.7	942	13	14	491	24	2.3	4.5	2.4	1.7	1.8
14	27	1.6	266	7.7	9.1	53	7.8	.88	2.9	1.5	1.6	.60
15	97	2.8	32	5.7	7.3	19	2.9	.42	1.9	.96	8.1	.55
16	80	3.5	16	4.1	5.7	10	1.2	.37	1.7	1.9	16	.55
17	28	4.0	10	3.4	5.3	6.3	.70	.15	9.0	5.4	5.5	.52
18	13	4.0	8.1	3.2	4.5	4.1	.81	5.9	13	2.6	3.0	.51
19	7.3	4.1	6.0	3.0	4.1	247	1.2	2.6	6.3	1.2	1.5	.51
20	4.6	4.3	4.5	2.5	3.9	141	147	1.4	6.1	6.6	1.2	.51
21	2.9	4.0	3.6	2.2	3.6	23	77	.41	4.9	8.3	.93	.51
22	3.9	4.3	3.0	1.9	3.2	10	11	.18	7.2	17	.74	.51
23	8.8	4.4	2.3	1.6	3.1	5.7	4.1	.40	5.0	6.6	.68	.51
24	389	3.9	2.0	1.5	3.1	4.0	2.0	3.8	6.3	6.5	.65	.52
25	351	4.2	1.6	1.7	2.5	2.9	1.5	153	5.2	5.3	.61	1.2
26	57	4.8	1.2	30	2.5	2.3	.86	161	3.2	82	.59	.75
27	375	4.8	12	14	2.9	1.8	.55	113	1.8	16	.74	.53
28	2150	6.8	136	6.2	2.8	1.5	.37	295	1.4	5.5	.60	3.7
29	1990	5.7	45	4.2	---	1.1	.40	25	3.8	3.0	.59	1.3
30	724	5.0	17	2.9	---	.92	.30	10	3.4	1.8	.59	.59
31	134	---	139	2.5	---	.84	---	256	---	1.1	.56	---
TOTAL	7040.16	259.0	2204.4	443.1	2031.0	1323.06	309.76	1074.00	673.4	263.45	64.39	32.11
MEAN	227	8.63	71.1	14.3	72.5	42.7	10.3	34.6	22.4	8.50	2.08	1.07
MAX	2150	71	942	98	856	491	147	295	202	82	16	3.7
MIN	.73	1.6	1.2	1.5	2.1	.84	.29	.15	1.4	.89	.56	.51
CF SM	5.04	.19	1.58	.32	1.61	.95	.23	.77	.50	.19	.05	.02
IN.	5.82	.21	1.82	.37	1.68	1.09	.26	.89	.56	.22	.05	.03
CAL YR 1985	TOTAL	23177.37	MEAN	63.5	MAX	2150	MIN	.00	CF SM	1.41	IN.	19.16
WTR YR 1986	TOTAL	15717.83	MEAN	43.1	MAX	2150	MIN	.15	CF SM	.96	IN.	12.99

MISSISSIPPI RIVER DELTA

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07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.57	5.23	3.64	5.63	3.25	3.30	3.11	3.06	6.35	3.12	2.89	2.85
2	4.49	4.43	3.57	4.30	3.27	3.29	3.10	3.14	3.86	4.19	2.87	2.86
3	3.75	4.32	3.37	3.86	3.34	3.28	3.07	3.14	4.13	3.82	2.91	2.89
4	3.50	3.95	3.23	3.66	8.26	3.42	3.06	3.17	7.05	3.53	2.96	2.91
5	3.35	3.67	3.21	3.58	12.36	3.37	3.05	3.26	4.59	3.35	2.95	3.00
6	3.22	3.54	3.15	3.49	7.14	3.33	3.04	3.15	4.02	3.18	2.96	3.02
7	3.13	3.50	3.13	3.75	4.84	3.28	3.04	3.13	3.54	3.05	2.97	3.02
8	3.06	3.37	3.17	3.65	4.14	3.29	3.09	3.12	3.40	2.97	2.96	3.00
9	3.00	3.29	3.14	3.53	3.83	3.27	3.15	3.14	3.83	2.92	3.02	3.01
10	2.95	3.22	3.16	4.38	5.17	3.24	3.17	3.19	4.13	3.04	3.21	3.05
11	3.02	3.16	3.28	5.40	6.42	3.23	3.19	3.59	3.72	3.38	3.22	3.10
12	3.70	3.14	9.58	4.33	4.36	6.71	3.90	4.01	3.56	3.36	3.09	3.15
13	6.36	3.12	12.90	3.84	3.87	9.78	4.18	3.30	3.30	3.13	3.05	3.06
14	4.24	3.11	7.39	3.62	3.69	4.84	3.63	3.09	3.18	3.01	3.04	2.85
15	5.27	3.25	4.39	3.52	3.61	4.02	3.40	2.99	3.08	2.93	3.42	2.84
16	5.27	3.32	3.95	3.43	3.53	3.73	3.24	2.97	3.05	2.99	3.79	2.84
17	4.31	3.36	3.72	3.37	3.51	3.57	3.15	2.91	3.50	3.34	3.37	2.83
18	3.80	3.36	3.61	3.36	3.47	3.46	3.18	3.39	3.69	3.15	3.19	2.83
19	3.57	3.37	3.50	3.34	3.44	7.38	3.24	3.31	3.41	2.96	3.01	2.83
20	3.41	3.38	3.41	3.30	3.43	6.09	6.18	3.16	3.37	3.18	2.96	2.83
21	3.28	3.37	3.34	3.27	3.40	4.14	5.18	2.97	3.33	3.47	2.92	2.83
22	3.31	3.39	3.30	3.23	3.38	3.72	3.76	2.89	3.38	3.79	2.88	2.83
23	3.63	3.39	3.24	3.19	3.37	3.54	3.47	2.96	3.32	3.42	2.87	2.83
24	8.93	3.36	3.21	3.17	3.37	3.46	3.33	3.20	3.39	3.39	2.86	2.83
25	8.60	3.38	3.15	3.20	3.33	3.39	3.27	6.16	3.35	3.34	2.85	2.97
26	4.88	3.43	3.10	4.30	3.33	3.34	3.16	6.44	3.20	5.33	2.85	2.88
27	8.24	3.43	3.50	3.85	3.36	3.29	3.09	5.55	3.07	3.79	2.88	2.84
28	17.93	3.54	6.24	3.55	3.35	3.26	3.04	7.70	3.00	3.36	2.85	3.23
29	17.58	3.48	4.67	3.43	---	3.20	3.04	4.08	3.19	3.19	2.85	2.98
30	11.40	3.44	3.96	3.33	---	3.17	3.02	3.59	3.22	3.05	2.85	2.85
31	6.19	---	5.92	3.30	---	3.15	---	7.18	---	2.95	2.84	---
MAX	17.93	5.23	12.90	5.63	12.36	9.78	6.18	7.70	7.05	5.33	3.79	3.23
MIN	2.95	3.11	3.10	3.17	3.25	3.15	3.02	2.89	3.00	2.92	2.84	2.83

07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between lots 24 and 44, T.6 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--March 1944 to current year.

REVISED RECORDS.--WSP 1920: Drainage area. WRD LA 85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 23.85 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft higher. Prior to Oct. 1, 1978, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 21 to Dec. 4. Records good, except those for estimated daily discharge, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--42 years, 466 ft³/s, 22.28 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft³/s Apr. 7, 1983; maximum gage height, 30.64 ft May 19, 1953, present datum (prior to dredging August 1961); minimum discharge, 28 ft³/s Aug. 1, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	1130	*11600	*20.81	No other peak greater than base discharge.			

Minimum discharge, 63 ft³/s Sept. 2, gage height, 0.40 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	833	4720	106	588	117	104	102	79	2830	105	76	70
2	690	1250	123	352	113	103	100	80	1000	97	79	69
3	188	474	135	220	110	103	98	98	415	142	78	74
4	122	346	93	178	2270	153	97	86	945	106	72	73
5	101	268	86	154	4840	116	96	79	374	85	74	73
6	91	223	82	141	1480	105	95	75	306	81	72	70
7	85	195	81	171	512	101	92	74	283	79	85	69
8	80	174	82	167	302	97	90	73	191	80	125	68
9	77	159	81	175	220	96	88	73	174	86	101	69
10	76	149	80	299	240	95	85	72	260	97	167	69
11	75	141	89	351	436	93	84	283	214	86	205	69
12	155	136	1120	251	300	511	116	466	265	100	103	73
13	471	131	4140	190	199	2000	195	300	130	87	95	75
14	375	127	2660	156	176	965	187	124	108	79	84	69
15	344	123	831	139	166	326	115	104	100	77	206	71
16	746	124	328	129	150	209	97	98	94	76	239	71
17	213	121	243	123	143	168	83	93	406	100	155	69
18	149	119	203	121	135	146	80	122	667	129	129	68
19	132	118	178	118	131	346	80	139	172	96	111	69
20	101	115	163	117	125	1040	311	163	282	91	91	71
21	90	106	151	113	121	516	571	121	528	142	87	77
22	93	103	143	108	117	223	350	101	186	99	82	73
23	114	102	137	107	114	170	153	94	213	150	81	72
24	460	101	133	106	113	147	117	89	173	124	80	95
25	683	100	126	114	112	134	103	1130	132	111	72	116
26	293	99	122	193	107	124	96	2280	97	101	70	108
27	738	96	177	376	105	117	90	842	85	158	116	89
28	7540	103	477	189	104	112	87	1440	87	106	97	84
29	9480	110	346	148	---	107	85	549	97	93	78	76
30	9230	110	220	130	---	105	81	258	100	83	73	76
31	9960	---	242	122	---	104	---	1480	---	77	71	---
TOTAL	43785	10243	13178	5846	13058	8736	4024	11065	10914	3123	3254	2275
MEAN	1412	341	425	189	466	282	134	357	364	101	105	75.8
MAX	9960	4720	4140	588	4840	2000	571	2280	2830	158	239	116
MIN	75	96	80	106	104	93	80	72	85	76	70	68
CF SM	4.97	1.20	1.50	.67	1.64	.99	.47	1.26	1.28	.36	.37	.27
IN.	5.74	1.34	1.73	.77	1.71	1.14	.53	1.45	1.43	.41	.43	.30
CAL YR 1985	TOTAL	161117	MEAN	41	MAX	9960	MIN	50	CF SM	1.55	IN.	21.10
WTR YR 1986	TOTAL	129501	MEAN	355	MAX	9960	MIN	68	CF SM	1.25	IN.	16.96

07378000 COMITE RIVER NEAR COMITE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.61	12.42	---	3.66	.91	.79	.77	.56	9.15	.80	.53	.47
2	4.25	5.75	---	2.55	.87	.78	.76	.57	4.83	.73	.56	.46
3	1.95	3.46	---	1.75	.85	.78	.74	.74	2.65	1.13	.55	.51
4	1.43	2.84	---	1.43	6.16	1.22	.73	.64	4.90	.81	.49	.50
5	1.24	2.40	1.00	1.24	12.21	.90	.72	.56	2.67	.62	.51	.50
6	1.14	2.12	.96	1.12	6.31	.80	.71	.52	2.30	.58	.49	.47
7	1.06	1.93	.95	1.37	3.35	.77	.69	.51	2.15	.56	.62	.46
8	1.01	1.77	.96	1.34	2.28	.73	.67	.50	1.52	.57	.98	.45
9	.97	1.66	.95	1.41	1.74	.72	.65	.50	1.39	.63	.77	.46
10	.96	1.57	.94	2.23	1.85	.71	.63	.49	2.01	.73	1.25	.46
11	.95	1.51	1.02	2.56	3.02	.70	.61	1.80	1.69	.63	1.58	.46
12	1.47	1.46	4.65	1.95	2.26	2.80	.90	3.10	2.01	.75	.78	.50
13	3.42	1.41	11.38	1.53	1.59	7.51	1.56	2.18	1.03	.64	.71	.52
14	3.03	1.38	8.77	1.25	1.41	4.99	1.50	.98	.82	.56	.61	.46
15	2.74	1.34	4.45	1.11	1.33	2.41	.89	.79	.76	.54	1.46	.48
16	4.38	1.35	2.43	1.02	1.20	1.67	.73	.74	.70	.53	1.85	.48
17	2.13	1.33	1.90	.97	1.14	1.35	.60	.69	2.12	.75	1.24	.45
18	1.67	1.30	1.62	.95	1.07	1.17	.57	.94	3.84	1.02	1.02	.45
19	1.52	1.29	1.44	.92	1.04	2.36	.57	1.10	1.37	.72	.85	.46
20	1.23	1.27	1.31	.91	.99	5.28	2.25	1.30	2.10	.68	.68	.48
21	1.13	---	1.21	.87	.95	3.30	3.62	.94	3.36	1.12	.64	.54
22	1.16	---	1.14	.83	.91	1.76	2.49	.77	1.48	.75	.59	.50
23	1.36	---	1.09	.82	.88	1.37	1.22	.71	1.69	1.18	.57	.49
24	3.39	---	1.05	.81	.87	1.17	.91	.66	1.38	.97	.57	.71
25	4.27	---	1.00	.88	.87	1.06	.79	4.53	1.04	.86	.49	.90
26	2.61	---	.96	1.46	.82	.97	.72	8.02	.73	.77	.47	.82
27	4.08	---	1.33	2.66	.80	.91	.67	4.58	.62	1.26	.90	.65
28	16.28	---	3.21	1.52	.79	.87	.65	6.28	.64	.81	.73	.61
29	19.34	---	2.53	1.19	---	.82	.62	3.51	.73	.69	.55	.53
30	19.08	---	1.75	1.03	---	.80	.58	2.00	.75	.60	.50	.53
31	19.78	---	1.84	.96	---	.79	---	5.84	---	.54	.48	---
MAX	19.78	12.42	11.38	3.66	12.21	7.51	3.62	8.02	9.15	1.26	1.85	.90
MIN	.95	---	---	.81	.79	.70	.57	.49	.62	.53	.47	.45

07378050 COMITE RIVER AT GREENWELL SPRINGS ROAD, NEAR BATON ROUGE, LA

LOCATION.--Lat 30°30'20", long 90°02'24", on line between secs.51 and 52, T.6 S., R.2 E., East Baton Rouge Parish, Hydrologic Unit 08070202, at bridge on Greenwell Springs Road, 2.9 mi downstream from gaging station Comite River near Comite (station 07378000), 5.0 mi northeast of Baton Rouge city limits, and 9.4 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Annual maximum elevation, water years 1962-81. October 1981 to current year (elevations only).

GAGE.--Water-stage recorder. Datum is National Geodetic Vertical Datum of 1929. Nonrecording gage at same site and datum.

REMARKS.--No elevations recorded below lowest recordable elevation of 20.06 ft, Oct. 4-12, 20-23, Apr. 25 to May 11, May 14-24, June 13-17, June 25 to July 2, 4-20, 22-26, July 28 to Aug. 10, 12-15, and Aug. 17 to Sept. 30.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 49.42 ft Apr. 7, 1983, from floodmark; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 39.45 ft Oct. 31; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.93	---	---	21.60	---			---	28.79	---	---	
2	23.38	29.08	---	21.62	---			---	25.41	---	---	
3	20.60	24.33	---	20.61	---			---	20.82	20.07	---	
4	---	22.03	---	20.22	---			---	24.64	---	---	
5	---	21.38	---	---	33.98			---	21.65	---	---	
6	---	21.01	---	---	28.47			---	21.24	---	---	
7	---	20.78	---	---	25.37			---	21.03	---	---	
8	---	20.60	---	20.19	---			---	20.46	---	---	
9	---	20.46	---	---	---			---	20.20	---	---	
10	---	20.35	---	20.69	---			---	21.15	---	---	
11	---	20.26	---	21.59	---			---	20.49	---	20.87	
12	---	20.18	21.33	20.75	---			22.37	21.21	---	---	
13	23.39	---	31.52	20.33	---			21.27	---	---	---	
14	22.41	---	29.48	---	---			---	---	---	---	
15	20.77	---	25.59	---	---			---	---	---	---	
16	24.25	---	21.79	---	---			---	---	---	20.83	
17	20.85	---	20.92	---	---			---	---	---	---	
18	20.08	---	20.53	---	---			---	23.75	---	---	
19	20.18	---	20.30	---	---			---	20.26	---	---	
20	---	---	20.16	---	---			---	21.03	---	---	
21	---	---	---	---	---			---	23.34	20.41	---	
22	---	---	---	---	---			---	20.40	---	---	
23	---	---	---	---	---			---	20.96	---	---	
24	21.52	---	---	---	---			---	20.21	---	---	
25	22.63	---	---	---	---			20.51	---	---	---	
26	21.50	---	---	---	---			28.82	---	---	---	
27	20.73	---	---	21.93	---			23.04	---	20.07	---	
28	33.55	---	23.00	20.17	---			26.32	---	---	---	
29	38.14	---	21.63	---	---			22.86	---	---	---	
30	38.15	---	20.65	---	---			20.86	---	---	---	
31	38.88	---	20.21	---	---			21.73	---	---	---	
MAX	38.88	29.08	31.52	21.93	33.98			28.82	28.79	20.41	20.87	
MIN	---	---	---	---	---			---	---	---	---	

07378083 BEAVER BAYOU AT HOOPER ROAD, NEAR BATON ROUGE, LA

LOCATION.--Lat 30°33'39", long 91°01'15", in sec.4, T.6 S., R.2 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070207, near center of box culvert on downstream side of State Highway 408, 1,200 ft east of Roundsville Road, and 8.6 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 1982 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft above National Geodetic Vertical Datum of 1929 (levels by East Baton Rouge Parish, Department of Public Works).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.98 ft Apr. 6, 1983; minimum, 2.82 ft June 6, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 11.45 ft Feb. 5; minimum, 2.85 ft Aug. 2, 4, 5, but may have been less during period of no gage-height record, Jan. 28 to June 4.

DISCHARGE MEASUREMENT MADE DURING YEAR

Date

Discharge
(ft³/s)

Oct. 28, 1985

553

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	3.85	3.18	3.47	---	---	---	---	---	3.10	2.86	2.86
2	3.14	3.48	3.13	3.24	---	---	---	---	---	3.32	2.87	2.87
3	2.98	3.27	3.06	3.15	---	---	---	---	---	3.06	2.87	2.91
4	2.95	3.14	3.03	3.15	---	---	---	---	---	2.98	2.86	2.91
5	2.91	3.11	3.04	3.12	---	---	---	---	4.60	2.94	2.99	2.87
6	2.90	3.15	3.03	3.08	---	---	---	---	4.55	2.92	3.04	2.86
7	2.88	3.28	3.04	3.53	---	---	---	---	3.50	2.92	2.90	2.86
8	2.88	3.10	3.02	3.41	---	---	---	---	4.91	2.92	2.87	2.87
9	2.90	3.06	3.02	3.37	---	---	---	---	5.61	2.90	2.86	2.87
10	2.90	3.05	3.04	4.53	---	---	---	---	4.14	2.90	2.92	2.87
11	2.92	3.05	3.34	4.36	---	---	---	---	3.91	2.91	3.13	2.86
12	3.21	3.05	5.77	3.61	---	---	---	---	4.42	2.90	3.13	2.87
13	5.28	3.05	6.23	3.36	---	---	---	---	3.55	2.89	2.95	2.91
14	4.82	3.04	4.01	3.20	---	---	---	---	3.20	2.88	2.90	2.90
15	3.58	3.06	3.50	3.15	---	---	---	---	3.07	2.87	2.91	2.89
16	3.61	3.11	3.26	3.12	---	---	---	---	3.01	2.89	2.91	2.90
17	3.45	3.13	3.19	3.11	---	---	---	---	3.33	2.91	2.89	2.90
18	3.20	3.05	3.18	3.12	---	---	---	---	3.99	2.88	3.06	2.90
19	3.11	3.04	3.15	3.11	---	---	---	---	3.98	2.89	2.97	2.92
20	3.05	3.02	3.12	3.09	---	---	---	---	6.91	2.87	2.89	2.92
21	3.02	3.13	3.11	3.09	---	---	---	---	6.26	2.87	2.88	2.99
22	3.04	3.09	3.11	3.09	---	---	---	---	3.86	2.87	2.88	2.98
23	3.18	3.08	3.09	3.08	---	---	---	---	3.86	2.86	2.88	3.03
24	3.12	3.06	3.07	3.08	---	---	---	---	3.40	2.87	2.87	3.22
25	3.28	3.04	3.07	3.11	---	---	---	---	3.15	3.27	2.87	3.04
26	3.13	3.03	3.05	3.11	---	---	---	---	3.05	3.27	2.87	3.01
27	4.87	3.03	3.48	3.07	---	---	---	---	3.43	2.94	2.87	3.00
28	10.66	3.11	4.60	---	---	---	---	---	3.71	2.90	2.88	2.95
29	8.54	3.05	3.66	---	---	---	---	---	3.30	2.89	2.87	2.92
30	5.90	3.04	3.40	---	---	---	---	---	3.20	2.87	2.86	2.92
31	4.56	---	3.36	---	---	---	---	---	---	2.87	2.86	---
MAX	10.66	3.85	6.23	4.53	---	---	---	---	6.91	3.32	3.13	3.22
MIN	2.88	3.02	3.02	---	---	---	---	---	---	2.86	2.86	2.86

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in lot 2, T.7 S., R.2 E., St. Helena meridian, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--No estimated daily discharge. Records good. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 2,010 ft³/s, 21.32 in./yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s Apr. 8, 1983, elevation, 41.50 ft from flood-mark, present datum; minimum daily discharge, 271 ft³/s Oct. 17, 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 12,000 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Elevation (ft)	Date	Time	Discharge (ft ³ /s)	Elevation (ft)
Oct. 31	2200	*43900	*32.19	Feb. 6	0630	14300	26.02

Minimum discharge, 385 ft³/s Sept. 19, 20, elevation, 10.31 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2230	37900	711	1980	714	627	765	548	7280	951	619	449
2	4070	19200	717	1930	691	617	741	539	5330	761	559	449
3	3070	6980	698	1440	676	614	718	575	2180	753	544	487
4	1930	3090	706	1120	3150	854	703	543	3390	657	526	497
5	1150	2090	666	995	12100	676	689	512	1980	593	667	540
6	898	1720	648	901	13600	622	677	495	2050	567	671	476
7	774	1490	639	927	8790	600	664	485	1520	544	563	472
8	688	1320	636	939	4380	587	652	478	1310	630	679	444
9	637	1190	631	1020	2410	579	643	471	2070	742	638	428
10	605	1100	623	1300	2010	576	620	460	1700	654	602	420
11	583	1040	630	1690	2600	573	611	693	1260	607	1030	416
12	620	989	1500	1370	2170	2070	779	2020	1500	577	724	411
13	1960	948	7270	1110	1500	6220	936	1240	979	562	601	432
14	1570	914	9600	953	1280	6490	1130	698	817	529	706	413
15	1020	887	7270	863	1190	3360	1030	541	742	515	1260	438
16	2070	875	3250	812	1080	1870	812	490	719	566	1240	423
17	1340	878	1830	776	1060	1380	690	461	1440	516	835	397
18	1100	836	1440	758	992	1170	635	493	2760	646	746	391
19	960	814	1220	754	937	1320	617	729	1050	672	699	389
20	730	787	1070	726	892	4450	1340	996	2260	619	653	391
21	649	764	987	707	848	5640	1780	1640	3120	683	603	424
22	642	747	924	689	803	3160	1200	1320	1440	642	561	429
23	790	732	879	673	766	1770	2270	774	1330	662	527	453
24	1370	727	838	657	739	1390	934	607	903	838	520	462
25	2480	718	803	733	710	1200	766	1260	799	1130	488	565
26	1750	703	768	811	684	1080	685	5210	670	1140	473	502
27	2270	695	807	1460	674	993	642	4210	621	790	515	467
28	9100	703	1840	1090	650	927	628	4940	746	664	563	435
29	21300	708	1440	897	---	876	599	4280	957	854	488	409
30	30800	700	1190	800	---	833	561	3700	1000	931	498	416
31	40700	---	1030	749	---	797	---	4540	---	773	466	---
TOTAL	139856	92245	53261	31630	68096	53921	25517	45948	53923	21768	20264	13325
MEAN	4511	3075	1718	1020	2432	1739	851	1482	1797	702	654	444
MAX	40700	37900	9600	1980	13600	6490	2200	5210	7280	1140	1260	565
MIN	583	695	623	657	650	573	561	460	621	515	466	389
CFSM	3.52	2.40	1.34	.80	1.90	1.36	.66	1.16	1.40	.55	.51	.35
IN.	4.06	2.68	1.55	.92	1.98	1.57	.74	1.34	1.57	.63	.59	.39
CAL YR 1985	TOTAL	817184	MEAN	2239	MAX	40700	MIN	483	CFSM	1.75	IN.	23.75
WTR YR 1986	TOTAL	619754	MEAN	1698	MAX	40700	MIN	389	CFSM	1.33	IN.	18.01

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued
 ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.25	30.96	11.75	14.86	11.76	11.60	11.72	11.15	21.99	12.11	11.09	10.50
2	17.41	26.95	11.77	14.76	11.69	11.56	11.66	11.13	19.47	11.67	10.92	10.50
3	15.78	22.00	11.71	13.66	11.64	11.55	11.60	11.24	14.65	11.64	10.87	10.61
4	13.75	17.10	11.74	12.93	15.82	12.12	11.56	11.15	16.65	11.40	10.81	10.64
5	12.21	15.09	11.61	12.59	25.29	11.70	11.51	11.06	14.29	11.22	11.14	10.77
6	11.66	14.30	11.56	12.31	25.74	11.55	11.47	11.01	14.43	11.14	11.16	10.58
7	11.37	13.78	11.53	12.39	23.21	11.49	11.44	10.99	13.44	11.07	10.89	10.57
8	11.17	13.39	11.52	12.43	17.93	11.45	11.40	10.97	13.02	11.30	11.19	10.48
9	11.04	13.10	11.50	12.64	14.86	11.41	11.36	10.95	14.47	11.57	11.08	10.44
10	10.95	12.88	11.48	13.35	14.26	11.40	11.30	10.92	13.79	11.35	10.97	10.41
11	10.89	12.71	11.50	14.23	15.39	11.38	11.27	11.48	12.93	11.22	11.98	10.40
12	10.98	12.57	13.64	13.52	14.75	14.11	11.67	14.29	13.40	11.13	11.27	10.39
13	13.80	12.45	22.35	12.90	13.62	20.72	12.05	12.79	12.30	11.08	10.96	10.45
14	13.08	12.35	24.07	12.47	13.18	21.05	12.47	11.59	11.93	10.97	11.20	10.39
15	11.93	12.28	22.38	12.20	12.99	16.60	12.27	11.17	11.75	10.92	12.39	10.47
16	14.03	12.24	17.36	12.05	12.73	14.12	11.78	11.02	11.69	11.06	12.38	10.42
17	12.60	12.25	14.53	11.94	12.68	13.16	11.49	10.95	13.04	10.91	11.52	10.35
18	12.10	12.13	13.66	11.89	12.53	12.72	11.35	11.04	15.53	11.27	11.31	10.33
19	11.80	12.06	13.15	11.88	12.41	13.02	11.31	11.68	12.40	11.33	11.20	10.32
20	11.27	11.98	12.81	11.80	12.30	18.19	12.89	12.27	14.73	11.18	11.08	10.33
21	11.07	11.91	12.56	11.74	12.19	19.95	13.77	13.63	16.17	11.33	10.95	10.42
22	11.05	11.86	12.38	11.68	12.08	16.24	14.56	12.98	13.20	11.23	10.83	10.44
23	11.41	11.81	12.25	11.63	11.99	13.89	12.80	11.79	12.97	11.26	10.73	10.51
24	12.64	11.80	12.13	11.58	11.91	13.13	12.08	11.39	12.05	11.68	10.71	10.54
25	14.77	11.77	12.03	11.81	11.84	12.73	11.70	12.69	11.81	12.30	10.62	10.84
26	13.41	11.72	11.92	12.05	11.77	12.47	11.51	19.35	11.49	12.31	10.57	10.66
27	14.30	11.70	12.03	13.73	11.73	12.28	11.40	17.90	11.35	11.55	10.69	10.55
28	22.76	11.72	14.55	12.85	11.67	12.12	11.36	18.97	11.66	11.24	10.83	10.46
29	27.80	11.74	13.66	12.30	---	12.00	11.29	18.00	12.12	11.68	10.62	10.38
30	29.65	11.71	13.10	12.02	---	11.89	11.19	17.13	12.23	11.85	10.64	10.40
31	31.59	---	12.68	11.86	---	11.80	---	18.37	---	11.48	10.55	---
MAX	31.59	30.96	24.07	14.86	25.74	21.05	14.56	19.35	21.99	12.31	12.39	10.84
MIN	10.89	11.70	11.48	11.58	11.64	11.38	11.19	10.92	11.35	10.91	10.55	10.32

07380108 BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT, LA

LOCATION.--Lat 30°20'43", long 90°53'35", in lot 18, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, on right bank 100 ft upstream from mouth, 2.6 mi northwest of Port Vincent, and 5.0 mi downstream from Clay Cut Bayou.

DRAINAGE AREA.--153 mi².

PERIOD OF RECORD.--Annual maximum elevation, water years 1972-74, October 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1974 at datum 1.00 ft higher.

REMARKS.--No elevations recorded below 1.32 ft. Elevations affected by tide below about 3.0 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 18.85 ft Apr. 8, 1983, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 11.56 ft Nov. 1, minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	11.24	1.88	1.35	1.34	1.37	1.35	1.57	2.39	1.36	1.34	2.23
2	2.40	10.93	1.48	1.47	1.34	1.37	1.35	1.50	2.77	1.36	1.33	2.23
3	2.27	8.63	1.35	1.40	1.33	1.37	1.35	1.43	2.21	1.36	1.35	2.23
4	2.08	6.12	1.35	1.36	1.33	1.37	1.73	1.60	2.20	1.36	1.35	1.96
5	1.65	4.14	1.35	1.35	3.97	1.37	2.03	1.84	2.41	1.35	1.34	1.63
6	1.34	3.23	1.35	1.35	4.77	1.37	1.99	1.88	2.39	1.35	1.34	1.42
7	1.34	2.51	1.34	1.35	4.99	1.37	1.41	1.75	2.11	1.35	1.34	1.61
8	1.60	2.02	1.38	1.75	3.90	1.37	1.35	1.85	1.90	1.37	1.34	1.40
9	2.11	2.18	1.48	1.86	2.04	1.37	1.35	1.77	2.00	1.54	1.33	1.40
10	2.19	2.10	1.63	1.91	1.71	1.37	1.35	1.47	2.01	1.51	1.35	1.78
11	1.90	2.20	1.92	1.71	1.38	1.35	1.35	1.72	1.71	1.37	1.34	1.87
12	1.66	2.10	1.93	1.36	1.36	1.47	1.35	2.06	1.37	1.36	1.34	1.73
13	2.16	2.01	3.14	1.35	---	2.75	1.34	1.85	1.36	1.36	1.35	1.57
14	2.03	1.93	3.33	1.35	---	3.20	1.54	1.79	1.36	1.36	1.37	1.76
15	1.98	1.90	3.20	1.35	---	2.82	1.40	2.10	1.36	1.35	1.36	1.76
16	1.99	1.75	2.47	1.35	---	1.86	1.36	2.32	1.36	1.35	1.36	1.74
17	2.09	1.68	1.36	1.34	---	1.37	1.35	2.40	1.36	1.35	1.35	1.83
18	2.12	1.74	1.35	1.41	---	1.70	1.35	2.41	1.92	1.34	1.34	1.97
19	2.59	1.90	1.35	1.35	1.34	1.87	1.41	2.14	1.37	1.34	1.34	2.17
20	2.57	1.85	1.34	1.35	1.37	1.84	1.94	1.80	1.37	1.34	1.36	2.37
21	2.42	1.43	1.34	1.35	1.37	1.98	1.36	1.88	1.69	1.34	1.36	2.36
22	2.37	1.81	1.34	1.35	1.37	1.37	1.36	1.83	1.42	1.34	1.53	2.07
23	2.38	1.56	1.34	1.34	1.37	1.36	1.35	1.88	1.67	1.34	1.52	1.93
24	2.51	1.76	1.34	1.34	1.37	1.36	1.36	1.86	1.78	1.33	1.39	1.83
25	2.74	1.88	1.33	1.34	1.37	1.36	1.36	1.83	1.99	1.33	1.38	1.85
26	2.90	1.91	1.33	1.35	1.37	1.36	1.36	2.22	2.05	1.46	1.38	1.82
27	3.38	1.84	1.33	1.35	1.37	1.36	1.50	2.40	1.79	1.36	1.38	1.87
28	5.51	1.85	1.33	1.34	1.37	1.35	1.55	2.79	1.37	1.35	1.39	1.80
29	6.68	1.88	1.33	1.34	---	1.35	1.45	2.48	1.36	1.35	1.39	1.82
30	8.26	1.90	1.32	1.34	---	1.35	1.55	2.27	1.37	1.34	1.65	2.02
31	9.92	---	1.35	1.34	---	1.35	---	2.15	---	1.34	2.09	---
MAX	9.92	11.24	3.33	1.91	4.99	3.20	2.03	2.79	2.77	1.54	2.09	2.37
MIN	1.34	1.43	1.32	1.34	1.33	1.35	1.34	1.43	1.36	1.33	1.33	1.40

07380120 AMITE RIVER AT PORT VINCENT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°19'57", long 90°51'07", in Sec.19, T.8 S., R.4 E., Livingston Parish, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16, 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1,596 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 25, 1983 to Sept. 30, 1984 (elevations only) October 1984 to current year. Prior to Oct. 24, 1983, elevations only in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--Estimated daily discharges, Jan. 27 to June 12, Aug. 2-5, and Sept. 4-11. Records poor. No elevation record Feb. 27 to Mar. 4, Apr. 18 to May 16, June 6-12, Aug. 2-5, and Sept. 4-11. No velocity record Jan. 27 to June 12, Aug. 2-5, and Sept. 4-11.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 14.65 ft Apr. 9, 1983; minimum elevation, -1.04 ft Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,200 ft³/s Nov. 1, 1985, elevation, 9.18 ft; minimum discharge recorded, 85 ft³/s Sept. 2, 1986; minimum daily elevation, -0.14 ft Jan. 28, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,200 ft³/s Nov. 1, elevation, 9.18 ft; minimum discharge recorded, 85 ft³/s Sept. 2; minimum daily elevation, -0.14 ft Jan. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2160	35600	1630	1850	830	720	840	620	6000	1570	1080	151
2	3210	26600	1620	2310	780	700	800	600	4200	1560	900	85
3	2930	22300	1320	1900	750	680	780	800	3800	1360	700	204
4	2200	11900	1200	1420	2000	1000	760	700	3000	1260	600	450
5	1560	5280	1350	1290	6000	860	740	620	2000	1150	800	900
6	1100	3460	1380	1090	12000	700	720	600	2500	1120	763	700
7	863	2670	1130	1120	7000	680	700	590	2100	1110	528	520
8	782	2060	1380	1220	5000	660	690	580	1700	1040	550	480
9	757	1650	1380	1400	2700	660	680	570	3000	1190	638	400
10	1010	1330	1330	2140	2100	640	670	560	2000	1120	610	440
11	773	1190	1530	2160	2800	640	660	1500	1300	970	1100	500
12	1010	1180	2820	1700	2300	2500	800	3000	1800	932	678	787
13	2990	1280	6560	1480	2000	6400	1000	2000	833	952	270	665
14	1740	1480	7730	1340	1700	7000	1200	1250	568	867	596	580
15	1140	1530	7900	1100	1450	6400	1100	720	619	918	743	599
16	2130	1300	5740	815	1300	4000	1000	580	593	957	1180	591
17	1550	1220	2580	943	1200	2900	820	500	1580	865	708	514
18	1180	1230	1840	1010	1150	1300	700	600	4500	895	730	319
19	1280	1290	1610	1130	1100	1600	660	900	1720	1000	808	216
20	867	1650	1440	927	1050	3000	1500	1300	1650	962	702	286
21	859	1510	1070	855	1000	5000	1900	2000	3200	1080	465	795
22	925	1250	1060	1030	960	4000	2300	1500	1830	1050	421	528
23	1250	1070	986	1100	920	3000	1950	1100	2000	884	603	528
24	1500	1020	1050	725	880	2200	1500	740	1180	1110	571	469
25	2490	1150	1120	1170	830	1600	1100	2000	1210	1110	326	672
26	1890	1270	814	2220	800	1400	880	4500	1220	2990	358	324
27	2490	1270	903	2400	770	1200	760	3800	1200	1230	525	263
28	8960	1390	2450	1700	730	1100	700	4500	1370	1040	733	522
29	12600	1440	1870	1300	---	1000	670	4000	2540	1110	444	248
30	18100	1420	1440	1000	---	940	650	3500	2380	1180	446	440
31	25500	---	1410	920	---	890	---	4500	---	1220	157	---
TOTAL	107796	138990	67643	42765	62100	65370	29230	50730	63593	35802	19733	14176
MEAN	3477	4633	2182	1380	2218	2109	974	1636	2120	1155	637	473
MAX	25500	35600	7900	2400	12000	7000	2300	4500	6000	2990	1180	900
MIN	757	1020	814	725	730	640	650	500	568	865	157	85

CAL YR 1985	TOTAL	886473	MEAN	2429	MAX	35600	MIN	358
WTR YR 1986	TOTAL	697928	MEAN	1912	MAX	35600	MIN	85

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.42	8.97	1.97	1.31	1.03	---	1.15	---	2.10	1.12	.53	2.19
2	2.34	8.71	1.54	1.45	1.12	---	1.08	---	2.27	.79	---	2.22
3	2.26	7.14	1.39	1.28	1.10	---	1.35	---	2.10	.40	---	2.16
4	2.09	5.46	1.54	1.17	1.63	---	1.82	---	2.19	.64	---	---
5	1.68	4.04	1.47	1.03	2.77	.45	2.08	---	2.35	.86	---	---
6	1.39	3.12	1.07	.90	3.28	.43	1.97	---	---	1.05	.95	---
7	1.54	2.40	1.20	1.36	3.25	.50	1.38	---	---	1.25	1.00	---
8	1.88	2.07	1.35	1.77	2.63	.91	.65	---	---	1.40	1.04	---
9	2.31	2.19	1.43	1.92	1.87	1.21	.48	---	---	1.47	1.10	---
10	2.24	2.15	1.73	1.91	1.71	1.37	.94	---	---	1.33	1.14	---
11	1.99	2.19	1.93	1.66	1.17	1.45	.94	---	---	.99	1.17	---
12	1.81	2.08	2.09	1.32	.80	1.95	.99	---	---	.71	1.23	1.79
13	1.98	2.06	2.61	.84	.85	2.37	1.18	---	.91	.72	1.38	1.72
14	2.01	2.04	2.45	.66	1.06	2.66	1.44	---	1.01	.86	1.38	1.84
15	2.03	2.03	2.13	.49	.94	2.23	1.16	---	1.04	.78	1.26	1.79
16	2.10	1.93	1.62	.66	.98	1.63	.82	---	1.11	.82	1.02	1.75
17	2.25	1.90	1.11	1.13	1.14	1.32	1.08	2.42	1.30	.84	.61	1.81
18	2.35	1.98	1.05	1.30	1.13	1.70	---	2.38	1.54	.88	.49	1.99
19	2.73	2.10	1.05	1.13	1.11	1.72	---	2.10	1.20	.82	.59	2.26
20	2.71	1.88	.87	.85	1.11	1.72	---	1.88	1.34	.62	.82	2.50
21	2.55	1.58	.69	.85	1.11	1.45	---	1.94	1.52	.67	1.05	2.38
22	2.49	1.87	.68	.75	1.11	.74	---	1.90	1.39	.85	1.53	2.20
23	2.51	1.57	.74	.73	1.06	.33	---	1.91	1.56	.87	1.46	2.05
24	2.61	1.77	.72	.85	.85	.28	---	1.86	1.72	.83	.94	2.01
25	2.76	1.87	.45	1.30	.86	.51	---	1.80	1.98	.81	.90	1.99
26	2.97	1.85	.30	.79	.74	1.01	---	1.97	1.94	1.09	1.08	1.98
27	3.60	1.86	.44	.00	---	.96	---	2.06	1.64	.92	1.31	2.00
28	5.10	1.88	.93	-0.14	---	.99	---	2.29	1.18	.83	1.29	1.93
29	6.26	1.95	1.05	1.05	---	1.13	---	2.12	1.24	.67	1.47	1.94
30	7.25	2.02	1.13	.53	---	1.16	---	2.00	1.17	.69	1.80	2.06
31	8.08	---	1.29	.92	---	1.19	---	1.97	---	.87	2.12	---
MAX	8.08	8.97	2.61	1.92	3.28	2.66	---	---	---	1.47	2.12	2.50
MIN	1.39	1.57	.30	-0.14	---	---	---	---	---	.40	.49	---

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965, 1967-69, 1976, current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 23...	1100	1140	138	7.40	26.0	50	15	3.4	2.3	K70
JAN 30...	0905	1780	169	7.20	11.0	30	25	9.7	1.6	840
APR 28...	1050	—	67	7.10	23.0	30	15	8.0	2.7	190
JUL 30...	1045	1330	75	7.50	33.0	20	26	6.1	1.7	400

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 23...	K110	32	8.6	2.5	13	3.0	35	9.7	17	<0.1
JAN 30...	K150	41	11	3.3	17	1.7	35	12	22	0.1
APR 28...	230	14	3.4	1.4	6.0	2.1	14	5.8	6.8	<0.1
JUL 30...	1100	16	4.2	1.4	6.0	2.2	18	6.2	7.5	<0.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 23...	9.8	98	85	0.18	0.18	0.17	0.7	0.33	0.25	0.22
JAN 30...	5.2	98	96	0.25	0.14	0.13	0.7	0.16	0.08	0.07
APR 28...	11	50	47	0.35	—	0.05	0.8	0.14	0.06	0.04
JUL 30...	9.9	65	51	0.28	0.11	0.10	0.8	0.16	0.08	0.07

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 23...	50	2	40	<0.5	<1	<1	<3	6	190	<5
JAN 30...	50	<1	27	<0.5	<1	<1	<3	4	89	<5
APR 28...	80	1	34	<0.5	<1	<1	<3	2	280	<5

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 23...	6	210	<0.1	<10	1	<1	<1	55	<6	11
JAN 30...	4	60	<0.1	<10	<1	<1	<1	42	<6	22
APR 28...	<4	140	<0.1	<10	<1	<1	<1	29	<6	6

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 23...		25	77
JAN 30...		20	96
APR 28...		38	76
JUL 30...		40	144

< Actual value is known to be less than the value shown.

07380228 NEW RIVER AT ACY, LA

LOCATION.--Lat 30°13'07", long 90°49'15", at center E 1/2 sec.32, T.9 S., R.4 E., Ascension Parish, Hydrologic Unit 08070204, near left bank on downstream side of bridge on State Highway 22, at Acy, and 2.4 mi upstream from Bayou Francois.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1976 to March 1986, gage heights only (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 3.91 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.51 ft Oct. 30, 1985; minimum, 2.57 ft Feb. 24, 1978.

EXTREMES FOR CURRENT PERIOD.--October to March: maximum gage height, 9.51 ft Oct. 30; minimum, 3.15 ft Jan. 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.31	9.22	5.56	4.88	4.79	3.87						
2	5.97	8.97	5.31	4.94	5.01	3.78						
3	5.83	8.72	4.96	4.96	4.94	3.91						
4	5.69	8.41	4.98	4.92	5.05	3.93						
5	5.43	8.03	5.03	4.90	5.86	4.09						
6	4.91	7.59	4.77	4.71	5.98	4.29						
7	4.94	7.08	4.67	4.97	5.56	4.16						
8	5.38	6.52	5.09	5.49	5.36	4.39						
9	5.85	6.21	5.15	5.57	5.31	4.82						
10	5.96	5.97	5.29	5.60	5.29	5.06						
11	5.69	5.91	5.58	5.40	4.83	4.97						
12	5.45	5.79	5.53	4.90	4.27	---						
13	5.80	5.67	6.59	4.49	4.29	---						
14	5.82	5.61	6.12	4.18	4.83	---						
15	5.69	5.59	5.21	4.04	4.76	---						
16	5.60	5.50	4.77	4.20	4.80	---						
17	6.28	5.41	4.53	4.88	5.01	---						
18	6.13	5.47	4.52	5.15	4.99	---						
19	6.28	5.59	4.68	5.09	4.98	---						
20	6.32	5.66	4.68	4.71	4.96	---						
21	6.22	5.24	4.34	4.72	4.90	---						
22	6.14	5.52	4.45	4.54	4.91	---						
23	6.15	5.33	4.54	4.46	4.73	---						
24	6.35	5.45	4.51	4.53	4.77	---						
25	6.35	5.59	4.31	4.94	4.49	---						
26	6.50	5.56	3.93	5.05	4.46	---						
27	6.87	5.49	4.05	3.77	3.88	---						
28	8.06	5.48	4.57	3.29	3.88	---						
29	8.73	5.53	4.62	3.66	---	---						
30	9.39	5.55	4.54	4.12	---	---						
31	9.47	---	4.82	4.64	---	---						
MAX	9.47	9.22	6.59	5.60	5.98	5.06						
MIN	4.91	5.24	3.93	3.29	3.88	---						

LOCATION.--Lat 29°47'52", long 90°49'21", in lot 117, T.15 S., R.16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.64 ft Apr. 17, 1973; minimum, 0.82 ft Dec. 2, 1966.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	241	75	265	239	182	199	187	155	179	261	156	208
2	153	69	260	228	187	224	182	124	186	234	158	232
3	110	78	231	199	187	218	163	128	195	232	161	219
4	95	76	206	195	214	191	168	153	225	229	162	205
5	132	65	200	216	260	170	181	159	254	224	152	183
6	161	64	191	191	345	168	193	155	250	226	149	179
7	172	58	185	210	278	183	199	165	257	226	146	178
8	178	45	185	220	285	200	196	171	258	226	155	177
9	182	60	182	216	243	204	186	176	263	208	171	171
10	187	101	181	234	237	198	181	172	258	200	192	169
11	187	116	186	230	217	187	181	178	252	202	202	174
12	191	116	312	219	200	203	176	188	212	207	238	175
13	333	115	464	212	205	217	182	179	184	208	207	148
14	428	115	290	200	234	206	187	172	199	223	179	110
15	259	122	221	192	250	196	186	167	195	216	179	98
16	198	128	213	193	257	193	181	168	194	218	177	137
17	243	133	186	189	265	185	177	174	232	215	171	154
18	152	133	148	188	254	183	181	188	265	216	202	164
19	116	132	128	186	252	198	190	233	227	212	175	176
20	132	134	125	182	239	201	227	212	216	212	164	223
21	151	133	133	175	207	193	214	178	223	218	164	298
22	134	135	153	169	204	182	192	171	202	253	170	234
23	147	139	167	169	203	191	176	176	215	235	173	215
24	141	149	195	170	210	192	167	181	215	222	172	192
25	139	147	231	240	205	170	157	199	214	210	171	190
26	135	171	236	304	221	169	163	216	209	206	177	169
27	451	206	242	231	194	175	173	217	169	204	178	150
28	919	233	299	194	181	179	180	201	178	183	185	149
29	843	246	267	180	---	183	161	186	230	171	176	149
30	439	250	253	175	---	186	161	181	292	155	177	154
31	190	---	248	176	---	189	---	171	---	153	179	---
TOTAL	7539	3744	6783	6322	6416	5933	5448	5494	6648	6605	5418	5380
MEAN	243	125	219	204	229	191	182	177	222	213	175	179
MAX	919	250	464	304	345	224	227	233	292	261	238	298
MIN	95	45	125	169	181	168	157	124	169	153	146	98
CAL WTR	YR 1985	TOTAL	71083	MEAN	195	MAX	919	MIN	45			
YR 1986		TOTAL	71730	MEAN	197	MAX	919	MIN	45			

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--Continued
 ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.43	4.91	5.49	5.43	5.27	5.33	5.34	5.28	5.35	5.58	5.29	5.44
2	5.18	4.89	5.48	5.39	5.28	5.40	5.33	5.19	5.38	5.51	5.30	5.50
3	5.04	4.92	5.40	5.31	5.28	5.39	5.27	5.20	5.40	5.51	5.30	5.47
4	4.99	4.92	5.33	5.30	5.35	5.31	5.28	5.28	5.49	5.50	5.31	5.43
5	5.11	4.87	5.32	5.36	5.48	5.25	5.33	5.30	5.56	5.48	5.28	5.37
6	5.20	4.87	5.29	5.29	5.69	5.24	5.37	5.28	5.55	5.49	5.27	5.36
7	5.24	4.84	5.27	5.34	5.53	5.29	5.38	5.31	5.57	5.49	5.26	5.35
8	5.25	4.78	5.27	5.37	5.54	5.35	5.37	5.33	5.58	5.49	5.29	5.35
9	5.26	4.85	5.27	5.36	5.44	5.36	5.35	5.35	5.59	5.44	5.33	5.33
10	5.28	5.01	5.26	5.41	5.42	5.34	5.33	5.34	5.57	5.42	5.39	5.33
11	5.28	5.06	5.28	5.40	5.36	5.31	5.33	5.35	5.56	5.42	5.42	5.34
12	5.29	5.06	5.60	5.37	5.32	5.36	5.32	5.38	5.45	5.44	5.52	5.34
13	5.66	5.06	5.96	5.35	5.33	5.40	5.34	5.36	5.37	5.44	5.44	5.26
14	5.88	5.06	5.56	5.32	5.41	5.36	5.36	5.34	5.41	5.48	5.36	5.14
15	5.48	5.08	5.37	5.29	5.45	5.35	5.36	5.32	5.40	5.46	5.36	5.10
16	5.31	5.10	5.35	5.30	5.47	5.34	5.34	5.32	5.40	5.47	5.35	5.23
17	5.43	5.12	5.28	5.28	5.49	5.31	5.33	5.34	5.50	5.46	5.33	5.28
18	5.17	5.12	5.16	5.28	5.46	5.31	5.34	5.38	5.59	5.46	5.42	5.31
19	5.06	5.11	5.10	5.28	5.46	5.35	5.37	5.51	5.49	5.45	5.35	5.35
20	5.11	5.12	5.09	5.27	5.42	5.36	5.48	5.45	5.46	5.45	5.31	5.48
21	5.17	5.12	5.11	5.24	5.34	5.34	5.45	5.35	5.48	5.47	5.31	5.68
22	5.12	5.12	5.18	5.23	5.34	5.32	5.38	5.33	5.42	5.56	5.33	5.51
23	5.16	5.14	5.22	5.23	5.34	5.34	5.34	5.35	5.46	5.51	5.34	5.46
24	5.14	5.17	5.30	5.23	5.35	5.34	5.31	5.36	5.46	5.48	5.34	5.39
25	5.13	5.16	5.40	5.42	5.34	5.28	5.28	5.41	5.46	5.44	5.33	5.39
26	5.12	5.23	5.42	5.59	5.38	5.28	5.30	5.46	5.44	5.43	5.35	5.33
27	5.91	5.33	5.43	5.40	5.31	5.29	5.34	5.46	5.33	5.43	5.35	5.27
28	6.86	5.41	5.58	5.30	5.27	5.31	5.36	5.42	5.35	5.37	5.37	5.27
29	6.72	5.44	5.50	5.26	---	5.33	5.30	5.38	5.50	5.33	5.35	5.27
30	5.89	5.45	5.46	5.24	---	5.34	5.30	5.36	5.66	5.29	5.35	5.28
31	5.28	---	5.45	5.25	---	5.35	---	5.33	---	5.28	5.36	---
MAX	6.86	5.45	5.96	5.59	5.69	5.40	5.48	5.51	5.66	5.58	5.52	5.68
MIN	4.99	4.78	5.09	5.23	5.27	5.24	5.27	5.19	5.33	5.28	5.26	5.10

07381324 BAYOU GRAND CAILLOU AT DULAC, LA

LOCATION.--Lat 29°22'58", long 90°42'55", in Sec.86, T.19 S, R.17 E., St. Helena Meridian, Terrebonne Parish, Hydrologic Unit 08090302, on downstream side of Bouquet Bridge, 0.1 mi west of intersection of parish road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year (daily discharges below 6.0 ft stage only).

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 2.00 ft below National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, datum of gage 2.00 ft higher.

REMARKS.--No estimated daily discharges. Records poor. Flow occasionally reversed as a result of tide and wind effect.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.89 ft Oct. 28, 1985; minimum discharge -1,470 ft³/s Oct. 28, 1985; minimum gage height (recorded) 2.96 ft Feb. 14, 1985 (present datum).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.89 ft Oct. 28; minimum discharge -1,470 ft³/s Oct. 28; minimum gage height, 3.08 ft Jan. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	266	447	25	-130	-128	-157	58	157	-60	-87	---	63
2	132	277	-14	-151	-91	-187	20	286	26	-132	---	31
3	135	239	-36	-150	-124	-143	89	233	66	-109	---	68
4	187	272	-80	-142	-83	-131	-25	-3.8	36	-93	---	126
5	323	202	-73	-126	85	-192	2.3	176	89	-103	---	186
6	113	195	24	-135	12	-77	139	86	90	-146	---	232
7	70	138	-131	-55	11	-142	137	161	101	-127	---	202
8	65	102	-121	-89	-30	-139	110	146	118	-159	170	152
9	-31	8.3	-125	-84	-48	-109	143	201	97	---	179	148
10	41	2.7	-91	-80	-59	-26	41	81	132	---	166	149
11	65	43	12	-123	-79	-88	-3.6	125	179	---	184	198
12	95	68	-20	-50	-66	-67	34	241	121	---	119	231
13	28	53	40	-84	-107	57	-14	241	134	---	164	197
14	30	62	-19	-119	64	101	118	63	141	---	190	162
15	127	18	-89	-123	71	94	139	11	74	---	169	176
16	111	60	-81	-160	-54	133	45	-17	27	---	120	173
17	71	-15	-113	-120	106	-60	-23	-74	-67	---	105	151
18	-41	-70	-121	-71	92	-156	13	189	-54	---	87	77
19	-39	79	-99	-66	-6.6	255	18	274	-100	---	64	-44
20	39	184	-106	-100	-69	135	201	225	-120	---	56	-17
21	93	61	-120	-118	-121	58	260	77	-137	---	110	18
22	99	-125	-149	-111	-137	-16	97	56	-122	---	153	46
23	13	19	-144	-124	-135	-85	60	129	-111	---	132	72
24	113	16	-130	-136	-16	-85	-31	163	-94	---	136	118
25	249	-50	-115	-100	-78	-141	4.3	180	-20	---	100	131
26	86	96	-126	-58	-96	137	32	190	43	---	136	102
27	---	20	-153	-101	-108	88	51	158	155	---	115	135
28	---	2.3	-137	-133	-118	-39	183	153	76	---	179	127
29	---	-29	-132	-121	---	-8.2	98	122	88	---	128	84
30	---	-50	-154	-126	---	-5.0	77	103	-14	---	127	105
31	---	---	-149	-124	---	16	---	84	---	---	59	---
TOTAL	---	2325.3	-2727	-3410	-1312.6	-979.2	2073.0	4216.2	953.40	---	---	3599
MEAN	---	77.5	-88.0	-110	-46.9	-31.6	69.1	136	31.8	---	---	120
MAX	---	447	40	-50	106	255	260	286	179	---	---	232
MIN	---	-125	-154	-160	-137	-192	-31	-74	-137	---	56	-44

07381324 BAYOU GRAND CAILLOU AT DULAC, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.35	5.48	4.62	3.87	3.65	3.24	3.97	4.36	4.54	4.34	3.62	4.39
2	4.41	5.31	3.97	4.04	3.62	3.45	4.04	4.25	4.57	4.21	3.61	4.57
3	4.44	4.93	4.01	3.96	3.78	3.46	4.37	4.03	4.57	3.99	3.73	4.59
4	4.52	4.60	4.07	4.12	4.13	3.39	4.51	4.17	4.62	3.97	3.81	4.50
5	4.18	4.28	4.05	3.73	4.28	3.65	4.53	4.50	4.69	4.06	3.90	4.38
6	4.07	4.18	3.80	3.87	4.28	3.51	4.35	4.47	4.74	4.11	4.01	4.25
7	4.16	4.17	4.00	3.90	4.09	3.65	4.13	4.54	4.72	4.03	4.05	4.29
8	4.37	4.17	3.99	3.75	4.15	3.74	4.05	4.50	4.68	4.09	4.10	4.25
9	4.46	4.46	4.13	3.73	4.11	3.93	3.79	4.43	4.70	4.10	4.10	4.41
10	4.51	4.52	4.37	3.71	4.05	3.96	3.83	4.42	4.87	4.35	4.12	4.55
11	4.41	4.56	4.50	3.72	3.43	4.09	3.97	4.68	4.85	4.28	3.96	4.64
12	4.47	4.48	4.63	3.78	3.32	4.52	4.07	4.80	4.66	4.24	4.04	4.58
13	4.52	4.50	4.46	3.46	3.40	4.25	4.16	4.52	4.35	4.09	4.13	4.53
14	4.58	4.47	3.80	3.52	3.92	4.42	4.30	4.50	4.19	3.98	4.23	4.53
15	4.63	4.53	3.84	3.55	3.73	4.25	4.03	4.63	4.02	3.96	4.22	4.46
16	4.60	4.53	3.74	3.67	4.00	4.02	3.82	4.81	4.00	3.92	4.14	4.44
17	4.69	4.60	3.90	3.82	4.01	4.03	3.94	4.90	4.01	3.91	4.04	4.49
18	4.84	4.72	3.87	3.85	3.96	4.43	4.10	4.87	4.07	3.97	3.76	4.55
19	4.89	4.80	3.57	3.79	3.96	4.20	4.26	4.66	4.13	3.93	3.70	4.65
20	4.89	4.36	3.59	3.71	3.96	3.81	4.44	4.43	4.19	3.85	3.76	4.71
21	4.86	4.06	3.54	3.66	3.99	3.39	3.98	4.46	4.20	3.93	3.90	4.69
22	4.92	4.66	3.72	3.62	3.81	3.23	3.83	4.56	4.19	3.93	4.08	4.67
23	5.00	4.53	3.89	3.49	3.77	3.31	3.83	4.68	4.26	3.86	4.01	4.63
24	4.91	4.30	3.95	3.63	3.78	3.34	3.91	4.64	4.37	3.83	3.88	4.70
25	4.83	4.55	3.48	3.84	3.78	3.61	4.06	4.56	4.78	3.86	3.91	4.72
26	5.10	4.60	3.44	3.36	3.96	3.68	4.14	4.53	4.86	3.85	3.92	4.67
27	5.71	4.63	3.74	3.14	3.69	3.59	4.35	4.59	4.56	3.79	4.02	4.63
28	7.95	4.66	3.84	3.26	3.25	3.74	4.34	4.61	4.31	3.74	4.05	4.64
29	7.70	4.63	3.81	3.38	---	3.77	4.26	4.55	4.19	3.75	3.98	4.74
30	6.65	4.65	3.92	3.51	---	3.86	4.32	4.57	4.30	3.69	4.16	4.77
31	6.09	---	4.07	3.60	---	3.97	---	4.57	---	3.71	4.25	---
MAX	7.95	5.48	4.63	4.12	4.28	4.52	4.53	4.90	4.87	4.35	4.25	4.77
MIN	4.07	4.06	3.44	3.14	3.25	3.23	3.79	4.03	4.00	3.69	3.61	4.25

LOCATION.--Lat 30°26'33", long 91°27'06", in Sec.27, T.7 S., R.10 E., St. Helena Meridian, Iberville Parish, Hydrologic Unit 08070300, on downstream side of bridge on Highway 76, in the Town of Rosedale, 2.1 mi north of Interstate 10, 2.5 mi north of Grosse Tete.

WATER-DISCHARGE RECORDS

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080 ft³/s Oct. 25, 1984, gage height 12.11 ft; minimum discharge, -280 ft³/s June 16, 1985, minimum gage height, 0.06 ft Oct. 27, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,610 ft³/s, Oct. 29; maximum gage height, 11.28 ft Oct. 31; minimum discharge, -24 ft³/s Oct. 12; minimum gage height, 0.46 ft Aug. 19, 20, 21, 22, 26, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	543	766	102	520	27	62	43	33	45	43	28	29
2	300	543	126	400	41	55	43	32	41	37	28	32
3	78	820	104	282	44	56	39	29	37	317	29	35
4	35	733	78	207	94	58	42	28	69	584	31	33
5	18	682	65	164	576	62	43	28	74	320	26	29
6	8.1	755	57	139	634	68	44	28	51	103	29	22
7	3.2	846	54	136	561	72	39	30	40	54	34	18
8	2.3	766	66	169	386	58	46	31	42	53	34	18
9	-0.90	568	56	147	292	53	31	30	44	74	34	15
10	1.6	169	48	159	273	44	34	27	425	51	35	15
11	1.6	111	61	308	253	37	31	30	407	38	33	20
12	12	85	697	293	214	191	38	29	167	37	34	20
13	207	32	1020	190	174	847	47	32	69	38	32	23
14	165	78	1040	120	151	728	39	26	49	32	32	20
15	106	210	941	94	151	484	32	27	47	28	34	23
16	115	187	734	84	130	280	31	25	41	27	34	19
17	68	166	518	76	117	160	26	27	42	27	36	19
18	32	155	331	66	111	99	23	36	45	27	33	22
19	19	142	257	58	102	483	24	39	42	26	26	23
20	20	133	227	50	96	655	189	31	39	22	24	27
21	20	128	195	40	88	401	447	30	36	55	19	30
22	34	124	178	33	84	218	161	29	32	206	16	27
23	86	120	164	27	67	126	61	29	35	145	16	26
24	457	116	142	22	60	79	33	29	35	55	20	26
25	401	109	109	23	60	55	28	32	30	46	22	27
26	204	108	90	62	63	44	27	50	31	42	24	30
27	426	95	113	76	65	42	25	89	32	38	27	30
28	1100	115	447	43	64	43	28	381	32	34	20	32
29	1240	114	477	33	---	45	39	289	40	30	24	30
30	866	103	374	26	---	47	36	146	57	28	25	33
31	693	---	358	28	---	45	---	57	---	32	28	---
TOTAL	7260.90	9079	9229	4075	4978	5697	1769	1759	2176	2649	867	753
MEAN	234	303	298	131	178	184	59.0	56.7	72.5	85.5	28.0	25.1
MAX	1240	846	1040	520	634	847	447	381	425	584	36	35
MIN	-0.90	32	48	22	27	37	23	25	30	22	16	15
CAL	YR 1985	TOTAL	89132	MEAN	244	MAX	1540	MIN	-110			
WTR	YR 1986	TOTAL	50291.90	MEAN	138	MAX	1240	MIN	-0.90			

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.77	11.18	2.19	4.47	1.05	.86	1.23	1.25	1.46	1.61	.99	.69
2	2.78	11.01	2.26	3.99	1.40	.75	1.20	1.18	1.42	1.45	.86	.81
3	1.55	10.78	2.18	3.32	1.45	.77	1.16	1.08	1.39	2.50	.67	.95
4	1.25	10.49	2.09	2.92	2.43	1.02	1.31	1.09	1.73	5.04	.79	.90
5	1.16	10.17	2.00	2.64	5.30	1.15	1.40	1.01	1.69	3.69	.55	.85
6	.84	9.85	1.93	2.42	5.39	1.04	1.40	1.05	1.52	2.15	.69	.75
7	.83	9.51	1.93	2.29	4.78	.98	1.42	1.05	1.52	1.69	.92	.67
8	.82	9.15	1.88	2.31	3.81	.90	1.39	1.07	1.51	1.70	.94	.63
9	.95	8.75	1.78	2.20	3.18	.91	1.12	1.04	1.66	1.84	.95	.59
10	1.02	8.22	1.75	2.25	3.00	.93	1.04	.99	3.70	1.52	.98	.73
11	1.04	7.42	1.84	2.77	2.96	.97	1.17	1.13	3.22	1.32	.95	.88
12	1.17	6.41	4.91	2.74	2.63	1.62	1.15	1.24	2.17	1.42	.94	1.06
13	2.23	5.35	8.36	2.35	2.33	5.23	1.12	1.24	1.77	1.28	.78	1.07
14	2.35	4.35	8.30	2.01	2.11	5.17	1.12	1.02	1.69	1.12	.80	1.00
15	1.96	3.71	7.50	1.79	1.96	3.85	1.20	1.06	1.53	1.12	.89	.90
16	1.98	3.44	6.33	1.54	1.77	2.56	.98	1.11	1.42	1.16	.93	.77
17	1.88	3.41	5.11	1.34	1.67	1.88	.81	1.17	1.50	.97	1.01	.83
18	1.73	3.31	4.06	1.53	1.59	1.56	.73	1.39	1.62	.90	.86	.96
19	1.78	3.22	3.52	1.50	1.48	3.08	.84	1.39	1.49	.82	.53	.92
20	1.77	3.17	3.23	1.32	1.36	4.52	1.84	1.20	1.37	1.03	.46	1.03
21	1.83	3.03	3.03	1.30	1.26	3.31	3.16	1.08	1.31	1.54	.47	1.25
22	2.12	2.97	2.87	1.23	1.15	2.22	1.94	1.13	1.27	2.46	.49	1.15
23	2.28	2.87	2.73	1.03	.99	1.71	1.25	1.14	1.31	1.98	.53	1.14
24	4.59	2.70	2.57	.87	.91	1.38	.99	1.08	1.24	1.65	.53	1.12
25	4.63	2.60	2.42	.88	.98	1.14	.94	1.33	1.24	1.49	.54	1.27
26	3.38	2.44	2.31	1.41	1.03	1.02	.86	1.45	1.24	1.76	.46	1.24
27	4.56	2.31	2.33	1.57	1.08	.92	.92	1.73	1.20	1.98	.56	1.31
28	9.30	2.26	3.84	1.34	1.02	.96	1.09	3.22	1.20	1.89	.52	1.31
29	10.59	2.29	4.50	1.20	---	1.04	1.47	2.93	1.40	1.62	.48	1.34
30	11.17	2.18	3.81	1.00	---	1.10	1.33	2.11	1.73	1.40	.47	1.42
31	11.27	---	3.52	1.07	---	1.13	---	1.61	---	1.20	.63	---
MAX	11.27	11.18	8.36	4.47	5.39	5.23	3.16	3.22	3.70	5.04	1.01	1.42
MIN	.82	2.18	1.75	.87	.91	.75	.73	.99	1.20	.82	.46	.59

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1969, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME (US/CM)	SPE- CIFIC CON- DUCT- ANCE (UNITS)	PH (STAND- ARD (DEG C)	TEMPER- ATURE (UNITS)	COLOR (PLAT- INUM- COBALT (NTU)	TUR- BID- ITY (MG/L)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY 100 ML	COLI- FORM, FECAL, 0.7 UM-MF (COLS./
OCT 21...	0930	258	7.50	25.0	30	25	0.1	—	190
JAN 02...	1045	299	7.60	13.0	30	80	7.2	2.6	>5000
APR 01...	1300	391	7.60	20.0	20	4.0	4.2	3.1	220
JUL 08...	1245	196	7.40	—	50	25	4.7	4.1	K220

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 21...	840	100	26	9.4	9.1	5.9	106	9.9
JAN 02...	17000	130	34	11	9.0	4.6	120	17
APR 01...	700	170	43	15	13	4.1	178	13
JUL 08...	3200	77	20	6.6	6.8	3.8	75	11

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 21...	8.2	0.1	11	163	140	0.09	1.6	0.54
JAN 02...	9.0	0.1	11	179	170	0.63	1.2	0.33
APR 01...	10	0.2	6.1	224	210	0.08	1.0	0.16
JUL 08...	5.5	0.2	12	123	110	0.37	1.4	0.41

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 21...	13	4	2	3	7	<1	10	16	45	14000	<5
DATE	LEAD, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC OV- ERABLE (UG/L AS HG)	MERCURY REC OV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 21...	<10	250	440	<0.1	<0.01	28	71	9.7	<0.01	11	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 21...	2	<0.1	<1	<0.001	<0.1	<0.1	3	<0.001	2.1	<0.001	4.2
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 21...	<0.001	0.7	0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 21...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 21...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 21...	<0.1	<1	<1	<10	<0.01	<0.1	0.1	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°09'40", long 91°20'14", In NE1/4 sec.34, T.10 S., R.11 E., Iberville Parish, Hydrologic Unit 08070300, at bridge on State Highway 75 spur in Bayou Sorrel.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1959-60, October 1978 to September 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1980 to September 1982.

WATER TEMPERATURES: February 1980 to September 1982.

INSTRUMENTATION.--Water-quality monitor February 1980 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 582 micromhos Feb. 3, 1981; minimum, 142 micromhos Mar. 30, 1980.

WATER TEMPERATURES: Maximum, 34.5°C July 6, 7, 1980; minimum, 5.5°C Jan. 15, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 03...	1400	705	405	7.80	25.0	5	37	6.6	1.3	K170
JAN 09...	1245	1640	386	7.30	9.5	20	46	8.4	1.4	210
APR 22...	1245	1350	451	7.80	22.5	10	40	8.3	1.6	100
JUL 02...	1130	1340	381	7.70	29.0	15	40	5.9	0.9	180

DATE	STREP- TOCOCCI FECAL KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 03...	1000	140	36	12	28	3.0	119	40	28	0.2
JAN 09...	100	150	39	12	19	4.2	114	24	33	0.1
APR 22...	160	170	45	15	22	3.5	130	38	33	0.2
JUL 02...	400	150	38	13	17	3.4	114	40	22	0.2

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 03...	5.3	237	240	0.33	0.06	0.03	0.6	0.17	0.13	0.13
JAN 09...	11	215	210	0.52	0.11	0.08	1.0	0.20	0.08	0.05
APR 22...	7.3	251	250	2.0	0.07	0.05	0.8	0.15	0.08	0.06
JUL 02...	7.5	217	220	1.5	0.07	0.07	0.7	0.19	0.13	0.11

K Results based on colony count outside the acceptable range (non-ideal count).

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 03...	10	2	80	1	<1	1	<3	4	<3	6
JAN 09...	20	1	74	<0.5	<1	<1	<3	2	53	<5
APR 22...	10	1	86	0.9	<1	<1	<3	2	6	5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 03...	<4	<1	--	<10	12	<1	<1	200	<6	<3
JAN 09...	8	46	<0.1	<10	4	<1	<1	180	<6	12
APR 22...	8	23	<0.1	<10	<1	<1	<1	200	<6	5

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 03...	58	110	93
JAN 09...	73	323	90
APR 22...	98	357	90
JUL 02...	50	181	78

< Actual value is known to be less than the value shown.

295500091100000 LAKE VERRET NEAR PIERRE PART, LA

LOCATION.--Lat 29°55'00", long 91°10'00", in T.13 S., R.13 E., Assumption Parish, Hydrologic Unit 08090302, 1.2 mi northwest of landing at State Highway 1016-1, 4.3 mi southeast of Pierre Part.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1975, 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 22...	1200	271	8.20	26.5	5	7.0	6.1	2.6	K1	K9
JAN 15...	1215	288	7.50	12.0	20	9.0	8.3	1.1	K9	23
APR 16...	1115	348	8.10	24.0	30	15	14.6	8.9	K3	K2
JUL 16...	1145	323	8.20	32.5	30	8.0	11.2	7.6	41	K2

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 22...	91	24	7.6	16	2.9	82	19	19	0.2
JAN 15...	110	29	8.8	14	4.8	96	13	25	0.1
APR 16...	140	35	12	19	3.8	115	29	29	0.2
JUL 16...	120	30	10	17	3.1	100	25	20	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 22...	7.6	164	150	0.04	0.04	0.04	1.6	0.16	0.04
JAN 15...	8.1	168	160	0.15	0.15	0.09	0.92	0.13	0.05
APR 16...	1.6	211	200	0.24	0.20	0.02	1.6	0.20	0.01
JUL 16...	9.6	185	180	0.22	0.22	0.02	1.2	0.16	0.04

K Results based on colony count outside the acceptable range (non-ideal count).

295500091100000 LAKE VERRET NEAR PIERRE PART, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECov. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
OCT 22...		2	3	1	1	9	<1	4	17	<10	15000	6
DATE	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	
OCT 22...	10	<10	750	<0.1	<0.01	10	72	7.6	<0.01	9	<0.1	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 22...	<1	<0.1	<1	<0.001	<0.1	<0.1	<1	<0.001	0.1	<0.001	0.5	
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 22...	<0.001	<0.1	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1		
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 22...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1		
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 22...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1		
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2, 4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)		
OCT 22...	<0.1	<1	<1	<10	<0.01	<0.1	0.02	<0.01	<0.01	<0.01		

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

295030091055600 LAKE VERRET NEAR GEORGIA, LA

LOCATION.--Lat 29°50'30", long 91°05'56", in T.14 S., R.13 E., Assumption Parish, Hydrologic Unit 08090302, 0.6 mi from landing at State Highway 401 and 6.7 mi east of Georgia.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCOCCIFECAL, KF AGAR (COLS. PER 100 ML)
OCT 22...	1130	268	8.20	26.0	5	10	7.6	5.3	<1	K5
JAN 15...	1130	253	8.30	12.0	20	6.0	12.6	3.6	K1	K1
APR 16...	1100	341	9.00	24.0	30	15	11.9	9.4	K1	<1
JUL 16...	1130	316	8.03	32.5	30	15	11.0	11	<1	<1

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 22...	94	25	7.7	15	2.9	83	18	19	0.2
JAN 15...	97	26	7.8	13	4.3	82	16	20	0.1
APR 16...	130	35	11	18	4.0	117	18	28	0.2
JUL 16...	120	32	10	17	3.7	108	21	22	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 22...	7.4	159	150	0.01	0.01	0.03	1.7	0.15	0.02
JAN 15...	8.2	148	140	0.04	0.04	0.04	1.0	0.10	0.03
APR 16...	1.1	200	190	0.01	0.01	0.02	1.8	0.17	0.01
JUL 16...	7.2	184	180	0.01	0.01	0.02	2.4	0.24	0.07

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295030091055600 LAKE VERRET NEAR GEORGIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
OCT 22...		1	<1	2	<1	20	<1	3	17	<10	16000	<5
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	
OCT 22...	20	<10	370	<0.1	<0.01	<10	64	8.3	<0.01	3	<0.1	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 22...	<1	<0.1	<1	<0.001	<0.1	<0.1	<1	<0.001	<0.1	<0.001	<0.1	
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 22...	<0.001	<0.1	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1		
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 22...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1		
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 22...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1		
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)		
OCT 22...	<0.1	<1	<1	<10	<0.01	<0.1	0.01	<0.01	<0.01	<0.01		

< Actual value is known to be less than the value shown.

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA

LOCATION.--Lat 29°43'01", long 91°10'57", in T.15 S., R.12 E., St. Mary Parish, Hydrologic Unit 08090302, 3.0 mi from State Highway 2 and 1.0 mi east of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975, 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 22...	1030	359	8.20	26.5	5	9.0	8.3	2.8	46	100
JAN 15...	1000	306	8.40	12.0	20	15	14.1	4.8	K2	K2
APR 15...	1100	376	8.10	23.0	20	90	10.4	4.7	<2	<1
JUL 15...	1045	314	7.80	32.5	30	20	10.4	10	K5	K5

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 22...	110	29	9.9	27	3.4	98	30	37	0.2
JAN 15...	120	31	9.6	15	4.2	96	19	24	0.2
APR 15...	150	39	12	22	3.6	116	34	28	0.2
JUL 15...	110	25	12	20	3.7	87	29	24	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 22...	7.6	219	200	0.01	0.01	0.04	1.2	0.10	0.02
JAN 15...	7.0	180	170	0.09	0.09	0.03	1.2	0.09	0.01
APR 15...	2.5	221	210	0.10	0.10	0.03	2.2	0.27	0.02
JUL 15...	8.2	173	170	0.01	0.01	0.05	2.2	0.15	0.01

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
OCT 22...	<1	2	1	1	9	<1	4	13	<10	13000	<5

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 22...	<10	10	210	<0.1	<0.01	10	60	7.9	<0.01	3	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 22...	<1	<0.1	<1	<0.001	<0.1	<0.1	<1	<0.001	<0.1	<0.001	<0.1
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 22...	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 22...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 22...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2, 4, 5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 22...	<0.1	<1	<1	<10	<0.01	<0.1	0.03	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA

LOCATION.--LAT 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 miles west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1973-85.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1985.

REMARKS.--Records for the 1986 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 02600.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons Apr. 6, 1978; minimum daily 1,000 tons Oct. 3, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
03...	1215	81800	132	29200	96
31...	1045	110000	401	119000	98
NOV					
21...	1015	140000	247	93400	93
28...	1115	131000	312	110000	96
JAN					
16...	1115	292000	434	342000	63
FEB					
06...	1100	113000	467	142000	96
13...	1345	125000	334	113000	93
27...	1345	159000	325	140000	91
MAR					
13...	1345	466000	449	565000	70
27...	1100	327000	414	366000	81
APR					
10...	1315	243000	285	187000	91
MAY					
01...	1045	199000	277	149000	94
08...	1245	184000	386	192000	93
22...	1345	149000	246	99000	93
JUN					
05...	1245	150000	263	107000	85
19...	1245	150000	524	212000	96
JUL					
10...	1245	121000	219	71500	92
24...	1230	102000	198	54500	96
AUG					
07...	1345	80900	283	61800	98
21...	1330	52700	168	23900	100
SEP					
18...	1245	88500	191	45600	92

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43000	106000	103000	227000	129000	184000	316000	149000	102000	115000	65000	33000
2	35000	105000	102000	234000	146000	216000	297000	157000	105000	101000	64000	36000
3	29000	101000	103000	238000	148000	246000	285000	161000	108000	90000	64000	39000
4	30000	96000	104000	247000	150000	279000	269000	169000	110000	86000	72000	42000
5	29000	91000	117000	267000	138000	331000	262000	173000	106000	84000	65000	46000
6	27000	86000	124000	273000	142000	387000	251000	189000	106000	79000	62000	48000
7	26000	95000	129000	276000	129000	449000	238000	196000	110000	73000	62000	50000
8	27000	116000	135000	266000	112000	---	228000	192000	125000	66000	55000	51000
9	29000	130000	135000	276000	125000	---	211000	170000	132000	60000	54000	53000
10	34000	143000	137000	292000	120000	---	187000	155000	129000	54000	48000	55000
11	41000	145000	135000	320000	116000	408000	161000	145000	131000	54000	43000	57000
12	43000	143000	132000	349000	122000	483000	157000	139000	144000	54000	38000	58000
13	45000	145000	128000	351000	113000	564000	161000	131000	148000	54000	34000	46000
14	47000	142000	116000	351000	108000	578000	161000	126000	147000	53000	31000	43000
15	52000	127000	101000	347000	113000	589000	160000	123000	157000	53000	30000	45000
16	52000	122000	99000	342000	121000	613000	164000	119000	161000	49000	29000	45000
17	52000	116000	96000	353000	122000	591000	163000	117000	173000	50000	29000	45000
18	57000	111000	93000	346000	130000	559000	163000	117000	201000	53000	27000	45000
19	58000	99000	92000	310000	131000	534000	164000	118000	212000	60000	29000	54000
20	62000	92000	99000	313000	139000	510000	173000	112000	193000	61000	27000	51000
21	69000	93000	109000	303000	150000	491000	171000	106000	176000	62000	24000	44000
22	---	95000	107000	280000	152000	471000	172000	99000	186000	63000	23000	40000
23	68000	105000	101000	229000	156000	459000	177000	100000	179000	61000	23000	39000
24	58000	103000	106000	203000	155000	428000	185000	97000	172000	63000	23000	35000
25	40000	95000	133000	191000	155000	406000	185000	95000	165000	64000	24000	44000
26	41000	93000	140000	177000	143000	391000	182000	92000	157000	73000	25000	49000
27	67000	96000	176000	170000	139000	365000	181000	92000	159000	76000	25000	48000
28	72000	103000	195000	168000	156000	362000	177000	82000	156000	78000	9000	45000
29	77000	104000	213000	170000	---	345000	171000	83000	135000	77000	10000	45000
30	109000	55000	218000	162000	---	342000	160000	90000	125000	65000	11000	45000
31	119000	---	223000	149000	---	329000	---	96000	---	64000	31000	---
TOTAL	1662000	3253000	4001000	8180000	3760000	12753000	5932000	3990000	4410000	2095000	1156000	1376000
MEAN	53600	108000	129000	264000	134000	411000	198000	129000	147000	67600	37300	45900
MAX	124000	145000	223000	353000	156000	613000	316000	196000	212000	115000	72000	58000
MIN	26000	55000	92000	149000	108000	184000	157000	82000	102000	49000	9000	33000
WTR YR 1985	TOTAL	52668000	MEAN	144000	MAX	613000	MIN	9000				

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

LOCATION.--Lat 30°58'57", long 91°47'54", in NE 1/4 SW 1/4 sec.7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, near right bank on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi east of town of Simmesport, 0.5 mi upstream from State Highway 1, and 4.9 mi downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi² (see REMARKS).

PERIOD OF RECORD.--Water years 1952-53, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to September 1984.

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

REMARKS.--Records for the 1986 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03045.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,240,000 tons Dec. 15, 1982; minimum daily, 2,000 tons Oct. 3-5, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
02...	1115	79300	133	28500	95
17...	1145	130000	224	78600	98
30...	0945	251000	822	557000	88
NOV					
14...	1215	228000	585	360000	83
27...	1230	271000	584	427000	76
DEC					
14...	1215	264000	333	237000	75
28...	1215	293000	504	399000	88
JAN					
15...	1215	391000	608	642000	67
29...	1215	224000	469	284000	76
FEB					
12...	1215	258000	889	619000	77
26...	1215	301000	493	400000	94
MAR					
12...	1215	453000	524	640000	92
26...	1215	461000	542	675000	76
APR					
09...	1245	391000	567	599000	87
23...	1215	405000	326	356000	75
MAY					
07...	1145	324000	878	768000	92
21...	1145	260000	485	340000	85
JUN					
04...	1115	187000	280	141000	97
25...	1145	221000	459	274000	98
JUL					
09...	1215	151000	243	98900	98
26...	1115	120000	228	73900	99
AUG					
06...	1115	90000	165	40100	95
20...	1145	78700	175	37300	99
SEP					
04...	1115	167000	256	115000	97
17...	1115	110000	197	58500	94

MISSISSIPPI RIVER DELTA

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07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75000	254000	274000	322000	197000	334000	460000	322000	201000	191000	93000	141000
2	77000	251000	273000	322000	198000	351000	442000	317000	201000	187000	88000	142000
3	81000	250000	271000	325000	197000	362000	428000	309000	189000	182000	90000	144000
4	82000	251000	267000	331000	197000	369000	405000	309000	183000	172000	89000	157000
5	82000	251000	274000	341000	189000	386000	400000	308000	184000	167000	88000	157000
6	82000	248000	278000	345000	191000	400000	404000	307000	182000	165000	84000	147000
7	77000	253000	282000	353000	191000	417000	403000	307000	175000	160000	86000	147000
8	81000	260000	286000	354000	189000	427000	400000	309000	174000	156000	90000	145000
9	85000	272000	285000	363000	202000	448000	402000	308000	169000	148000	95000	141000
10	94000	278000	283000	367000	208000	452000	402000	311000	166000	143000	84000	142000
11	108000	286000	279000	377000	216000	456000	402000	313000	176000	146000	83000	139000
12	116000	288000	270000	387000	238000	457000	406000	321000	179000	143000	86000	135000
13	117000	288000	264000	388000	250000	462000	412000	322000	193000	143000	87000	129000
14	120000	290000	254000	388000	252000	465000	412000	321000	193000	139000	105000	122000
15	127000	278000	240000	382000	255000	472000	410000	318000	204000	137000	---	115000
16	128000	262000	234000	379000	258000	473000	412000	312000	210000	134000	125000	109000
17	130000	263000	229000	377000	258000	474000	417000	302000	213000	133000	106000	104000
18	134000	263000	222000	371000	259000	474000	417000	292000	219000	127000	91000	106000
19	134000	263000	218000	354000	261000	482000	413000	281000	223000	136000	92000	104000
20	140000	257000	218000	348000	264000	484000	407000	273000	228000	138000	77000	98000
21	148000	257000	229000	343000	268000	487000	402000	253000	232000	137000	67000	94000
22	208000	257000	238000	326000	267000	484000	398000	242000	228000	137000	71000	93000
23	214000	257000	242000	292000	267000	483000	389000	237000	227000	127000	89000	93000
24	215000	263000	249000	282000	272000	483000	377000	232000	224000	123000	123000	90000
25	204000	262000	268000	264000	286000	483000	366000	226000	216000	123000	128000	80000
26	207000	257000	271000	249000	289000	477000	352000	226000	208000	122000	135000	78000
27	218000	262000	293000	235000	305000	477000	346000	224000	206000	116000	136000	77000
28	226000	267000	307000	229000	316000	472000	342000	225000	204000	112000	136000	77000
29	232000	275000	317000	224000	---	469000	342000	221000	202000	110000	137000	77000
30	251000	276000	319000	217000	---	469000	334000	213000	198000	103000	138000	84000
31	259000	---	320000	210000	---	468000	---	203000	---	97000	140000	---
TOTAL	4452000	7939000	8254000	10045000	6740000	13897000	11902000	8664000	6007000	4354000	3127000	3467000
MEAN	144000	265000	266000	324000	241000	448000	397000	279000	200000	140000	101000	116000
MAX	259000	290000	320000	388000	316000	487000	460000	322000	232000	191000	140000	157000
MIN	75000	248000	218000	210000	189000	334000	334000	203000	166000	97000	67000	77000
WTR YR 1985	TOTAL	88848000		MEAN	243000	MAX	487000	MIN	67000			

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW1/4NW1/4 sec.26, T.4 S., R.7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1981.

WATER TEMPERATURES: May 1979 to September 1981.

COOPERATION.--Discharge measured at Atchafalaya River at Simmesport, La. (station 07381490) and furnished by the Corps of Engineers, October 1985 to January 1986. Discharge measured by Geological Survey February 1986 to September 1986. Corps of Engineers station 03060.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 632 micromhos Oct. 8, 1981; minimum daily, 207 micromhos May 21, 1980.

WATER TEMPERATURES: Maximum daily, 32.0°C July 23, 24, 1981; minimum daily, 5.5°C Feb. 7, 1980, Jan. 22, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 5.0°C was observed on Jan. 30, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)
OCT												
30...	1055	257000	—	333	7.80	20.0	30	75	<1.0	7.9	1.0	34
NOV												
27...	1130	343000	—	372	7.30	14.5	15	150	<1.0	8.8	1.2	63
DEC												
18...	1100	437000	—	269	7.80	7.0	20	100	<1.0	9.8	1.7	32
JAN												
22...	1040	142000	—	426	7.90	6.5	10	45	<1.0	12.0	2.7	22
FEB												
26...	1300	—	316000	305	7.50	8.5	30	89	<1.0	11.6	1.6	29
MAR												
25...	1230	—	290000	383	7.60	11.5	10	60	<1.0	10.4	2.1	42
APR												
24...	1015	—	228000	361	7.70	18.0	20	52	<1.0	8.8	1.3	45
MAY												
28...	1130	—	281000	371	7.90	23.0	15	100	<1.0	7.2	0.4	35
JUN												
25...	0945	—	228000	388	7.20	29.0	20	130	<1.0	6.6	0.6	35
JUL												
29...	1130	—	172000	410	7.80	33.0	50	170	<1.0	6.4	1.1	50
AUG												
20...	1030	—	97600	564	7.80	29.5	10	21	<1.0	7.5	1.8	18
SEP												
17...	1250	—	79400	542	8.00	28.0	20	30	<1.0	8.1	1.2	22

< Actual value is known to be less than the value shown.

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 30...	560	230	1200	100	28	8.2	23	3.5	90	29	30	0.2
NOV 27...	2100	330	230	130	37	10	23	4.2	86	53	30	—
DEC 18...	4500	460	620	100	28	7.6	12	3.3	69	30	17	0.2
JAN 22...	2200	110	40	170	45	14	20	3.0	128	44	28	—
FEB 26...	700	K52	K75	110	31	8.9	14	2.7	73	39	23	0.2
MAR 25...	440	K52	K60	140	38	11	19	2.9	98	47	26	—
APR 24...	1000	96	120	120	33	9.8	19	3.3	95	35	24	0.1
MAY 28...	1000	K170	600	130	35	11	18	2.9	97	47	15	—
JUN 25...	K600	K26	K28	130	35	10	23	3.3	91	42	29	0.2
JUL 29...	K180	120	K6	140	38	12	22	3.8	107	46	25	—
AUG 20...	320	52	K4	200	53	17	37	3.7	152	64	45	0.2
SEP 17...	380	K48	K72	190	48	16	36	4.2	146	67	39	—

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 30...	7.0	200	180	550	0.05	0.02	0.8	0.85	0.10	0.04	1.3	0.6
NOV 27...	—	—	—	412	0.01	—	1.1	—	—	—	—	0.55
DEC 18...	7.7	146	150	378	0.03	0.01	1.1	1.1	0.07	0.05	0.8	0.6
JAN 22...	—	—	—	71	0.02	—	1.4	—	—	—	—	0.58
FEB 26...	7.1	174	170	172	0.02	0.02	1.4	1.4	0.07	0.07	0.6	0.6
MAR 25...	—	—	—	246	0.05	—	1.8	—	—	—	—	0.73
APR 24...	7.3	205	190	300	0.02	0.02	1.5	1.4	0.06	0.04	1.1	0.6
MAY 28...	—	—	—	140	0.04	—	1.3	—	—	—	—	0.37
JUN 25...	6.5	209	200	288	0.02	<0.01	1.4	1.4	0.07	0.06	1.0	0.8
JUL 29...	—	—	—	280	0.03	—	1.6	—	—	—	—	1.6
AUG 20...	5.9	325	320	88	<0.01	0.01	1.1	1.1	0.04	0.05	0.8	0.7
SEP 17...	—	—	—	87	0.01	—	0.8	—	—	—	—	0.62

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
OCT 30...	0.34	0.07	0.05	<10	2	1	66	<10	0.9	2	<1	<1
NOV 27...	0.45	—	—	—	4	1	—	<10	<0.5	<1	<1	—
DEC 18...	0.14	0.05	0.03	—	2	1	—	<10	<0.5	<1	<1	—
JAN 22...	0.16	—	—	—	2	1	—	<10	<0.5	<1	<1	—
FEB 26...	0.15	0.04	0.03	50	3	<1	50	<10	<0.5	1	<1	<1
MAR 25...	0.29	—	—	—	2	1	—	<10	<0.5	<1	<1	—
APR 24...	0.24	0.06	0.05	—	3	—	60	<10	<0.5	<1	<1	<1
MAY 28...	0.23	—	—	—	4	1	—	<10	<0.5	3	<1	—
JUN 25...	0.16	0.07	0.06	—	3	1	—	<10	<0.5	1	2	—
JUL 29...	0.52	—	—	—	5	2	—	<10	0.7	2	2	—
AUG 20...	0.11	0.08	0.08	—	3	—	—	<10	—	<1	—	—
SEP 17...	0.20	—	—	—	3	2	—	<10	<0.5	<1	<1	—

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
OCT 30...	<10	<1	<3	30	6	37	25	<5	<4	2	<0.1	<0.1
NOV 27...	40	<1	—	23	5	30	18	<5	—	—	0.1	<0.1
DEC 18...	<10	<1	—	11	4	63	8	<5	—	—	<0.1	<0.1
JAN 22...	<10	<1	—	10	7	37	9	<5	—	—	<0.1	0.2
FEB 26...	10	<1	<3	18	10	83	9	<5	6	6	0.1	<0.1
MAR 25...	<10	<1	—	11	5	40	22	<5	—	—	<0.1	<0.1
APR 24...	10	<1	<3	17	4	57	6	<5	9	1	<0.1	<0.1
MAY 28...	20	<1	—	19	4	29	10	<5	—	—	<0.1	<0.1
JUN 25...	20	<1	—	24	6	22	10	<5	—	—	<0.1	<0.1
JUL 29...	20	<1	—	14	7	11	16	<5	—	—	<0.1	0.4
AUG 20...	<10	<1	—	5	—	—	7	—	—	—	—	<0.1
SEP 17...	<10	<1	—	20	9	7	6	<5	—	—	<0.1	0.2

< Actual value is known to be less than the value shown.

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)
OCT 30...	<10	20	1	<1	<1	<1	<6	50	10	11	<0.01	5
NOV 27...	—	21	2	<1	<1	—	2	80	12	12	<0.01	2
DEC 18...	—	13	1	<1	<1	—	1	40	4	9.5	<0.01	1
JAN 22...	—	5	<1	<1	<1	—	1	30	10	4.4	<0.01	4
FEB 26...	<10	16	8	<1	<1	<1	<6	60	9	8.0	<0.01	<1
MAR 25...	—	7	3	<1	<1	—	<1	40	11	7.4	<0.01	<1
APR 24...	<10	13	1	1	<1	<1	<6	60	4	9.1	<0.01	<1
MAY 28...	—	18	3	1	<1	—	1	50	12	9.9	<0.01	2
JUN 25...	—	9	3	<1	<1	—	1	50	8	7.4	<0.01	4
JUL 29...	—	23	7	<1	1	—	3	390	14	13	<0.01	6
AUG 20...	—	4	—	<1	—	—	—	<10	—	6.6	<0.01	1
SEP 17...	—	6	4	<1	<1	—	2	30	28	4.6	<0.01	3

DATE	OIL AND GREASE, TOTAL RECOV- ERABLE GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT 30...	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001
NOV 27...	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
DEC 18...	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	0.002	<0.001	<0.001
JAN 22...	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
FEB 26...	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
MAR 25...	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001
APR 24...	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
MAY 28...	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	0.005	<0.001	<0.001
JUN 25...	4	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001	<0.01	0.003	<0.001	<0.001
JUL 29...	2	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	0.006	<0.001	<0.001
AUG 20...	3	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	0.005	<0.001	<0.001
SEP 17...	2	—	—	—	—	—	—	—	—	—	—	—

< Actual value is known to be less than the value shown.

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
OCT 30...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
NOV 27...	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
DEC 18...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<1.0
JAN 22...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
FEB 26...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
MAR 25...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
APR 24...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
MAY 28...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
JUN 25...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
JUL 29...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
AUG 20...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 30...	<1	<0.01	0.05	<0.01	<0.01	<0.01	2.4	0.4	453	314000	84
NOV 27...	<1	<0.01	0.02	<0.01	<0.01	<0.01	2.0	0.3	621	575000	71
DEC 18...	<1	<0.01	<0.01	<0.01	<0.01	<0.01	1.3	0.2	433	511000	69
JAN 22...	<1	<0.01	0.03	<0.01	<0.01	<0.01	3.4	0.2	93	35700	93
FEB 26...	<1	<0.01	0.02	<0.01	<0.01	<0.01	5.6	0.3	246	210000	73
MAR 25...	<1	<0.01	0.02	<0.01	<0.01	<0.01	3.4	0.3	258	202000	74
APR 24...	<1	<0.01	0.06	<0.01	<0.01	<0.01	0.7	<0.1	325	200000	91
MAY 28...	<1	<0.01	0.06	<0.01	<0.01	<0.01	1.1	0.3	566	429000	90
JUN 25...	<1	<0.01	0.02	<0.01	<0.01	<0.01	1.8	0.3	320	197000	91
JUL 29...	<1	<0.01	<0.01	<0.01	<0.01	<0.01	1.0	<0.1	619	287000	96
AUG 20...	<1	<0.01	0.02	<0.01	<0.01	<0.01	13	0.7	60	15800	92
SEP 17...	--	--	--	--	--	--	19	1.8	84	18000	98

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in lot 56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101 at Southern Railways System Bridge, 160 ft downstream from State Highway 90, 0.4 mi downstream from Bayou Teche, 0.5 mi west of Calumet, and 9.8 mi west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to June 1975 (discharge measurements only), October 1976 to May 1986 (elevations and discharge measurements only), June 1986 to current year. Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.80 ft June 6, 1983, minimum, -1.01 ft Jan. 17, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since 1942, 11.02 ft, present datum, May 27, 1973, minimum, -2.82 ft, present datum, Oct. 18, 1948 (from records of Corps of Engineers, New Orleans district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge measured, 152,000 ft³/s Dec. 10; maximum elevation, 6.29 ft Oct. 28; minimum discharge recorded, 25,800 ft³/s Sept. 11; minimum elevation, 0.23 ft Aug. 19.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
Oct. 15, 1985.....	60,300	Feb. 11.....	81,500	June 10.....	110,000
Nov. 12.....	87,900	Mar. 11.....	94,700	July 15.....	67,600
Dec. 10.....	152,000	Apr. 15.....	93,400	Aug. 12.....	43,300
Jan. 14, 1986.....	74,900	May 13.....	74,900	Sept. 9.....	49,300

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									122000	96100	66200	37500
2									124000	92000	61400	32200
3									123000	80200	56700	38400
4									123000	75100	53600	39400
5									123000	74000	52400	40000
6									124000	73900	50500	41400
7									125000	70900	53100	41000
8									121000	66500	50600	37300
9									120000	64700	49500	39300
10									121000	64700	48500	32300
11									124000	68700	51500	25800
12									126000	72000	43300	34000
13									127000	70100	41000	37100
14									128000	68500	38700	33200
15									128000	71900	36100	36400
16									127000	72700	37100	39700
17									127000	70400	37400	37900
18									123000	68700	40000	38200
19									119000	69900	32300	36300
20									118000	71500	28800	38700
21									116000	72300	29400	40600
22									114000	76100	29400	41400
23									114000	80100	32500	42000
24									114000	82000	39900	42300
25									103000	83600	37300	44800
26									100000	83500	39800	47900
27									102000	81800	39400	49600
28									99200	80200	42400	48800
29									96400	78200	42600	47000
30									97300	71600	39600	51000
31									---	68900	38100	---
TOTAL									3528900	2320800	1339100	1191500
MEAN									117600	74860	43200	39720
MAX									128000	96100	66200	51000
MIN									96400	64700	28800	25800

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS DISCHARGE AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	3.45	4.92	4.58	1.74	3.25	3.58	3.06	3.83	3.37	2.00	2.37
2	2.31	3.64	4.53	4.30	1.51	3.32	3.55	2.95	3.99	3.25	2.08	2.83
3	2.07	3.47	4.56	4.05	1.55	3.22	3.80	2.71	4.05	3.00	2.25	2.70
4	2.26	3.14	4.81	3.91	1.82	3.17	3.81	2.85	4.12	2.80	2.20	2.53
5	1.32	2.99	4.90	3.39	2.02	3.04	3.67	3.33	4.26	3.05	2.24	2.28
6	1.67	2.99	4.81	3.15	2.23	3.31	3.46	3.36	4.33	2.94	2.37	2.03
7	2.09	2.98	4.90	3.24	1.87	3.02	3.30	3.51	4.28	2.73	2.27	2.02
8	2.65	2.64	5.03	2.72	2.32	3.17	3.28	3.39	4.20	2.59	2.24	1.82
9	2.12	3.03	5.11	2.58	2.20	3.08	2.93	3.24	4.26	2.71	2.26	2.11
10	2.48	2.92	5.26	2.73	2.52	3.22	2.97	3.03	4.25	2.96	1.99	2.45
11	2.08	2.85	5.46	2.34	2.04	3.15	3.23	2.99	4.10	2.91	1.78	2.97
12	2.12	2.71	5.70	2.53	2.29	3.64	3.48	3.24	3.75	2.80	1.87	2.73
13	2.12	2.80	5.68	2.24	2.54	3.04	3.12	2.83	3.71	2.43	1.97	2.38
14	2.23	2.92	5.57	2.07	3.26	3.18	3.43	2.77	3.63	2.21	2.32	2.47
15	2.27	3.04	5.41	2.17	2.98	3.09	2.75	2.85	3.67	2.25	2.53	2.57
16	2.22	3.17	5.47	2.03	3.30	2.36	2.46	3.04	3.70	2.35	2.57	2.21
17	2.46	3.23	5.48	2.05	3.50	2.29	2.56	3.01	3.73	2.42	2.57	2.39
18	2.98	3.25	5.61	1.72	3.48	2.80	2.88	3.39	3.88	2.57	1.97	2.35
19	2.92	3.46	5.45	1.53	3.57	2.73	2.97	2.61	3.98	2.70	1.62	2.19
20	3.06	3.10	5.52	1.34	3.66	2.24	3.38	2.24	4.03	2.61	1.66	2.35
21	2.92	2.60	5.35	1.30	3.75	2.30	2.93	2.90	3.92	2.66	1.84	2.21
22	3.12	3.13	5.44	1.21	3.86	2.31	2.76	3.41	3.87	2.72	1.93	2.27
23	3.25	3.58	5.56	1.02	3.61	2.67	2.69	4.00	3.83	2.52	1.91	2.12
24	3.03	3.41	5.47	1.24	3.99	2.87	3.07	3.68	3.60	2.59	1.74	2.73
25	2.74	3.71	5.36	1.59	3.82	3.08	3.29	3.48	3.83	2.45	1.42	2.95
26	2.74	3.96	5.16	1.28	3.90	3.36	3.37	3.56	4.10	2.26	1.63	2.64
27	2.88	4.15	5.22	.69	3.80	3.49	3.52	3.43	3.52	2.25	1.73	2.60
28	5.13	4.44	5.22	1.39	3.45	3.48	3.33	3.44	3.01	2.26	1.89	2.70
29	5.24	4.49	5.03	1.33	---	3.68	3.09	3.36	3.02	2.29	1.67	2.94
30	4.33	4.66	4.96	1.47	---	3.68	3.02	3.47	3.34	2.19	2.22	2.82
31	3.31	---	4.85	1.70	---	3.66	---	3.67	---	2.12	2.34	---
MAX	5.24	4.66	5.70	4.58	3.99	3.68	3.81	4.00	4.33	3.37	2.57	2.97
MIN	1.32	2.60	4.53	.69	1.51	2.24	2.46	2.24	3.01	2.12	1.42	1.82

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959-60, 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to September 1984.

CHLORIDE-SURFACE: October 1974 to September 1984.

CHLORIDE-25 FT DEPTH: December 1980 to September 1984.

CHLORIDE-45 FT DEPTH: December 1980 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 33.0°C July 20, 1978; minimum daily, 2.0°C Jan. 4, 5, 1984.

CHLORIDE-SURFACE: Maximum daily, 150 mg/L June 13, 14, 1977; minimum daily, 9.1 mg/L Apr. 15, 1976.

CHLORIDE-25 FT DEPTH: Maximum daily, 110 mg/L Nov. 5, 7, 8, 10, 11, 1981; minimum daily, 12 mg/L

May 27, 1984.

CHLORIDE-45 FT DEPTH: Maximum daily, 110 mg/L Mar. 8, Nov. 5, 7, 8, 10, 11, 1981; minimum daily, 12 mg/L

May 27, 28, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)
OCT 15...	1245	60300	475	8.00	22.0	5	25	<1.0	8.3	--	13
NOV 12...	1515	87900	378	7.40	17.5	30	65	<1.0	7.7	1.6	43
DEC 10...	1130	152000	302	7.60	10.5	30	140	<1.0	9.4	1.5	48
JAN 14...	1130	74900	346	7.60	6.0	10	50	<1.0	12.1	3.3	24
FEB 11...	1200	81500	407	7.70	9.0	20	120	<1.0	9.5	1.7	45
MAR 11...	1300	94700	330	7.40	11.5	15	55	<1.0	10.8	2.3	39
APR 15...	1230	93400	371	7.80	21.0	30	150	<1.0	8.0	1.3	45
MAY 13...	1200	74900	372	7.80	23.0	15	65	<1.0	7.7	0.8	25
JUN 10...	1240	110000	390	7.80	28.0	15	100	<1.0	6.6	0.2	28
JUL 15...	1315	67600	420	7.90	30.5	20	65	<1.0	6.3	1.0	40
AUG 12...	1300	43300	479	7.90	30.0	10	36	<1.0	6.6	0.9	25
SEP 09...	1315	49300	489	7.90	27.5	5	23	<1.0	7.4	2.5	27

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 15...	270	20	160	41	14	29	3.6	124	64	30	54
NOV 12...	110	K26	100	28	8.3	29	4.1	71	37	41	120
DEC 10...	430	110	120	33	8.9	14	3.3	86	35	22	328
JAN 14...	480	K4	130	33	11	16	3.0	97	36	24	74
FEB 11...	720	K75	140	36	11	23	2.9	88	47	32	336
MAR 11...	230	K2	130	35	10	15	2.6	87	46	19	96
APR 15...	130	24	130	36	10	20	3.1	102	31	28	300
MAY 13...	80	K3	140	36	11	18	3.3	101	39	23	102
JUN 10...	K180	<10	150	39	12	26	3.3	104	51	32	—
JUL 15...	K65	K2	140	36	12	23	3.1	109	48	30	138
AUG 12...	120	K7	180	47	15	23	3.7	136	53	26	122
SEP 09...	96	42	180	46	16	30	4.0	137	58	31	48

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 15...	0.01	0.81	0.36	0.17	2	2	<10	1	2	2	20
NOV 12...	0.02	0.67	0.41	0.18	2	1	<10	<0.5	1	<1	<10
DEC 10...	0.02	1.1	0.50	0.31	2	1	<10	<0.5	<1	<1	<10
JAN 14...	0.02	1.1	0.68	0.13	1	<1	<10	<0.5	1	<1	<10
FEB 11...	0.04	1.1	0.58	0.16	2	<1	<10	<0.5	1	<1	20
MAR 11...	0.02	1.4	0.57	0.21	1	<1	<10	<0.5	1	<1	<10
APR 15...	<0.01	2.0	1.2	0.29	3	1	<10	<0.5	1	<1	<10
MAY 13...	0.01	1.2	0.56	0.09	2	1	<10	<0.5	<1	<1	10
JUN 10...	0.03	2.0	0.39	0.29	3	1	<10	<0.5	<1	<1	10
JUL 15...	0.01	1.4	0.72	0.23	2	2	<10	<0.5	<1	<1	10
AUG 12...	0.01	2.0	0.67	0.24	3	2	<10	0.7	<1	<1	<10
SEP 09...	0.01	1.1	0.62	0.18	2	2	<10	<0.5	<1	2	<10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CHROMIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 15...	<1	10	5	10	10	<5	0.1	0.1	9	3	<1
NOV 12...	<1	12	5	57	5	<5	<0.1	0.2	9	2	<1
DEC 10...	<1	14	5	61	8	<5	<0.1	0.2	10	2	<1
JAN 14...	<1	3	3	76	<5	<5	0.2	—	5	1	<1
FEB 11...	<1	9	6	140	5	<5	<0.1	<0.1	18	3	<1
MAR 11...	<1	10	3	50	<5	<5	<0.1	0.2	14	2	<1
APR 15...	<1	15	6	41	6	<5	<0.1	<0.1	22	2	<1
MAY 13...	<1	19	8	56	<5	<5	<0.1	<0.1	15	1	<1
JUN 10...	<1	17	5	21	12	<5	<0.1	<0.1	12	2	1
JUL 15...	<1	14	5	<3	7	<5	<0.1	0.2	8	5	<1
AUG 12...	<1	13	3	5	<5	<5	—	<0.1	6	2	<1
SEP 09...	<1	13	3	7	<5	<5	<0.1	<0.1	6	3	<1

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)
OCT 15...	<1	2	70	17	4.9	<0.01	<1	1	<0.1	<0.1	<0.001
NOV 12...	<1	1	40	13	7.5	<0.01	9	<1	<0.1	<0.1	<0.001
DEC 10...	<1	<1	50	10	8.4	<0.01	<1	1	<0.1	<0.1	<0.001
JAN 14...	<1	1	30	13	4.5	<0.01	2	8	<0.1	<0.1	<0.001
FEB 11...	<1	2	40	11	11	<0.01	1	2	<0.1	<0.1	<0.001
MAR 11...	<1	2	50	11	6.4	<0.01	<1	2	<0.1	<0.1	<0.001
APR 15...	<1	1	50	11	8.3	<0.01	2	1	<0.1	<0.1	<0.001
MAY 13...	<1	1	20	19	9.9	<0.01	3	1	<0.1	<0.1	<0.001
JUN 10...	<1	1	40	15	7.9	<0.01	<1	3	<0.1	<0.1	<0.001
JUL 15...	<1	2	20	9	7.3	<0.01	<1	7	<0.1	<0.1	<0.001
AUG 12...	<1	2	30	9	5.2	<0.01	2	2	—	—	—
SEP 09...	<1	2	60	15	5.7	<0.01	7	3	—	—	—

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 15...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001
NOV 12...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001
DEC 10...	<0.1	<0.001	<0.001	<0.001	<0.01	0.005	<0.001	<0.001	<0.01	<0.001
JAN 14...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001
FEB 11...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001
MAR 11...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001
APR 15...	<0.1	<0.001	0.001	<0.001	0.01	0.001	<0.001	<0.001	<0.01	<0.001
MAY 13...	<0.1	<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001	<0.01	<0.001
JUN 10...	<0.1	<0.001	0.002	<0.001	<0.01	0.002	<0.001	<0.001	<0.01	<0.001
JUL 15...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT 15...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
NOV 12...	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
DEC 10...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
JAN 14...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
FEB 11...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
MAR 11...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
APR 15...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
MAY 13...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
JUN 10...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
JUL 15...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TOTAL TRI- THION (UG/L)	2, 4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2, 4, 5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 15...	<0.01	<0.01	<0.01	<0.01	<0.01	7.4	0.6	191	31100	100
NOV 12...	<0.01	0.05	<0.01	<0.01	<0.01	3.9	0.4	401	95200	79
DEC 10...	<0.01	0.01	<0.01	<0.01	<0.01	1.8	0.3	491	202000	76
JAN 14...	<0.01	0.04	<0.01	<0.01	<0.01	1.2	0.1	177	35800	98
FEB 11...	<0.01	0.05	<0.01	<0.01	<0.01	9.8	0.6	472	104000	96
MAR 11...	<0.01	0.04	<0.01	<0.01	<0.01	6.7	0.4	194	49600	93
APR 15...	<0.01	0.05	<0.01	<0.01	<0.01	2.8	0.3	395	99600	100
MAY 13...	<0.01	0.02	<0.01	<0.01	<0.01	14	1.0	289	58400	97
JUN 10...	<0.01	0.05	<0.01	<0.01	<0.01	1.9	0.2	378	112000	95
JUL 15...	<0.01	0.02	<0.01	<0.01	<0.01	14	0.9	206	37600	99
AUG 12...	—	<0.01	<0.01	<0.01	<0.01	6.3	0.6	255	29800	100
SEP 09...	—	—	—	—	—	1.8	0.1	149	19800	100

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°42'09", long 91°12'07", on line between lots 1 and 6, St. Mary Parish, Hydrologic Unit 08080101 near center of span on downstream side of Southern Railways System bridge at Morgan City, 0.3 mi downstream from U.S. Highway 90, 0.3 mi upstream from Bayou Boeuf, and 1.0 mi southwest of Morgan City High School.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year (elevation and discharge measurements only). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district, and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is NGVD (National Geodetic Vertical Datum of 1929). Prior to October 1984 at datum 0.34 ft higher and prior to July 1983 at 0.17 ft higher. Prior to October 1981 at NGVD.

REMARKS.--Discharge and elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.11 ft June 7, 1983, from Corps of Engineers records; minimum, -0.94 ft Nov. 29, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached an elevation of 10.53 ft, from incomplete record, discharge not determined. Maximum discharge observed during flood of June 8, 1927, 741,000 ft³/s. Minimum elevation, -5.44 Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans district.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.35 ft Oct. 28; minimum, 0.18 ft Aug. 19.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
Oct. 16, 1985.....	96,700	Feb. 12.....	115,000	June 11.....	134,000
Nov. 13.....	149,000	Mar. 12.....	108,000	July 16.....	98,800
Dec. 11.....	231,000	Apr. 16.....	145,000	Aug. 13.....	74,900
Jan. 15, 1986.....	96,200	May. 14.....	84,300	Sept. 10.....	63,700

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.58	3.18	4.16	4.10	1.44	2.75	2.94	2.70	3.23	3.06	1.87	2.22
2	2.19	3.34	3.74	3.98	1.29	2.82	2.95	2.57	3.30	2.97	2.01	2.69
3	2.01	3.25	3.80	3.80	1.31	2.72	3.19	2.58	3.40	2.79	2.29	2.58
4	2.14	2.89	4.02	3.62	1.65	2.70	3.26	2.72	3.51	2.60	2.21	2.46
5	1.47	2.74	4.18	3.23	1.89	2.58	3.24	2.76	3.63	2.86	2.18	2.20
6	1.61	2.74	4.02	3.06	2.14	2.89	3.10	2.82	3.76	2.84	2.21	1.94
7	1.88	2.67	4.15	3.10	1.75	2.61	2.99	2.79	3.75	2.55	2.11	1.96
8	2.47	2.34	4.26	2.69	2.18	2.79	2.99	2.55	3.70	2.35	1.96	1.70
9	1.99	2.73	4.34	2.54	2.08	2.73	2.69	2.58	3.71	2.44	1.89	1.97
10	2.39	2.71	4.50	2.67	2.30	2.84	2.67	2.40	3.74	2.63	1.73	2.30
11	2.01	2.66	4.65	2.34	1.89	2.83	2.82	2.38	3.54	2.62	1.51	2.81
12	2.05	2.57	4.80	2.47	1.92	3.34	3.00	2.57	3.26	2.52	1.72	2.71
13	2.05	2.66	4.91	2.16	2.04	2.73	2.74	2.28	3.26	2.19	1.76	2.33
14	2.13	2.69	4.64	1.99	2.61	2.92	2.87	2.16	3.09	1.93	2.14	2.42
15	2.18	2.79	4.72	2.05	2.42	2.74	2.51	2.53	3.15	2.03	2.45	2.49
16	2.09	2.85	4.72	1.83	2.71	2.22	2.21	2.75	3.15	2.06	2.44	2.23
17	2.28	2.84	4.76	1.79	2.83	2.09	2.25	2.61	3.22	2.24	2.50	2.37
18	2.76	2.87	4.78	1.63	2.82	2.41	2.46	3.10	3.30	2.35	1.98	2.31
19	2.71	3.12	4.64	1.48	2.90	2.54	2.58	2.55	3.39	2.48	1.49	2.16
20	2.82	2.71	4.76	1.29	2.99	1.99	3.05	2.13	3.49	2.41	1.56	2.27
21	2.75	2.31	4.67	1.24	3.06	1.98	2.67	2.65	3.46	2.47	1.71	2.15
22	2.88	2.67	4.69	1.13	3.13	1.92	2.48	3.13	3.41	2.42	1.68	2.18
23	2.96	3.01	4.71	.98	2.95	2.21	2.40	3.57	3.39	2.18	1.71	2.09
24	2.79	2.82	4.76	1.18	3.29	2.35	2.71	3.30	3.17	2.19	1.66	2.63
25	2.55	3.07	4.65	1.45	3.16	2.58	2.94	3.06	3.29	2.03	1.32	2.77
26	2.53	3.25	4.56	1.29	3.31	2.76	2.95	3.08	3.57	1.92	1.48	2.53
27	2.72	3.38	4.62	.68	3.30	2.87	3.03	2.96	3.13	1.84	1.60	2.50
28	4.19	3.59	4.68	1.27	3.00	2.85	2.86	2.92	2.82	1.91	1.79	2.62
29	4.95	3.69	4.59	1.19	---	2.92	2.66	2.77	2.75	2.05	1.38	2.82
30	3.99	3.88	4.53	1.30	---	2.92	2.66	2.91	3.01	2.01	2.15	2.67
31	3.18	---	4.45	1.48	---	2.96	---	3.04	---	1.92	2.22	---
MAX	4.95	3.88	4.91	4.10	3.31	3.34	3.26	3.57	3.76	3.06	2.50	2.82
MIN	1.47	2.31	3.74	.68	1.29	1.92	2.21	2.13	2.75	1.84	1.32	1.70

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1981.
 WATER TEMPERATURES: October 1976 to September 1984.
 CHLORIDE--SURFACE: October 1974 to September 1984.
 CHLORIDE--25 FT DEPTH: October 1980 to September 1984.
 CHLORIDE--45 FT DEPTH: October 1980 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 622 micromhos Jan. 21, 1981; minimum daily, 179 micromhos Feb. 23, 1979.
 WATER TEMPERATURES: Maximum daily, 32.0°C July 28, 1977; minimum daily, 4.0°C Feb. 9-11, 1978.
 CHLORIDE--SURFACE: Maximum daily, 160 mg/L June 14-16, 1977; minimum daily, 11 mg/L Jan. 6, May 10, 1975.
 CHLORIDE--25 FT DEPTH: Maximum daily, 120 mg/L Nov. 5, 1981; minimum daily, 16 mg/L Dec. 26, 29, 1982, many days during Jan., Feb. 14, 1983.
 CHLORIDE--45 FT DEPTH: Maximum daily, 130 mg/L Dec. 9, 1981; minimum daily, 14 mg/L Jan. 26, Mar. 1, May 27, 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT												
16...	0925	96700	458	8.00	21.5	5	31	<1.0	8.6	0.5	10	200
NOV												
13...	1010	149000	373	7.70	17.0	30	60	<1.0	7.3	1.4	22	120
DEC												
11...	0900	231000	308	7.60	10.5	15	100	<1.0	9.5	1.0	32	1200
JAN												
15...	0900	96200	382	7.80	5.5	30	50	<1.0	12.0	3.2	17	820
FEB												
12...	1045	115000	443	7.50	8.0	20	170	<1.0	9.3	1.7	41	1600
MAR												
12...	0900	108000	339	7.50	12.0	5	45	<1.0	11.0	1.3	40	300
APR												
16...	0900	145000	372	7.80	21.0	20	79	<1.0	8.2	1.4	21	420
MAY												
14...	0930	84200	374	7.50	23.0	10	45	<1.0	8.1	1.7	34	120
JUN												
11...	0900	134000	417	7.70	26.0	20	20	<1.0	6.3	0.3	22	K750
JUL												
16...	0845	98800	422	8.00	31.0	20	70	<1.0	6.2	1.1	32	88
AUG												
13...	0930	75900	488	8.00	28.0	15	36	<1.0	6.5	1.3	32	K75
SEP												
10...	0930	63700	517	8.00	27.5	10	21	<1.0	7.9	2.0	22	120

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 16...	120	K28	160	40	14	28	3.5	127	54	30	0.3	6.0
NOV 13...	38	96	110	28	8.7	28	4.1	83	36	39	—	—
DEC 11...	210	180	120	34	9.5	15	3.6	84	36	22	0.1	7.7
JAN 15...	30	K16	140	36	11	17	3.1	89	30	23	0.1	—
FEB 12...	290	60	140	39	11	30	3.0	86	49	47	0.1	7.1
MAR 12...	K8	K28	130	35	10	15	2.7	89	40	20	—	—
APR 16...	50	52	130	36	10	20	2.8	100	29	29	0.2	6.8
MAY 14...	22	K4	140	37	12	19	3.1	103	40	25	—	—
JUN 11...	K24	420	140	39	11	27	3.1	102	45	34	0.2	6.3
JUL 16...	K15	K28	150	39	13	24	2.9	107	45	27	—	—
AUG 13...	26	<4	180	48	15	25	4.3	145	58	28	0.2	8.9
SEP 10...	37	K13	190	47	17	32	4.0	139	58	36	—	—

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 16..	267	250	60	<0.01	<0.01	0.70	0.65	<0.01	<0.01	0.6	0.3	0.14
NOV 13...	—	—	129	0.02	—	0.62	—	—	—	—	0.37	0.18
DEC 11...	175	180	276	0.02	0.01	1.2	1.2	0.06	0.06	1.1	0.7	0.19
JAN 15...	—	—	80	0.02	—	1.0	—	—	—	—	0.47	0.12
FEB 12...	251	240	740	0.04	<0.02	1.0	0.90	0.13	0.12	1.3	1.1	0.13
MAR 12...	—	—	100	0.03	—	1.6	—	—	—	—	0.53	0.22
APR 16...	221	200	228	0.03	0.01	1.6	1.6	0.05	0.03	1.0	0.5	0.13
MAY 14...	—	—	114	<0.01	—	1.2	—	—	—	—	0.12	0.09
JUN 11...	232	220	301	<0.01	<0.01	1.6	1.5	0.01	0.01	0.6	0.3	0.27
JUL 16...	—	—	177	0.01	—	1.4	—	—	—	—	0.58	0.25
AUG 13...	295	270	54	0.02	<0.01	2.1	2.0	0.03	0.04	0.9	0.5	0.18
SEP 10...	—	—	30	<0.01	—	1.1	—	—	—	—	0.64	0.15

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 16...	0.09	—	<10	2	2	76	<10	1	2	2	<1	<1
NOV 13...	—	—	—	2	1	—	—	<0.5	—	<1	—	<1
DEC 11...	0.04	0.04	—	2	1	—	<10	<0.5	<1	<1	—	<1
JAN 15...	—	—	—	1	<1	—	<10	<0.5	1	<1	—	<1
FEB 12...	0.06	0.04	60	3	<1	79	<10	<0.5	<1	<1	<1	<1
MAR 12...	—	—	—	1	<1	—	<10	<0.5	<1	<1	—	<1
APR 16...	0.06	0.05	40	2	<1	68	<10	<0.5	<1	<1	<1	<1
MAY 14...	—	—	—	2	1	—	<10	<0.5	<1	<1	—	<1
JUN 11...	0.06	0.04	—	3	1	—	<10	<0.5	<1	<1	—	<1
JUL 16...	0.04	—	—	2	2	—	<10	2	<1	1	—	<1
AUG 13...	0.14	0.13	—	3	—	—	10	—	<1	—	—	<1
SEP 10...	—	—	—	2	2	—	<10	<0.5	<1	<1	—	<1

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)
OCT 16...	<3	11	5	12	5	<5	<4	4	<0.1	<0.1	<10	10
NOV 13...	—	—	5	65	—	<5	—	—	<0.1	<0.1	—	—
DEC 11...	—	11	3	48	6	<5	—	—	<0.1	0.2	—	14
JAN 15...	—	7	3	79	<5	<5	—	—	0.1	0.1	—	2
FEB 12...	<3	13	6	48	8	<5	10	3	<0.1	0.1	<10	2
MAR 12...	—	5	4	33	5	<5	—	—	<0.1	<0.1	—	5
APR 16...	<3	21	5	67	<5	<5	8	8	<0.1	<0.1	<10	9
MAY 14...	—	19	5	11	6	<5	—	—	<0.1	<0.1	—	11
JUN 11...	—	19	3	14	8	<5	—	—	<0.1	<0.1	—	16
JUL 16...	—	15	5	13	5	<5	—	—	<0.1	<0.1	—	10
AUG 13...	—	11	—	—	<5	—	—	—	—	<0.1	—	6
SEP 10...	—	12	4	5	<5	<5	—	—	<0.1	<0.1	—	3

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 16...	2	<1	<1	<1	<6	60	11	4.5	<0.01	<1	3
NOV 13...	3	--	<1	--	5	--	4	9.0	<0.01	3	2
DEC 11...	2	<1	<1	--	1	50	7	8.3	<0.01	2	2
JAN 15...	1	<1	<1	--	2	50	14	4.3	<0.01	4	3
FEB 12...	3	<1	<1	<1	<6	60	12	12	<0.01	<1	<1
MAR 12...	1	<1	<1	--	<1	20	8	6.2	<0.01	<1	3
APR 16...	<1	<1	<1	<1	<6	40	12	16	<0.01	12	<1
MAY 14...	1	<1	<1	--	1	20	5	9.0	<0.01	3	1
JUN 11...	2	1	1	--	1	30	5	8.0	<0.01	<1	3
JUL 16...	3	<1	<1	--	2	20	6	7.9	<0.01	<1	1
AUG 13...	--	<1	--	--	--	30	--	8.5	<0.01	3	2
SEP 10...	3	<1	<1	--	2	20	11	4.7	<0.01	5	<1

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT 16...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
NOV 13...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
DEC 11...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
JAN 15...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
FEB 12...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
MAR 12...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
APR 16...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	<0.001	<0.001	<0.001
MAY 14...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
JUN 11...	<0.1	<0.1	<0.001	<0.1	<0.001	0.002	<0.001	<0.01	0.002	<0.001	<0.001
JUL 16...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
AUG 13...	--	--	--	--	--	--	--	--	--	--	--
SEP 10...	<0.1	0.1	<0.001	<0.1	0.003	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
OCT 16...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
NOV 13...	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
DEC 11...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
JAN 15...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
FEB 12...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
MAR 12...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
APR 16...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
MAY 14...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
JUN 11...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
JUL 16...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
AUG 13...	--	--	--	--	--	--	--	--	--	--	--
SEP 10...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

DATE	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 16...	<1	<0.01	<0.01	<0.01	<0.01	<0.01	5.7	0.6	150	39200	100
NOV 13...	<1	<0.01	0.08	<0.01	<0.01	<0.01	3.2	0.3	238	95700	92
DEC 11...	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.6	0.1	492	307000	67
JAN 15...	<1	<0.01	0.03	<0.01	<0.01	<0.01	1.3	0.1	128	33200	98
FEB 12...	<1	<0.01	0.04	<0.01	<0.01	<0.01	4.0	0.2	632	196000	98
MAR 12...	<1	<0.01	0.03	<0.01	<0.01	<0.01	5.9	0.4	168	49000	100
APR 16...	<1	<0.01	0.03	<0.01	<0.01	<0.01	4.0	0.4	437	171000	69
MAY 14...	<1	<0.01	0.05	<0.01	<0.01	<0.01	7.6	0.5	262	59600	100
JUN 11...	<1	<0.01	0.03	<0.01	<0.01	<0.01	1.4	0.1	402	145000	95
JUL 16...	<1	<0.01	0.03	<0.01	<0.01	<0.01	2.8	0.2	326	87000	99
AUG 13...	--	--	0.02	<0.01	<0.01	<0.01	6.3	0.5	208	42600	99
SEP 10...	<1	<0.01	<0.01	<0.01	<0.01	<0.01	2.9	0.2	255	43900	99

< Actual value is known to be less than the value shown.

07381650 LOWER ATCHAFALAYA RIVER BELOW SWEETBAY LAKE, NEAR MORGAN CITY, LA

LOCATION.--Lat 29°33'06", long 91°14'41", in sec.21, T.17 S., R.12 E., St. Mary Parish, attached to wharf of Texas Oil Company at Mile 129.5 from head of Atchafalaya River via Atchafalaya Basin main channel, and 10.3 mi south of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to September 1986 (elevations only). Elevations, February 1956 to September 1985 are in reports of Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Elevation affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.27 ft Oct. 28, 1985; minimum elevation, 0.25 ft Jan. 27, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 8.05 ft June 27, 1957; minimum elevation, -1.55 ft Nov. 6, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.27 ft Oct. 28; minimum elevation, 0.25 ft Jan. 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.55	2.64	2.84	2.76	1.56	1.97	2.37	2.49	2.60	2.52	1.56	2.01
2	1.96	2.68	2.63	2.81	1.57	2.06	2.51	2.22	2.56	2.40	1.47	2.36
3	2.18	2.42	2.42	2.69	1.93	2.02	2.72	2.06	2.72	2.12	1.68	2.23
4	2.14	2.19	2.57	2.67	2.33	2.00	2.72	2.18	2.72	2.05	1.67	2.15
5	1.38	2.13	2.63	2.32	2.20	2.30	2.65	2.53	2.89	2.20	1.82	2.03
6	1.63	2.10	2.73	2.53	2.15	2.11	2.45	2.48	2.89	2.22	1.90	1.91
7	1.80	2.09	2.88	2.27	2.02	2.11	2.31	2.57	2.86	2.01	1.84	1.81
8	2.11	1.98	---	2.14	2.14	2.15	2.32	2.53	2.94	2.06	1.84	1.88
9	2.04	2.37	---	2.07	2.07	2.19	2.10	2.42	3.05	2.26	1.88	1.97
10	2.19	2.37	---	2.02	1.98	2.21	2.13	2.34	2.94	2.44	1.84	2.15
11	2.10	2.33	3.33	2.09	1.42	2.23	2.19	2.72	2.81	2.32	1.49	2.35
12	2.14	2.26	3.45	2.08	1.55	2.65	2.41	2.43	2.58	2.27	1.71	2.08
13	2.21	2.27	3.24	1.75	1.64	2.20	2.32	2.24	2.47	1.98	1.80	1.85
14	2.20	2.24	3.00	1.73	2.24	2.44	2.50	2.41	2.35	1.89	1.94	1.90
15	2.12	2.27	3.09	1.69	1.99	2.26	2.09	2.69	2.40	1.84	2.01	1.84
16	2.00	2.25	3.04	1.71	2.27	1.96	2.01	2.77	2.39	1.77	1.95	1.69
17	2.08	2.28	3.09	1.85	2.31	2.04	2.21	2.96	2.36	1.80	1.84	1.82
18	2.46	2.43	3.12	1.83	2.25	2.73	2.27	2.84	2.44	1.94	1.45	1.79
19	2.37	2.53	3.01	1.75	2.30	2.11	2.33	2.34	2.52	1.94	1.32	1.77
20	2.37	1.99	3.03	1.67	2.33	1.68	2.76	2.05	2.55	1.91	1.44	1.65
21	2.34	1.84	3.02	1.54	2.36	1.64	2.21	2.29	2.58	1.96	1.71	1.50
22	2.54	2.52	3.12	1.52	2.22	1.65	2.02	2.72	2.55	1.93	1.73	1.41
23	2.63	2.53	3.19	1.41	2.30	1.72	1.97	2.89	2.62	1.85	1.76	1.40
24	2.40	2.21	3.18	1.70	2.44	1.76	2.12	2.68	2.56	1.88	1.57	1.68
25	2.26	2.51	2.96	1.77	2.29	1.94	2.30	2.73	3.13	1.88	1.47	1.62
26	2.37	2.59	2.99	1.13	2.45	2.04	2.41	2.66	3.12	1.76	1.53	1.35
27	2.02	2.60	3.10	.75	2.30	2.02	2.64	2.66	2.60	1.78	1.60	1.28
28	4.29	2.63	3.08	1.33	1.95	2.11	2.51	2.49	2.39	1.76	1.59	1.33
29	4.34	2.63	3.02	1.28	---	2.16	2.46	2.46	2.31	1.68	1.34	1.61
30	3.24	2.76	3.03	1.44	---	2.28	2.54	2.54	2.51	1.70	1.79	1.52
31	2.35	---	2.99	1.55	---	2.39	---	2.51	---	1.62	1.83	---
MAX	4.34	2.76	3.45	2.81	2.45	2.73	2.76	2.96	3.13	2.52	2.01	2.36
MIN	1.38	1.84	2.42	.75	1.42	1.64	1.97	2.05	2.31	1.62	1.32	1.28

07381800 SPRING CREEK NEAR GLENMORA, LA

LOCATION.--Lat 31°00'00", long 92°34'00", in NW 1/4 SW 1/4 sec.3, T.1 S., R.2 W., Rapides Parish, Louisiana meridian, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 497, .05 mi downstream from Missouri Pacific Railroad Co. bridge, 2.0 mi north of Glenmora, and 7.7 mi upstream from mouth. Prior to Apr. 17, 1986, at site 0.25 mi upstream.

DRAINAGE AREA.--68.4 mi².

PERIOD OF RECORD.--Water--years 1954-56 (annual maximum), March 1956 to April 1986 (discontinued).

REVISED RECORDS.--WRD LA 1974: 1962(M), 1964(M), 1965(P), 1966(M), 1967-68(P), 1971-72(M), 1973(P).

GAGE.--Water--stage recorder. Datum of gage is 63.28 ft above National Geodetic Vertical Datum of 1929. Oct. 23, 1953 to Mar. 6, 1956, crest-stage gage at same site and datum. Prior to Apr. 17, 1986 at site 0.25 mi upstream at same datum.

REMARKS.--No estimated daily discharge. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--29 years, 93.3 ft³/s, 18.52 in/yr, 67,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,200 ft³/s, Oct. 21, 1984, gage height, 18.00 ft from rating curve extended above 7,630 ft³/s; minimum, 24 ft³/s Sept. 26, 27, 28, 29-30, Oct. 1, 2, 3, 4-5, 6, 1982; minimum gage height, 4.55 ft Oct. 4, 5, 6, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1886, 20.50 ft in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.

EXTREMES FOR CURRENT PERIOD.--October to April 1986: peak discharge greater than base of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 29	0630	*3860	*15.40	No other peak greater than base discharge.			

Minimum discharge, 40 ft³/s Oct. 4, 5-13; minimum gage height 5.12 ft Oct. 6, 7, 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	938	138	64	55	51	47					
2	45	214	111	63	56	51	47					
3	42	153	93	63	55	51	47					
4	41	132	82	62	88	52	47					
5	40	113	77	61	82	51	47					
6	40	100	73	61	84	51	47					
7	40	93	72	65	88	50	46					
8	40	88	71	63	75	50	46					
9	40	84	70	61	63	50	46					
10	40	82	69	65	59	51	45					
11	40	80	166	64	57	51	45					
12	40	79	702	61	55	59	53					
13	40	78	795	61	54	57	51					
14	43	77	421	60	57	55	47					
15	48	76	145	59	57	53	45					
16	47	78	106	59	55	52	44					
17	43	76	91	60	56	51	---					
18	47	75	83	60	55	55	---					
19	119	74	77	59	54	60	---					
20	486	73	73	58	53	52	---					
21	175	71	71	57	53	50	---					
22	99	71	70	58	52	50	---					
23	174	70	69	59	52	50	---					
24	495	70	67	57	52	50	---					
25	222	71	66	57	52	49	---					
26	108	70	65	56	52	49	---					
27	169	119	70	55	52	49	---					
28	2130	228	70	56	51	48	---					
29	3570	136	66	56	---	48	---					
30	3030	98	65	56	---	48	---					
31	2050	---	66	56	---	48	---					
TOTAL	13600	3767	4260	1852	1674	1592	---					
MEAN	439	126	137	59.7	59.8	51.4	---					
MAX	3570	938	795	65	88	60	---					
MIN	40	70	65	55	51	48	---					
CFSM	6.42	1.84	2.00	.87	.87	.75	---					
IN.	7.40	2.05	2.32	1.01	.91	.87	---					
AC-FT	26980	7470	8450	3670	3320	3160	---					

CAL YR 1985 TOTAL 45818 MEAN 126 MAX 3570 MIN 39 CFSM 1.84 IN. 24.92 AC-FT 90880

MISSISSIPPI RIVER DELTA

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.50	12.18	6.94	5.85	5.67	5.54	5.42					
2	5.25	8.02	6.54	5.83	5.67	5.54	5.42					
3	5.18	7.19	6.23	5.82	5.65	5.55	5.42					
4	5.15	6.88	6.03	5.81	6.27	5.57	5.41					
5	5.14	6.57	5.93	5.79	6.20	5.53	5.41					
6	5.12	6.36	5.86	5.78	6.23	5.53	5.41					
7	5.12	6.23	5.82	5.87	6.31	5.51	5.40					
8	5.13	6.13	5.80	5.82	6.05	5.51	5.39					
9	5.13	6.08	5.79	5.78	5.81	5.52	5.40					
10	5.13	6.04	5.78	5.86	5.73	5.52	5.37					
11	5.13	6.00	7.13	5.85	5.68	5.52	5.37					
12	5.13	5.98	11.74	5.79	5.64	5.69	5.55					
13	5.14	5.95	12.09	5.78	5.63	5.65	5.51					
14	5.20	5.93	10.04	5.75	5.69	5.60	5.41					
15	5.32	5.92	7.20	5.74	5.69	5.56	5.38					
16	5.29	5.95	6.61	5.73	5.64	5.53	5.36					
17	5.20	5.91	6.36	5.75	5.65	5.51	---					
18	5.29	5.89	6.22	5.75	5.63	5.60	---					
19	6.23	5.87	6.11	5.73	5.62	5.71	---					
20	10.62	5.84	6.04	5.71	5.60	5.54	---					
21	7.51	5.81	5.99	5.70	5.59	5.50	---					
22	6.32	5.80	5.96	5.72	5.57	5.49	---					
23	7.27	5.78	5.94	5.73	5.56	5.49	---					
24	10.86	5.79	5.92	5.69	5.56	5.48	---					
25	8.09	5.80	5.89	5.69	5.55	5.47	---					
26	6.49	5.78	5.87	5.67	5.56	5.47	---					
27	7.21	6.55	5.97	5.66	5.56	5.46	---					
28	13.89	8.19	5.97	5.67	5.54	5.45	---					
29	15.21	6.94	5.89	5.68	---	5.44	---					
30	14.85	6.31	5.87	5.68	---	5.43	---					
31	14.08	---	5.88	5.67	---	5.43	---					
MAX	15.21	12.18	12.09	5.87	6.31	5.71	---					
MIN	5.12	5.78	5.78	5.66	5.54	5.43	---					

LOCATION.--Lat 31°00'00", long 92°22'46", in NW 1/4 SW 1/4 sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft downstream from Cocodrie Lake dam, 1.0 mi downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi east of Clearwater, 4.0 mi south of Meeker, and 5.0 mi downstream from Hurricane Creek.

CAL	YR	1985	TOTAL	215082	MEAN	589	MAX	5110	MIN	126	CFSM	2.45	IN.	33.34	AC-FT	426600
WTR	YR	1986	TOTAL	186772	MEAN	512	MAX	5110	MIN	101	CFSM	2.13	IN.	28.95	AC-FT	370500

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.78	22.55	16.10	13.02	7.00	6.64	6.64	6.66	7.86	15.94	6.66	6.12
2	6.84	22.28	16.13	12.76	6.97	6.62	6.55	7.04	8.00	15.85	6.54	6.10
3	6.80	21.94	16.05	12.36	6.91	6.59	6.53	7.40	8.09	15.66	6.44	6.16
4	6.72	21.58	15.90	11.84	7.51	6.68	6.49	7.53	9.17	15.43	6.36	6.21
5	6.61	21.23	15.71	11.26	8.08	6.71	6.47	7.45	10.15	15.20	6.32	6.19
6	6.51	20.89	15.51	10.67	8.66	6.69	6.44	7.30	11.27	14.96	6.32	6.15
7	6.44	20.58	15.29	10.23	8.94	6.65	6.43	7.17	11.77	14.72	6.32	6.13
8	6.40	20.28	15.08	9.92	8.93	6.59	6.41	6.96	12.04	14.47	6.36	6.12
9	6.36	20.00	14.87	9.68	8.79	6.55	6.41	6.81	12.45	14.21	6.39	6.10
10	6.34	19.73	14.66	9.59	8.64	6.55	6.39	6.66	12.87	13.96	6.45	6.09
11	6.34	19.47	14.59	9.48	8.47	6.53	6.39	6.53	13.01	13.74	6.70	6.09
12	6.36	19.22	14.96	9.33	8.28	6.65	6.43	6.44	12.91	13.49	6.75	6.09
13	6.37	18.98	15.85	9.21	8.10	6.82	6.43	6.39	12.62	13.23	6.53	6.07
14	6.38	18.75	16.30	9.06	7.99	7.73	6.43	6.39	12.13	12.93	6.47	6.04
15	6.84	18.52	16.34	8.88	7.87	7.77	6.43	6.41	11.48	12.50	6.47	6.03
16	7.37	18.34	16.20	8.68	7.79	7.90	6.42	6.39	10.91	11.85	6.41	6.03
17	7.50	18.13	16.01	8.52	7.73	7.89	6.42	6.39	10.52	11.15	6.38	6.02
18	7.49	17.91	15.82	8.38	7.63	7.94	6.41	6.40	10.16	10.52	6.36	6.01
19	7.73	17.70	15.61	8.24	7.52	8.19	6.42	6.41	9.81	9.99	6.34	6.00
20	10.20	17.46	15.41	8.09	7.39	8.07	6.90	6.37	9.43	9.50	6.33	6.02
21	12.39	17.23	15.19	7.94	7.28	7.99	7.18	6.32	9.06	9.04	6.31	6.24
22	12.96	17.00	14.99	7.83	7.17	7.87	7.44	6.27	8.73	8.63	6.29	6.37
23	13.43	16.78	14.79	7.73	7.09	7.72	7.43	6.26	8.46	8.28	6.28	6.26
24	13.92	16.55	14.58	7.62	7.01	7.57	7.32	6.27	8.14	8.05	6.27	6.21
25	14.35	16.34	14.36	7.55	6.92	7.41	7.17	6.45	7.78	8.00	6.26	6.20
26	14.44	16.13	14.14	7.46	6.87	7.27	7.03	6.47	7.47	7.87	6.25	6.20
27	14.67	16.00	13.97	7.34	6.79	7.18	6.94	6.46	7.31	7.75	6.24	6.19
28	16.90	16.12	13.80	7.26	6.70	7.05	6.79	6.50	7.19	7.50	6.25	6.18
29	19.66	16.16	13.62	7.19	---	6.93	6.65	6.44	10.44	7.23	6.23	6.18
30	21.66	16.06	13.42	7.10	---	6.83	6.58	6.61	15.51	6.99	6.21	6.19
31	22.49	---	13.24	7.05	---	6.73	---	7.41	---	6.81	6.19	---
MAX	22.49	22.55	16.34	13.02	8.94	8.19	7.44	7.53	15.51	15.94	6.75	6.37
MIN	6.34	16.00	13.24	7.05	6.70	6.53	6.39	6.26	7.19	6.81	6.19	6.00

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW 1/4 NW 1/4 lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Co. bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

DRAINAGE AREA.--715 mi². See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

REMARKS.--Estimated daily discharges: Oct. 8, 9, Dec. 11, Feb. 20, 25, 26, Mar. 1, 2, Apr. 20, July 24, 25, and Sept. 2, 3 (indefinite stage-discharge relationship). Records good, except those for period of period of indefinite stage-discharge relationship, which are poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--40 years, 1,087 ft³/s, 787,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft³/s May 21, 1953; maximum elevation, 35.29 ft May 22, 1953; minimum discharge, 70 ft³/s Oct. 19, 1973; minimum elevation, 10.72 ft Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,590 ft³/s Nov. 7; maximum elevation, 31.67 ft Nov. 2, minimum daily discharge, 129 ft³/s Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	899	5340	3490	1390	418	300	408	245	1070	3030	148	145
2	631	5830	3320	1310	428	310	365	501	919	2890	176	162
3	434	6110	2920	1160	413	318	371	510	668	2490	230	185
4	313	6310	2830	1090	469	486	327	454	693	1960	200	204
5	280	6420	2500	1050	1520	440	333	435	732	1640	129	232
6	284	6500	2040	923	1610	434	366	428	846	1430	142	224
7	248	6550	1700	732	1360	405	335	341	986	1230	161	224
8	240	6540	1640	813	1150	346	327	273	1210	1100	211	214
9	235	6540	1570	923	914	340	306	263	1210	1080	213	209
10	233	6540	1500	949	679	356	299	262	1720	1030	251	210
11	205	6520	1850	1360	537	299	293	262	1650	977	238	179
12	204	6480	2170	1420	530	499	293	228	1450	950	848	221
13	377	6410	3210	1360	506	1040	289	193	1260	902	772	230
14	730	6320	3490	1170	476	934	271	204	1100	862	560	230
15	1140	6170	3590	860	471	893	243	219	963	795	426	217
16	2520	6030	3670	591	483	879	229	220	772	745	333	210
17	2430	5860	3690	590	442	731	233	218	624	628	223	202
18	1800	5680	3600	638	439	886	251	249	503	523	247	211
19	1130	5510	3380	640	410	3110	256	267	425	491	261	223
20	1940	5340	2960	609	450	2880	390	246	462	447	225	215
21	2960	5280	2470	577	470	2290	604	226	485	398	137	180
22	3080	5350	2000	655	443	1700	582	237	437	454	175	234
23	3360	5300	1720	645	430	1110	520	239	449	374	199	257
24	3500	5140	1620	572	383	706	452	230	351	450	251	276
25	3620	4910	1500	534	430	596	377	386	339	580	243	291
26	3650	4620	1410	720	450	590	316	618	365	1140	228	311
27	3760	3950	1320	741	292	503	308	840	357	1050	212	279
28	3830	3830	1430	651	277	491	317	1460	290	687	226	270
29	4150	3980	1520	422	---	499	303	1290	1050	493	300	279
30	4490	3910	1510	421	---	484	261	729	2780	390	288	305
31	4870	---	1410	424	---	450	---	857	---	280	281	---
TOTAL	57543	169270	73030	25940	16880	25305	10225	13130	26166	31496	8534	6829
MEAN	1856	5642	2356	837	603	816	341	424	872	1016	275	228
MAX	4870	6550	3690	1420	1610	3110	604	1460	2780	3030	848	311
MIN	204	3830	1320	421	277	299	229	193	290	280	129	145
AC-FT	114100	335700	144900	51450	33480	50190	20280	26040	51900	62470	16930	13550

CAL YR 1985	TOTAL	574057	MEAN	1573	MAX	6550	MIN	83	AC-FT	1139000
WTR YR 1986	TOTAL	464348	MEAN	1272	MAX	6550	MIN	129	AC-FT	921000

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.31	31.52	22.42	19.01	17.06	16.90	18.29	18.02	19.04	23.09	18.10	18.02
2	17.30	31.63	22.38	18.64	16.95	17.51	18.15	18.34	18.78	22.92	18.23	18.12
3	16.63	31.63	22.06	18.38	16.86	18.03	18.11	18.69	18.38	22.02	18.13	18.24
4	16.21	31.52	21.25	18.20	17.31	18.28	18.14	18.51	18.52	20.94	18.02	18.27
5	16.09	31.41	20.30	17.91	20.12	18.11	18.23	18.41	18.70	20.00	18.09	18.24
6	15.79	31.28	19.70	17.63	19.80	18.26	18.33	18.27	18.92	19.23	18.20	18.23
7	15.50	31.15	19.36	17.81	18.99	18.22	18.31	18.03	19.12	18.86	18.28	18.21
8	15.37	31.00	19.16	18.37	18.07	18.20	18.28	18.09	19.40	19.24	18.36	18.20
9	15.16	30.86	18.97	18.51	17.28	18.26	18.24	18.14	19.41	19.19	18.37	18.21
10	14.48	30.73	18.87	18.31	16.82	18.18	18.16	18.15	19.79	19.06	18.26	18.21
11	14.19	30.59	19.05	19.91	17.10	18.14	18.09	18.11	19.98	18.97	18.42	18.24
12	13.99	30.45	22.03	19.99	17.24	18.55	18.04	18.07	19.55	18.90	19.26	18.27
13	16.00	30.28	24.18	19.36	17.21	19.40	18.04	18.18	19.05	18.80	18.99	18.24
14	19.11	30.09	24.54	18.11	17.13	19.06	17.98	18.23	18.53	18.71	18.56	18.22
15	19.30	29.85	24.66	17.48	17.08	18.67	17.93	18.24	17.88	18.58	18.23	18.21
16	22.63	29.57	24.60	17.60	16.95	18.10	17.96	18.26	17.34	18.41	18.07	18.21
17	22.60	29.26	24.33	17.88	16.96	17.51	18.00	18.27	17.90	18.24	18.15	18.21
18	20.92	28.92	23.90	18.06	17.07	18.01	17.99	18.23	18.19	18.34	18.15	18.22
19	18.94	28.56	23.21	18.07	17.11	24.07	17.94	18.15	18.28	18.36	18.09	18.21
20	19.40	28.16	22.20	17.97	17.46	24.91	18.59	18.08	18.41	18.24	18.04	18.20
21	21.83	27.56	21.20	17.83	17.24	24.03	18.77	18.19	18.33	18.11	18.14	18.26
22	22.53	26.69	20.41	17.91	16.86	22.02	18.62	18.23	18.18	18.16	18.22	18.39
23	23.30	25.88	20.01	17.76	16.47	19.64	18.44	18.26	18.19	17.99	18.24	18.46
24	24.62	25.12	19.79	17.51	16.22	18.31	18.14	18.25	18.18	18.07	18.22	18.47
25	24.67	24.39	19.53	17.52	16.57	18.50	17.96	18.27	18.17	18.38	18.28	18.46
26	24.62	23.73	19.36	18.41	16.88	17.45	18.05	18.68	17.96	19.89	18.28	18.40
27	25.44	23.69	19.35	18.30	16.63	18.02	18.13	19.15	17.78	19.73	18.28	18.33
28	27.53	23.45	19.68	17.06	16.31	18.49	18.21	19.84	17.81	18.97	18.33	18.36
29	28.96	22.96	19.59	17.03	---	18.58	18.19	19.54	18.91	18.55	18.18	18.33
30	30.48	22.61	19.33	17.16	---	18.59	18.10	18.95	22.31	18.16	18.04	18.25
31	31.25	---	19.19	17.15	---	18.52	---	18.79	---	17.87	17.93	---
MAX	31.25	31.63	24.66	19.99	20.12	24.91	18.77	19.84	22.31	23.09	19.26	18.47
MIN	13.99	22.61	18.87	17.03	16.22	16.90	17.93	18.02	17.34	17.87	17.93	18.02

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE 1/4 sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 mi². See REMARKS.

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaisses diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Estimated daily discharges: Feb. 21 to Mar. 5, 7-10, Mar. 29 to Apr. 14, 18, 19, Apr. 26 to May 1, 13, 15-18, 20-23. Records good. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--43 years, 430 ft³/s, 311,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 ft³/s Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,420 ft³/s Nov. 3, maximum gage height, 19.62 ft Oct. 30; minimum, 35 ft³/s Sept. 14, gage height, 2.40 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	394	2360	848	170	90	76	88	150	703	924	69	61
2	384	2370	856	152	89	76	86	635	612	937	64	57
3	198	2390	841	139	85	76	84	731	467	931	57	56
4	128	2380	804	130	241	74	82	669	362	932	48	51
5	83	2360	735	121	728	74	80	515	544	904	40	51
6	63	2330	620	114	643	72	80	330	646	838	48	54
7	56	2310	438	137	559	84	78	203	657	708	68	52
8	50	2280	297	195	421	76	76	171	650	600	96	47
9	43	2240	221	198	299	74	76	163	616	473	83	43
10	41	2170	180	226	217	88	74	155	606	368	78	42
11	43	2090	324	358	166	105	74	129	568	291	72	41
12	39	2000	920	333	140	160	72	119	508	237	152	41
13	38	1890	1240	268	126	251	72	90	445	212	226	38
14	41	1770	1170	205	119	186	90	68	338	209	154	36
15	106	1640	1130	170	122	172	152	110	227	187	102	41
16	477	1530	1140	190	134	162	150	100	164	164	90	43
17	523	1430	1130	195	124	122	126	86	125	144	95	41
18	377	1320	1090	163	109	200	88	98	113	131	92	39
19	246	1210	1030	127	102	849	80	110	112	126	99	42
20	870	1100	946	112	97	716	140	90	111	119	93	46
21	1100	1010	865	103	88	469	271	74	143	110	69	44
22	1180	924	771	98	84	291	290	64	145	99	55	53
23	1720	837	652	95	82	216	210	56	112	97	51	69
24	1550	734	463	93	80	179	136	48	83	104	50	66
25	1320	574	307	99	80	166	105	193	74	128	51	55
26	1260	350	225	99	78	125	88	708	81	156	58	48
27	1520	233	195	96	78	101	84	787	79	157	62	43
28	2070	469	238	97	78	96	80	737	71	132	56	42
29	2290	724	219	96	---	92	76	768	510	102	59	42
30	2350	782	196	90	---	90	74	752	1070	80	68	39
31	2350	---	185	90	---	88	---	753	---	73	67	---
TOTAL	22910	45807	20276	4759	5259	5606	3262	9662	10942	10673	2472	1423
MEAN	739	1527	654	154	188	181	109	312	365	344	79.7	47.4
MAX	2350	2390	1240	358	728	849	290	787	1070	937	226	69
MIN	38	233	180	90	78	72	72	48	71	73	40	36
AC-FT	45440	90860	40220	9440	10430	11120	6470	19160	21700	21170	4900	2820
CAL YR 1985	TOTAL	186454	MEAN	511	MAX	2390	MIN	15	AC-FT	369800		
WTR YR 1986	TOTAL	143051	MEAN	392	MAX	2390	MIN	36	AC-FT	283700		

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.74	18.09	8.79	3.99	3.22	---	---	---	8.02	8.92	2.73	2.70
2	4.87	17.36	8.83	3.83	3.21	---	---	7.54	7.46	8.99	2.67	2.66
3	4.10	16.75	8.76	3.71	3.17	---	---	8.18	6.38	8.95	2.59	2.65
4	3.45	16.06	8.58	3.62	4.52	---	---	7.82	5.56	8.96	2.49	2.59
5	2.99	15.57	8.20	3.53	8.16	---	---	6.76	6.95	8.82	2.38	2.59
6	2.78	15.22	7.53	3.46	7.68	2.95	---	5.29	7.69	8.51	2.48	2.63
7	2.68	14.94	6.22	3.68	7.11	---	---	4.16	7.75	8.04	2.72	2.61
8	2.62	14.64	5.13	4.23	6.06	---	---	3.85	7.71	7.36	3.02	2.55
9	2.52	14.35	4.46	4.26	5.10	---	---	3.78	7.50	6.39	2.88	2.51
10	2.50	14.09	4.09	4.51	4.36	---	---	3.71	7.44	5.53	2.83	2.49
11	2.53	13.82	5.28	5.62	3.88	3.30	---	3.46	7.16	4.88	2.77	2.48
12	2.48	13.52	10.23	5.42	3.65	3.82	---	3.36	6.71	4.37	3.55	2.48
13	2.46	13.16	11.42	4.88	3.51	4.68	---	---	6.21	4.13	4.26	2.44
14	2.50	12.74	10.43	4.32	3.44	4.07	---	2.83	5.36	4.10	3.59	2.41
15	3.17	12.28	10.15	3.99	3.47	3.94	3.75	---	4.38	3.90	3.09	2.48
16	6.37	11.86	10.21	4.18	3.59	3.85	3.73	---	3.79	3.68	2.97	2.50
17	6.72	11.44	10.17	4.23	3.49	3.47	3.50	---	3.42	3.50	3.02	2.48
18	5.61	10.99	10.00	3.94	3.34	4.71	---	---	3.30	3.37	3.00	2.45
19	4.53	10.53	9.68	3.59	3.27	11.19	---	3.27	3.29	3.32	3.07	2.50
20	8.69	10.05	9.29	3.44	3.22	8.39	3.63	---	3.28	3.25	3.01	2.55
21	9.90	9.60	8.88	3.35	---	6.43	4.85	---	3.59	3.16	2.76	2.51
22	10.24	9.18	8.40	3.30	---	5.01	5.02	---	3.62	3.05	2.60	2.63
23	12.99	8.73	7.72	3.27	---	4.34	4.28	---	3.29	3.03	2.54	2.81
24	12.61	8.19	6.42	3.25	---	4.00	3.60	2.58	3.00	3.10	2.54	2.79
25	11.06	7.21	5.21	3.31	---	3.88	3.29	4.05	2.90	3.33	2.56	2.66
26	10.76	5.54	4.50	3.31	---	3.49	---	7.78	2.97	3.61	2.65	2.57
27	12.47	4.57	4.22	3.28	---	3.25	---	8.41	2.95	3.61	2.70	2.51
28	18.14	6.41	4.61	3.29	---	3.20	---	8.21	2.87	3.38	2.63	2.50
29	19.34	8.13	4.44	3.28	---	---	---	8.38	6.12	3.08	2.67	2.50
30	19.51	8.46	4.24	3.22	---	---	---	8.13	9.61	2.86	2.78	2.45
31	18.97	---	4.14	3.22	---	---	---	8.30	---	2.77	2.77	---
MAX	19.51	18.09	11.42	5.62	8.16	11.19	5.02	8.41	9.61	8.99	4.26	2.81
MIN	2.46	4.57	4.09	3.22	---	2.95	---	2.58	2.87	2.77	2.38	2.41

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'57", long 91°49'53", in SW 1/4 NW 1/4 sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi upstream from Slow Bayou, 2.0 mi northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage heights above 9.9 ft only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft above National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft lower.

REMARKS.--No gage heights recorded below 9.99 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.47 ft Nov. 2, minimum, 10.39 ft Sept. 20.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.34	18.34	15.25	15.30	13.01	12.07	13.25	12.05	12.63	13.54	11.58	10.87
2	14.74	18.43	15.30	15.16	12.99	12.04	13.06	12.00	12.62	13.92	11.53	10.88
3	14.57	18.44	15.27	14.99	12.94	12.02	12.91	11.96	12.57	14.11	11.49	10.90
4	14.28	18.34	15.20	14.81	12.84	12.12	12.78	11.90	12.48	14.12	11.42	10.88
5	13.87	18.34	15.09	14.61	13.35	12.17	12.67	11.83	12.60	14.05	11.36	10.84
6	13.52	18.24	14.99	14.40	13.98	12.17	12.56	11.73	12.54	13.92	11.30	10.80
7	13.22	18.11	14.90	14.23	14.20	12.21	12.46	11.61	12.42	13.76	11.25	10.76
8	12.96	18.00	14.82	14.05	14.20	12.21	12.40	11.51	12.44	13.50	11.21	10.72
9	12.76	17.89	14.76	13.87	14.09	12.17	12.40	11.41	12.45	13.22	11.15	10.69
10	12.59	17.79	14.70	13.89	13.87	12.12	12.30	11.32	12.85	13.03	11.10	10.66
11	12.41	17.65	14.67	14.07	13.60	12.09	12.24	11.24	12.90	12.84	11.04	10.63
12	12.25	17.52	15.11	14.15	13.39	12.13	12.22	11.16	13.04	12.74	11.15	10.67
13	12.76	17.39	15.72	14.17	13.22	12.68	12.20	11.08	12.99	12.59	11.20	10.64
14	13.28	17.21	16.02	14.18	13.07	12.96	12.14	11.02	12.89	12.45	11.22	10.61
15	14.31	17.03	16.17	14.05	12.97	13.12	12.06	10.96	12.78	12.32	11.24	10.57
16	14.89	16.89	16.21	13.86	12.86	13.14	12.03	10.90	12.68	12.20	11.37	10.54
17	15.30	16.75	16.18	13.67	12.77	13.08	12.03	10.86	12.52	12.08	11.42	10.51
18	15.24	16.59	16.13	13.51	12.70	12.95	11.97	10.85	12.36	11.96	11.41	10.47
19	14.98	16.42	16.05	13.38	12.62	13.65	11.90	10.91	12.22	11.85	11.42	10.44
20	14.57	16.25	15.96	13.26	12.55	15.25	12.49	10.87	12.15	11.74	11.38	10.41
21	14.54	16.09	15.88	13.14	12.48	15.63	13.04	10.84	12.14	11.63	11.31	10.44
22	14.63	15.94	15.82	13.05	12.40	15.77	13.05	10.83	12.11	11.53	11.26	10.45
23	14.64	15.80	15.76	12.94	12.33	15.74	12.94	10.83	12.25	11.45	11.20	10.46
24	15.51	15.68	15.70	12.84	12.28	15.57	12.82	10.85	12.26	11.37	11.14	10.49
25	15.83	15.56	15.62	12.77	12.24	15.40	12.69	10.87	12.28	11.28	11.08	10.51
26	15.85	15.44	15.53	12.78	12.21	15.15	12.55	11.09	12.36	11.42	11.02	10.52
27	16.00	15.34	15.46	12.88	12.17	14.81	12.42	11.48	12.49	11.58	10.96	10.52
28	17.08	15.30	15.56	13.14	12.13	14.41	12.32	12.03	12.59	11.64	10.92	10.52
29	17.58	15.26	15.51	13.17	---	14.06	12.24	12.61	12.83	11.67	10.87	10.51
30	18.00	15.26	15.40	13.12	---	13.75	12.15	12.65	13.22	11.66	10.84	10.50
31	18.20	---	15.36	13.05	---	13.49	---	12.63	---	11.63	10.85	---
MAX	18.20	18.44	16.21	15.30	14.20	15.77	13.25	12.65	13.22	14.12	11.58	10.90
MIN	12.25	15.26	14.67	12.77	12.13	12.02	11.90	10.83	12.11	11.28	10.84	10.41

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 25...	1000	124	7.10	80	60	<1.0	3.8	37	4.6	2600	560	46
JAN 07...	1000	227	7.30	50	25	<1.0	8.0	30	3.0	520	92	90
MAR 03...	0840	384	7.90	10	15	<1.0	12.0	23	3.3	480	K65	150
APR 15...	0820	401	8.00	10	60	<1.0	9.3	28	4.5	440	40	150
MAY 22...	0900	422	8.20	15	20	<1.0	9.2	69	1.6	300	40	170
JUN 30...	0730	406	7.40	10	23	<1.0	6.2	13	4.8	600	84	140
AUG 01...	0730	315	8.04	20	19	<1.0	6.9	26	3.8	560	200	120
SEP 19...	0750	533	8.12	15	7.0	<1.0	9.0	25	5.5	360	120	190

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
OCT 25...	11	4.6	50	3.1	7.1	48	0.03	0.15	0.75	0.33	3	3
JAN 07...	22	8.4	84	11	12	20	0.02	0.20	0.62	0.18	2	1
MAR 03...	37	13	125	23	26	12	0.02	0.76	0.43	0.11	1	1
APR 15...	39	12	115	31	31	44	0.03	1.6	0.40	0.16	2	1
MAY 22...	42	15	123	47	25	34	0.02	1.0	0.73	0.16	2	1
JUN 30...	38	12	128	39	26	56	0.03	0.71	0.45	0.18	3	2
AUG 01...	30	11	102	23	17	20	0.01	0.35	0.90	0.22	4	3
SEP 19...	49	17	150	63	36	15	0.01	0.63	0.71	0.14	3	2

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-Ideal colony count).

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
OCT 25...	<10	<0.5	<1	<1	10	<1	8	7	140	8	<5	<0.1
JAN 07...	<10	<0.5	<1	<1	20	<1	7	5	110	<5	<5	<0.1
MAR 03...	<10	<0.5	1	<1	<10	<1	4	4	22	<5	<5	<0.1
APR 15...	<10	<0.5	<1	<1	<10	<1	5	2	15	<5	<5	<0.1
MAY 22...	<10	<0.5	<1	<1	<10	<1	9	4	14	<5	<5	<0.1
JUN 30...	<10	<0.5	<1	<1	<10	<1	5	5	8	<5	<5	<0.1
AUG 01...	<10	<0.5	1	<1	<10	<1	21	3	22	<5	<5	0.1
SEP 19...	<10	<0.5	<1	1	<10	<1	6	6	3	<5	<5	<0.1

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 25...	<0.1	5	3	<1	<1	2	30	26	13	<0.01	8	<1
JAN 07...	<0.1	10	1	<1	<1	1	140	17	10	<0.01	4	<1
MAR 03...	<0.1	10	9	<1	<1	<1	20	6	7.0	<0.01	<1	<1
APR 15...	<0.1	9	<1	<1	<1	1	10	<3	5.3	<0.01	—	<1
MAY 22...	<0.1	5	2	<1	<1	1	20	13	3.2	<0.01	2	<1
JUN 30...	<0.1	5	2	<1	<1	1	<10	4	7.2	<0.01	<1	<1
AUG 01...	<0.1	6	2	<1	<1	3	20	19	9.6	<0.01	3	<1
SEP 19...	<0.1	5	1	<1	<1	2	40	9	6.6	<0.01	<1	<1

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 25...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	<0.001	<0.001
JAN 07...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001
MAR 03...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001
APR 15...	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001	0.02	0.001	<0.001
MAY 22...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01	0.001	<0.001
JUN 30...	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001	<0.01	0.002	<0.001
AUG 01...	<0.1	<0.1	<0.001	<0.1	<0.001	0.002	<0.001	<0.01	<0.001	<0.001
SEP 19...	—	—	—	—	—	—	—	—	—	—

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 25...	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01
JAN 07...	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
MAR 03...	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
APR 15...	<0.001	0.02	<0.001	<0.001	<0.001	0.02	<0.01	0.02	0.02
MAY 22...	<0.001	<0.01	<0.001	<0.001	<0.001	0.01	<0.01	<0.01	<0.01
JUN 30...	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
AUG 01...	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
SEP 19...	—	—	—	—	—	—	—	—	—

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 25...	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
JAN 07...	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
MAR 03...	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
APR 15...	<0.01	0.02	<0.1	<1	0.02	0.10	<0.01	<0.01	<0.01
MAY 22...	<0.01	<0.01	<0.1	<1	<0.01	0.07	<0.01	<0.01	<0.01
JUN 30...	<0.01	<0.01	<0.1	<1	<0.01	0.07	<0.01	<0.01	<0.01
AUG 01...	<0.01	<0.01	<0.1	<1	<0.01	0.19	<0.01	0.01	<0.01
SEP 19...	—	—	—	—	—	—	—	—	—

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 25...	1015	121	7.20	80	60	<1.0	3.9	3.6	28	4400	1100	46
JAN 07...	1015	227	7.30	60	40	<1.0	8.3	2.5	21	2500	1000	90
MAR 03...	0900	339	7.90	10	15	<1.0	11.8	5.5	31	370	K30	130
APR 15...	0840	381	8.10	15	55	<1.0	9.3	3.6	56	2800	200	140
MAY 22...	0915	432	8.00	15	20	<1.0	8.2	4.1	17	400	K26	160
JUN 30...	0750	389	7.30	15	40	<1.0	7.1	6.4	33	K8800	K660	150
AUG 01...	0750	310	8.13	20	15	<1.0	5.2	5.0	26	K360	80	120
SEP 19...	0815	468	8.18	10	6.8	<1.0	12.8	6.8	18	K4200	K680	170

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 25...	11	4.4	3.1	4.7	50	1.6	5.1	51	0.03	0.15	0.62	0.32
JAN 07...	22	8.5	10	3.1	86	11	10	28	0.02	0.18	0.53	0.18
MAR 03...	33	12	16	3.1	114	26	23	17	0.02	0.54	1.0	0.11
APR 15...	37	12	18	3.3	113	31	28	25	0.03	1.4	0.77	0.20
MAY 22...	41	14	20	3.4	124	46	21	40	0.03	0.95	0.60	0.16
JUN 30...	38	13	22	3.5	108	31	25	46	0.02	0.90	0.30	0.27
AUG 01...	29	11	15	3.2	104	25	18	47	0.03	0.56	1.0	0.26
SEP 19...	40	16	32	3.8	131	60	32	12	0.01	0.10	0.35	0.12

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 25...	3	3	<10	<0.5	<1	<1	20	<1	6	4	220	<5
JAN 07...	2	1	<10	<0.5	1	1	<10	<1	6	3	270	<5
MAR 03...	1	1	<10	<0.5	<1	<1	<10	<1	9	7	33	<5
APR 15...	2	1	<10	<0.5	<1	<1	<10	<1	8	3	18	<5
MAY 22...	2	1	<10	<0.5	<1	<1	<10	<1	5	1	13	<5
JUN 30...	4	3	<10	<0.5	<1	<1	<10	<1	6	4	17	<5
AUG 01...	4	3	<10	<0.5	1	<1	<10	<1	16	3	26	<5
SEP 19...	2	2	<10	<0.5	<1	<1	<10	<1	6	5	14	<5

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	<5	0.2	0.2	5	<1	<1	<1	3	10	14	14
JAN 07...	<5	<0.1	<0.1	7	<1	<1	<1	1	30	4	9.8
MAR 03...	<5	<0.1	<0.1	10	7	<1	<1	1	10	10	9.2
APR 15...	<5	<0.1	<0.1	11	<1	<1	<1	1	10	<3	6.4
MAY 22...	<5	<0.1	<0.1	11	<1	<1	<1	1	<10	12	4.6
JUN 30...	<5	<0.1	--	3	2	<1	<1	1	<10	<3	10
AUG 01...	<5	<0.1	<0.1	9	1	<1	<1	2	30	15	7.0
SEP 19...	<5	<0.1	<0.1	7	1	<1	<1	2	20	5	8.4

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 25...	<0.01	--	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01
JAN 07...	<0.01	2	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01
MAR 03...	<0.01	<1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01
APR 15...	<0.01	3	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001	0.01
MAY 22...	<0.01	2	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01
JUN 30...	<0.01	2	2	<0.1	<0.1	<0.001	<0.1	<0.001	0.002	<0.001	<0.01
AUG 01...	<0.01	3	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.006	<0.001	<0.01
SEP 19...	<0.01	2	<1	<0.1	<0.1	<0.001	<0.1	0.003	<0.001	0.001	0.01

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR- EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 25...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
JAN 07...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
MAR 03...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
APR 15...	0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
MAY 22...	0.002	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
JUN 30...	0.003	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
AUG 01...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
SEP 19...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.01	<0.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 25...	<0.01	<0.01	<0.1	<1	<0.01	0.03	<0.01	<0.01	<0.01	1.4	0.4
JAN 07...	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01	10	0.4
MAR 03...	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01	42	6.5
APR 15...	<0.01	<0.01	<0.1	<1	<0.01	0.04	<0.01	<0.01	<0.01	48	9.1
MAY 22...	<0.01	<0.01	<0.1	<1	<0.01	0.03	<0.01	<0.01	<0.01	5.5	0.6
JUN 30...	<0.01	<0.01	<0.1	<1	<0.01	0.05	<0.01	<0.01	<0.01	77	15
AUG 01...	<0.01	<0.01	<0.1	<1	<0.01	0.29	<0.01	0.02	<0.01	69	7.0
SEP 19...	<0.01	<0.01	<0.1	<1	<0.01	0.09	<0.01	<0.01	<0.01	27	2.5

< Actual value is known to be less than the value shown.

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusilier.

DRAINAGE AREA.--Approximately 1,530 mi² (see REMARKS).

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: July 16 to Aug. 6, and Sept. 2-30. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaives floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermillion fresh water diversion canal operational during the year anytime the flow in Bayou Courtableau does not bypass by away of the Courtableau Weirs near Krotz Springs. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--37 years, 842 ft³/s, 610,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s May 24, 1953; maximum elevation, 24.27 ft May 23, 1953; minimum discharge, 53 ft³/s Aug. 12, 1965; minimum elevation, 6.78 ft Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,640 ft³/s Oct. 29; maximum elevation, 22.37 ft Oct. 31; minimum discharge, 323 ft³/s Oct. 12, elevation, 10.75 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	992	2020	1150	1010	818	745	970	922	991	1170	944	912
2	800	2070	1140	943	806	846	941	925	980	1130	976	978
3	697	2010	1100	903	792	923	926	984	954	1110	969	998
4	652	1990	1050	879	835	1040	930	984	955	1090	949	994
5	642	1990	992	844	1040	966	944	966	982	1040	951	989
6	610	2020	949	813	1000	966	957	949	998	964	966	987
7	561	2040	924	842	922	961	974	915	1010	905	956	982
8	511	2050	908	911	817	960	971	912	1020	994	971	980
9	459	2050	895	977	729	972	963	923	1040	1020	975	978
10	414	2000	887	948	695	969	954	928	986	1010	970	980
11	371	1890	901	1080	740	953	943	928	1020	1000	1050	984
12	348	1810	1220	1130	787	1050	939	921	1020	995	1140	991
13	700	1740	1540	1090	798	1120	934	930	985	981	1050	987
14	1230	1680	1470	921	799	1050	930	940	938	971	1000	982
15	1290	1640	1370	817	798	980	920	946	853	963	995	982
16	1680	1610	1310	835	772	898	914	949	761	971	1040	982
17	1580	1580	1280	885	759	804	911	951	827	969	976	982
18	1330	1550	1250	925	771	802	913	961	907	991	950	984
19	1040	1530	1210	944	783	1290	911	945	944	991	936	984
20	847	1510	1160	943	841	1370	1050	919	965	1010	924	982
21	884	1460	1110	926	838	1320	1040	926	962	1050	934	1010
22	1000	1420	1080	910	784	1200	996	940	944	969	950	1040
23	1210	1370	1060	903	723	994	967	947	933	951	961	1020
24	1740	1310	1040	884	675	853	931	951	938	953	955	1020
25	1690	1270	1030	864	703	945	896	997	942	991	955	1020
26	1540	1220	1010	929	769	805	908	1100	927	1140	960	1020
27	1730	1180	1050	998	764	853	925	1140	894	1230	962	1010
28	1970	1220	1140	824	695	957	944	1190	897	1090	975	1000
29	2000	1190	1070	786	---	988	943	1060	980	1030	951	1000
30	2310	1160	1010	809	---	995	934	1050	1120	980	926	996
31	2060	---	1030	822	---	993	---	998	---	927	908	---
TOTAL	34888	49580	34336	28295	22253	30568	28379	30097	28673	31586	30125	29754
MEAN	1125	1653	1108	913	795	986	946	971	956	1019	972	992
MAX	2310	2070	1540	1130	1040	1370	1050	1190	1120	1230	1140	1040
MIN	348	1160	887	786	675	745	896	912	761	905	908	912
AC-FT	69200	98340	68110	56120	44140	60630	56290	59700	56870	62650	59750	59020
CAL YR 1985	TOTAL	401448	MEAN	1100	MAX	2310	MIN	348	AC-FT	796300		
WTR YR 1986	TOTAL	378534	MEAN	1037	MAX	2310	MIN	348	AC-FT	750800		

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.79	22.11	14.54	13.95	13.13	12.81	13.79	13.58	13.88	14.62	---	13.54
2	13.05	21.82	14.52	13.67	13.07	13.25	13.66	13.60	13.83	14.48	---	---
3	12.60	21.38	14.36	13.50	13.01	13.59	13.60	13.85	13.72	14.38	---	---
4	12.40	20.83	14.13	13.40	13.20	14.10	13.62	13.85	13.72	14.28	---	---
5	12.36	20.29	13.88	13.24	14.09	13.77	13.68	13.77	13.84	14.08	---	---
6	12.21	19.79	13.70	13.10	13.92	13.77	13.73	13.70	13.91	13.76	---	---
7	11.98	19.30	13.59	13.23	13.58	13.75	13.80	13.55	13.98	13.51	13.73	---
8	11.74	18.82	13.52	13.53	13.12	13.75	13.79	13.54	14.02	13.89	13.79	---
9	11.48	18.36	13.46	13.82	12.74	13.80	13.76	13.59	14.08	13.99	13.81	---
10	11.24	17.95	13.43	13.69	12.59	13.79	13.72	13.61	13.86	13.97	13.79	---
11	11.01	17.58	13.49	14.25	12.79	13.72	13.67	13.61	14.00	13.93	14.11	---
12	10.89	17.24	14.85	14.47	12.99	14.12	13.66	13.58	13.99	13.90	14.50	---
13	12.60	16.96	16.14	14.28	13.04	14.41	13.64	13.62	13.85	13.84	14.11	---
14	14.87	16.73	15.88	13.57	13.05	14.13	13.62	13.66	13.65	13.79	13.91	---
15	15.12	16.55	15.45	13.12	13.04	13.83	13.57	13.68	13.28	13.76	13.89	---
16	16.71	16.45	15.22	13.20	12.92	13.48	13.55	13.70	12.84	---	14.07	---
17	16.33	16.34	15.07	13.42	12.87	13.06	13.53	13.71	13.17	---	13.82	---
18	15.30	16.20	14.96	13.59	12.92	13.05	13.54	13.75	13.52	---	13.70	---
19	14.09	16.13	14.81	13.68	12.97	15.12	13.54	13.68	13.68	---	13.65	---
20	13.26	16.02	14.60	13.67	13.23	15.47	14.15	13.57	13.77	---	13.59	---
21	13.42	15.83	14.40	13.60	13.21	15.25	14.07	13.60	13.75	---	13.63	---
22	13.93	15.67	14.26	13.53	12.98	14.74	13.90	13.66	13.68	---	13.70	---
23	14.79	15.47	14.17	13.50	12.71	13.89	13.78	13.69	13.63	---	13.75	---
24	16.94	15.23	14.10	13.42	12.50	13.28	13.62	13.71	13.65	---	13.73	---
25	16.75	15.03	14.02	13.33	12.63	13.68	13.47	13.90	13.67	---	13.72	---
26	16.15	14.85	13.96	13.61	12.91	13.07	13.52	14.35	13.60	---	13.75	---
27	17.11	14.66	14.11	13.90	12.89	13.28	13.59	14.52	13.46	---	13.76	---
28	19.84	14.85	14.51	13.15	12.59	13.73	13.68	14.70	13.48	---	13.81	---
29	21.03	14.70	14.19	12.98	---	13.86	13.68	14.18	13.83	---	13.71	---
30	22.16	14.57	13.95	13.09	---	13.89	13.63	14.12	14.41	---	13.60	---
31	22.33	---	14.04	13.14	---	13.89	---	13.91	---	---	13.52	---
MAX	22.33	22.11	16.14	14.47	14.09	15.47	14.15	14.70	14.41	14.62	14.50	---
MIN	10.89	14.57	13.43	12.98	12.50	12.81	13.47	13.54	12.84	13.51	13.52	13.54

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°04'15", long 91°49'45", on line between lots 8 and 17, T.11 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080102, on right bank of concrete lock and dam, 3.5 mi south of St. Martinville, and 11 mi upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAUGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below National Geodetic Vertical Datum of 1929. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion fresh water diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--27 years, 490 ft³/s, 355,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s Sept. 5, 1973, maximum gage height, 16.15 ft Oct. 23, 1984; minimum discharge, no flow Aug. 10-29, 1962, June 12-16, 1963, July 24, 1964, July 21, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft May 27, 1927; minimum, 0.75 ft July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,130 ft³/s Oct. 30, gage height, 12.06 ft Oct. 29; minimum, 109 ft³/s Mar. 18, gage height, 9.82 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	1850	556	551	386	354	247	272	385	421	217	246
2	423	1800	553	491	383	348	233	264	360	429	229	260
3	345	1720	535	456	368	290	229	268	357	455	235	292
4	299	1620	514	434	656	380	236	273	347	389	229	283
5	280	1510	490	404	616	337	249	273	335	367	229	277
6	267	1420	453	383	591	264	248	274	338	345	229	269
7	246	1330	424	398	519	246	241	265	334	330	248	265
8	228	1240	416	420	459	237	232	256	333	260	260	266
9	209	1160	412	489	405	244	224	265	346	241	260	263
10	197	1090	396	595	426	251	218	274	329	287	260	262
11	176	1020	433	579	383	236	217	277	333	308	294	272
12	159	964	748	556	395	385	227	279	342	308	447	283
13	364	915	867	553	408	413	235	271	323	308	371	274
14	600	873	775	495	421	347	232	274	310	308	318	268
15	688	835	711	415	424	290	233	285	272	294	290	269
16	831	859	659	394	406	241	226	296	215	273	316	271
17	852	805	624	418	401	176	227	300	213	273	301	265
18	770	767	613	436	401	139	232	326	261	294	278	273
19	621	752	598	450	403	415	255	325	285	280	260	277
20	496	751	581	462	407	521	345	283	301	287	251	282
21	425	723	549	450	429	499	353	276	304	301	252	287
22	651	701	526	443	425	436	312	283	296	273	265	324
23	824	677	515	429	389	330	285	296	281	248	269	313
24	1170	650	504	429	364	223	276	299	280	273	277	303
25	966	614	493	525	352	210	256	398	291	260	266	301
26	870	590	481	452	379	202	259	643	310	301	264	303
27	1190	580	597	463	404	167	269	624	326	473	294	306
28	1880	677	679	420	372	208	292	608	304	300	300	296
29	1950	594	572	369	---	236	286	506	344	287	265	290
30	2080	563	521	370	---	249	280	500	381	248	251	311
31	1970	---	597	381	---	254	---	426	---	229	245	---
TOTAL	22499	29650	17392	14110	11972	9128	7654	10459	9436	9710	8470	8451
MEAN	726	988	561	455	428	294	255	337	315	313	273	282
MAX	2080	1850	867	595	656	521	353	643	385	473	447	324
MIN	159	563	396	369	352	139	217	256	213	229	217	246
AC-FT	44630	58810	34500	27990	23750	18110	15180	20750	18720	19260	16800	16760
CAL YR 1985	TOTAL	163251	MEAN	447	MAX	2080	MIN	114	AC-FT	323800		
WTR YR 1986	TOTAL	158931	MEAN	435	MAX	2080	MIN	139	AC-FT	315200		

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.38	11.62	10.48	10.47	10.27	10.23	10.08	10.12	10.27	10.32	10.03	10.08
2	10.32	11.59	10.48	10.40	10.27	10.22	10.06	10.10	10.24	10.33	10.05	10.10
3	10.22	11.53	10.45	10.36	10.25	10.14	10.05	10.11	10.24	10.36	10.06	10.15
4	10.16	11.45	10.43	10.33	10.57	10.27	10.06	10.12	10.22	10.28	10.05	10.13
5	10.13	11.37	10.40	10.30	10.55	10.21	10.08	10.12	10.21	10.25	10.05	10.13
6	10.11	11.30	10.36	10.27	10.52	10.11	10.08	10.12	10.21	10.22	10.05	10.11
7	10.08	11.23	10.32	10.29	10.44	10.08	10.07	10.11	10.21	10.20	10.08	10.11
8	10.05	11.15	10.31	10.32	10.36	10.06	10.06	10.09	10.20	10.10	10.10	10.11
9	10.02	11.08	10.31	10.40	10.30	10.07	10.04	10.11	10.22	10.07	10.10	10.10
10	10.00	11.02	10.29	10.52	10.32	10.08	10.03	10.12	10.20	10.14	10.10	10.10
11	9.96	10.96	10.33	10.50	10.27	10.06	10.03	10.13	10.20	10.17	10.15	10.12
12	9.92	10.90	10.68	10.48	10.29	10.26	10.05	10.13	10.22	10.17	10.35	10.13
13	10.21	10.86	10.81	10.48	10.30	10.31	10.06	10.12	10.19	10.17	10.25	10.12
14	10.53	10.82	10.72	10.41	10.32	10.22	10.06	10.12	10.17	10.17	10.18	10.11
15	10.62	10.78	10.65	10.31	10.32	10.14	10.06	10.14	10.12	10.15	10.14	10.11
16	10.77	10.80	10.59	10.28	10.30	10.07	10.04	10.15	10.03	10.12	10.18	10.12
17	10.79	10.75	10.56	10.31	10.29	9.96	10.05	10.16	10.02	10.12	10.16	10.11
18	10.71	10.71	10.54	10.34	10.29	9.88	10.06	10.19	10.10	10.15	10.13	10.12
19	10.55	10.69	10.53	10.35	10.29	10.31	10.09	10.19	10.14	10.13	10.10	10.13
20	10.41	10.69	10.51	10.37	10.30	10.44	10.22	10.13	10.16	10.14	10.09	10.13
21	10.32	10.66	10.47	10.35	10.33	10.41	10.23	10.12	10.16	10.16	10.09	10.14
22	10.57	10.64	10.44	10.34	10.32	10.34	10.18	10.13	10.15	10.12	10.11	10.19
23	10.75	10.61	10.43	10.33	10.28	10.20	10.14	10.15	10.13	10.08	10.11	10.18
24	11.09	10.58	10.42	10.33	10.24	10.04	10.12	10.16	10.13	10.12	10.13	10.16
25	10.91	10.54	10.40	10.44	10.23	10.02	10.09	10.28	10.15	10.10	10.11	10.16
26	10.81	10.52	10.39	10.36	10.26	10.00	10.10	10.57	10.17	10.16	10.11	10.16
27	11.09	10.50	10.52	10.37	10.30	9.94	10.11	10.55	10.19	10.38	10.15	10.17
28	11.68	10.61	10.61	10.32	10.26	10.01	10.15	10.54	10.16	10.24	10.16	10.15
29	11.81	10.52	10.50	10.25	---	10.06	10.14	10.42	10.22	10.14	10.11	10.14
30	11.87	10.49	10.44	10.25	---	10.08	10.13	10.41	10.27	10.08	10.09	10.17
31	11.74	---	10.52	10.27	---	10.09	---	10.32	---	10.05	10.08	---
MAX	11.87	11.62	10.81	10.52	10.57	10.44	10.23	10.57	10.27	10.38	10.35	10.19
MIN	9.92	10.49	10.29	10.25	10.23	9.88	10.03	10.09	10.02	10.05	10.03	10.08

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURES: October 1974 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 522 micromhos July 22, 1980; minimum daily, 39 micromhos May 19, 1980.

WATER TEMPERATURES: Maximum daily, 36.0°C July 8, 1980; minimum daily, 3.5°C Jan. 19, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	
OCT 01...	1000	456	160	7.40	23.0	100	23	5.9	1.3	K3600	
JAN 16...	1045	831	152	7.10	8.5	120	61	9.4	4.4	180	
APR 01...	1015	247	153	7.30	22.0	100	55	6.3	0.7	K40	
JUL 08...	1045	260	118	7.60	30.0	120	50	5.8	0.8	180	
DATE		STREP-TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 01...	6400	55	13	5.4	9.5	3.7	54	11	9.9	<0.1	
JAN 16...	7000	48	11	4.9	11	2.7	40	12	13	<0.1	
APR 01...	120	45	10	4.8	12	2.4	42	12	16	0.1	
JUL 08...	K110	37	9.1	3.5	7.9	2.9	35	5.8	9.1	0.1	
DATE		SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 01...	9.6	103	96	0.22	0.09	0.07	0.7	0.31	0.19	0.20	
JAN 16...	7.9	100	89	0.31	0.07	0.03	0.8	0.22	0.08	0.06	
APR 01...	6.1	94	91	0.28	0.14	0.14	0.9	0.23	0.12	0.11	
JUL 08...	9.6	78	72	0.35	0.14	0.13	1.0	0.27	0.16	0.15	
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 01...	20	2	46	<0.5	<1	1	<3	4	190	<5	
JAN 16...	110	1	42	<0.5	<1	<1	<3	4	180	<5	
APR 01...	180	2	37	<0.5	<1	<1	<3	4	510	<5	

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 01...	9	59	<0.1	<10	14	<1	<1	66	<6	9
JAN 16...	<4	42	<0.1	<10	<1	<1	<1	60	<6	16
APR 01...	<4	—	<0.1	<10	2	<1	<1	53	<6	9

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 01...	31	38	90
JAN 16...	44	99	78
APR 01...	27	18	96
JUL 08...	38	27	84

< Actual value is known to be less than the value shown.

07385800 BAYOU TECHE AT FRANKLIN, LA

LOCATION.--Lat 29°47'30", long 91°29'56", in Sec.68, T.14 S., R.9 E., St. Helena Meridian, St. Mary Parish, Hydrologic Unit 08080102, on downstream side of bridge, 0.1 mi east of Willow Street and State Highway 182 Intersection, at Franklin.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1, and May 5-12. Records poor. No gage height record Oct. 1, May 5-12, July 19 to Aug. 8. No velocity record Oct. 1, May 5-12, July 19 to Aug. 8.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge (recorded), 1,770 ft³/s Oct. 28, 1985; maximum gage height, 4.19 ft Oct. 29, 1985; minimum daily discharge (recorded), -961 ft³/s Dec. 14, 1985; minimum gage height (recorded), 0.16 ft Oct. 1, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,770 ft³/s Oct. 28; gage height 4.19 ft Oct. 29; minimum daily discharge (recorded), -961 ft³/s Dec. 14; minimum gage height, 0.19 ft Jan. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-250	-273	-179	-531	-465	-401	-594	-325	-409	-101	---	-209
2	-345	-188	-712	-336	-454	-544	-408	-561	-426	-130	---	-264
3	-449	-238	-519	-342	-502	-514	-551	-434	-282	-399	---	-260
4	-415	-250	-546	-555	-500	-600	-256	-428	-292	-128	---	-78
5	-341	-72	-575	-551	-513	-400	-393	-460	-187	-408	---	-62
6	-294	241	-673	-363	-563	-668	-412	-510	-217	-633	---	-55
7	-419	157	-572	-592	-582	-479	-409	-610	-239	-736	---	-80
8	-443	103	-434	-647	-569	-475	-328	-650	-182	-696	---	-75
9	-422	112	-346	-759	-718	-367	-481	-500	-161	-637	-298	-96
10	-396	274	-286	-797	-804	-384	-494	-330	-311	-634	-344	-88
11	-333	222	-213	-660	-713	-355	-416	-360	-292	-683	-378	-87
12	-316	230	-455	-679	-743	-235	-294	-420	-529	-630	-346	-111
13	-239	156	-934	-679	-879	-323	-334	-438	-336	-668	-403	-96
14	-291	13	-961	-642	-670	-188	-290	-492	-539	-685	-406	-91
15	-366	17	-692	-678	-477	-210	-412	-408	-499	-718	-352	-121
16	-343	38	-636	-637	-513	-355	-406	-158	-380	-684	-312	-78
17	-354	88	-514	-565	-449	-370	-343	-18	-395	-662	-293	-73
18	-349	117	-495	-533	-438	-112	-455	-378	-338	-636	-298	-57
19	-425	146	-517	-472	-437	-526	-338	-620	-382	---	-157	-6.2
20	-468	-397	-651	-468	-441	-607	-126	-706	-371	---	-111	-17.8
21	-559	-514	-544	-448	-501	-550	-655	-755	-404	---	-223	3.1
22	-631	211	-485	-382	-629	-680	-606	-374	-490	---	-206	-27
23	-637	-77	-438	-427	-510	-609	-625	-167	-285	---	-95	-33
24	-759	-306	-468	-409	-517	-661	-643	-268	-265	---	-114	-56
25	-613	21	-831	-452	-505	-613	-438	-175	123	---	-137	-45
26	-719	-56	-559	-309	-240	-606	-240	-246	-39	---	-213	-38
27	-722	-170	-422	-292	-453	-599	-231	-233	-616	---	-207	-12
28	407	-289	-517	-356	-548	-628	-364	-502	-413	---	-173	-30
29	58	-310	-340	-405	---	-689	-337	-525	-322	---	-161	-37
30	-607	-177	-331	-401	---	-659	-333	-419	-58	---	-234	-49
31	-832	---	-397	-480	---	-483	---	-434	---	---	-195	---
TOTAL	-12872	-1171	-16242	-15847	-15333	-14890	-12212	-12904	-9536	---	---	-2318.9
MEAN	-415	-39.0	-524	-511	-548	-480	-407	-416	-318	---	---	-77.3
MAX	407	274	-179	-292	-240	-112	-126	-18	123	---	-95	3.1
MIN	-832	-514	-961	-797	-879	-689	-655	-755	-616	---	---	-264

MISSISSIPPI RIVER DELTA

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07385800 BAYOU TECHE AT FRANKLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.07	2.15	1.43	1.22	.73	1.58	1.92	1.94	1.93	---	1.54
2	1.49	3.20	1.37	1.45	1.22	1.09	1.60	1.67	1.85	1.87	---	1.81
3	1.69	3.01	1.44	1.44	1.41	1.02	1.86	1.32	1.91	1.73	---	1.85
4	1.74	2.81	1.67	1.58	2.03	.96	1.94	1.54	1.96	1.61	---	1.76
5	1.04	2.76	1.61	1.15	2.09	1.09	1.92	1.96	2.10	1.74	---	1.60
6	1.04	2.76	1.41	1.29	2.10	1.28	1.77	---	2.14	1.86	---	1.45
7	1.38	2.75	1.52	1.37	1.78	1.03	1.59	---	2.13	1.60	---	1.37
8	1.69	2.63	1.57	1.13	1.95	1.23	1.58	---	2.19	1.66	---	1.40
9	1.66	2.94	1.66	1.13	1.71	1.31	1.19	---	2.30	1.88	1.50	1.53
10	1.78	2.85	1.85	1.39	1.67	1.46	1.26	---	2.28	2.14	1.48	1.82
11	1.72	2.77	2.05	1.21	.96	1.40	1.37	---	2.19	2.10	1.24	2.11
12	1.77	2.63	2.43	1.47	.88	1.83	1.54	---	1.93	2.06	1.24	1.97
13	1.80	2.57	2.42	1.19	1.30	1.52	1.60	1.71	1.59	1.79	1.42	1.68
14	1.96	2.51	1.95	1.13	1.67	1.66	1.79	1.81	1.46	1.60	1.56	1.70
15	2.00	2.49	1.92	1.21	1.23	1.53	1.40	2.10	1.46	1.54	1.63	1.76
16	1.87	2.44	1.81	1.31	1.56	1.35	1.11	2.30	1.48	1.45	1.54	1.68
17	1.98	2.40	1.75	1.46	1.61	1.36	1.32	2.45	1.46	1.40	1.39	1.80
18	2.31	2.44	1.68	1.43	1.49	1.91	1.61	2.37	1.45	1.48	.94	1.88
19	2.32	2.50	1.33	1.36	1.54	1.81	1.68	1.99	1.55	---	.73	1.89
20	2.29	2.08	1.50	1.23	1.54	1.19	2.16	1.67	1.60	---	.87	1.87
21	2.20	1.67	1.27	1.18	1.54	.99	1.65	1.90	1.67	---	1.14	1.80
22	2.38	1.96	1.43	1.10	1.35	.91	1.31	2.10	1.65	---	1.25	1.83
23	2.54	2.21	1.52	.85	1.07	1.01	1.28	2.21	1.68	---	1.37	1.80
24	2.44	1.89	1.52	1.18	1.47	1.05	1.49	2.15	1.70	---	1.15	2.12
25	2.30	2.02	1.32	1.51	1.20	1.18	1.61	2.11	1.98	---	1.00	2.21
26	2.25	2.16	1.05	.79	1.50	1.31	1.66	2.14	2.50	---	1.05	2.11
27	2.10	2.07	1.45	.19	1.43	1.22	1.87	2.11	2.16	---	1.16	2.00
28	2.95	2.05	1.62	.76	.81	1.24	1.90	2.09	1.80	---	1.20	2.02
29	3.93	1.94	1.55	.87	---	1.39	1.81	1.99	1.66	---	.88	2.22
30	3.61	2.03	1.61	.92	---	1.51	1.88	1.99	1.88	---	1.22	2.29
31	3.03	---	1.76	1.18	---	1.56	---	1.93	---	---	1.36	---
MAX	3.93	3.20	2.43	1.58	2.10	1.91	2.16	2.45	2.50	2.14	---	2.29
MIN	1.04	1.67	1.05	.19	.81	.73	1.11	---	1.45	---	.73	1.37

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 lot 45 T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1982 (elevation only). October 1982 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 27 to Nov. 13 (indefinite stage-discharge relationship). Records fair, except those above 660 ft³/s and estimated daily discharges, which are poor. Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500). In extreme floods, reverse flow observed. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 21.97 ft Oct. 31, 1985; minimum, 9.07 ft June 11, 12, 13, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 729 ft³/s Oct. 24; minimum daily (unaffected by backwater), 49 ft³/s Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	-50	376	307	216	184	287	256	267	342	239	237
2	189	0	375	276	211	225	274	256	261	328	251	254
3	154	0	353	258	205	259	267	279	251	317	249	259
4	139	30	327	247	222	319	269	279	251	307	242	256
5	136	124	299	232	319	280	275	272	260	287	242	254
6	126	250	280	218	299	278	281	264	267	257	248	253
7	111	356	269	229	264	278	289	251	274	234	254	251
8	97	450	260	258	219	277	290	248	278	269	259	250
9	83	500	254	288	183	281	287	251	285	278	260	250
10	70	550	249	278	169	280	282	253	265	276	258	250
11	57	573	254	354	185	274	277	252	277	272	294	252
12	49	580	439	368	203	318	275	250	277	269	346	254
13	178	600	655	343	209	359	272	253	264	262	294	252
14	432	659	585	265	207	322	269	257	246	259	273	250
15	468	618	499	220	207	290	264	258	215	255	270	250
16	715	597	461	225	197	254	261	258	181	249	289	249
17	646	581	439	246	191	213	259	258	203	248	263	250
18	485	558	426	263	196	212	259	261	232	255	252	250
19	318	545	407	272	200	449	258	255	246	253	247	250
20	215	535	382	271	223	487	322	244	253	266	242	250
21	223	520	358	264	223	455	314	246	251	286	246	262
22	269	502	341	256	201	395	294	250	245	248	252	276
23	386	481	330	254	178	297	281	253	240	241	256	265
24	729	455	323	245	160	233	266	253	242	241	253	263
25	704	434	314	236	170	273	251	270	245	253	253	262
26	595	412	307	263	194	216	255	330	239	316	255	261
27	700	388	324	296	193	234	259	350	227	370	256	257
28	500	414	385	221	168	280	267	387	228	301	260	255
29	100	395	339	204	---	294	265	308	261	273	252	254
30	-34	378	307	213	---	299	261	294	321	255	242	252
31	-50	---	316	218	---	298	---	271	---	234	235	---
TOTAL	9060	12435	11233	8088	5812	9113	8230	8367	7552	8501	8032	7628
MEAN	292	415	362	261	208	294	274	270	252	274	259	254
MAX	729	659	655	368	319	487	322	387	321	370	346	276
MIN	-50	-50	249	204	160	184	251	244	181	234	235	237
CAL YR 1985	TOTAL	105236	MEAN	288	MAX	735	MIN	-50				
WTR YR 1986	TOTAL	104051	MEAN	285	MAX	729	MIN	-50				

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.06	21.70	13.64	13.10	12.27	11.94	12.92	12.76	13.03	13.72	12.76	12.74
2	12.22	21.40	13.64	12.83	12.21	12.35	12.81	12.76	12.98	13.59	12.88	12.91
3	11.79	20.96	13.47	12.67	12.15	12.68	12.75	12.99	12.88	13.49	12.86	12.96
4	11.61	20.40	13.26	12.57	12.33	13.19	12.76	13.00	12.88	13.40	12.79	12.93
5	11.56	19.85	13.03	12.43	13.19	12.86	12.82	12.93	12.97	13.23	12.79	12.91
6	11.43	19.33	12.86	12.29	13.03	12.85	12.87	12.87	13.04	12.93	12.85	12.90
7	11.22	18.80	12.76	12.40	12.72	12.84	12.94	12.74	13.10	12.71	12.91	12.88
8	11.00	18.26	12.69	12.67	12.29	12.84	12.95	12.72	13.14	13.05	12.96	12.87
9	10.77	17.73	12.63	12.93	11.92	12.87	12.93	12.76	13.21	13.14	12.97	12.87
10	10.55	17.22	12.59	12.85	11.77	12.87	12.89	12.78	13.01	13.12	12.95	12.87
11	10.34	16.74	12.63	13.48	11.94	12.81	12.85	12.78	13.13	13.08	13.27	12.89
12	10.21	16.28	14.08	13.58	12.14	13.18	12.83	12.76	13.13	13.05	13.75	12.91
13	12.01	15.86	15.51	13.39	12.19	13.51	12.81	12.79	13.01	12.99	13.29	12.89
14	14.43	15.54	15.07	12.73	12.18	13.22	12.79	12.84	12.83	12.96	13.09	12.87
15	14.70	15.27	14.52	12.30	12.17	12.95	12.75	12.86	12.50	12.92	13.06	12.87
16	16.34	15.14	14.26	12.36	12.07	12.63	12.73	12.87	12.12	12.86	13.24	12.86
17	15.91	15.04	14.11	12.56	12.01	12.23	12.71	12.87	12.37	12.85	13.00	12.87
18	14.82	14.90	14.01	12.71	12.06	12.23	12.72	12.91	12.69	12.92	12.89	12.87
19	13.49	14.82	13.88	12.79	12.10	14.17	12.71	12.85	12.83	12.90	12.84	12.87
20	12.50	14.76	13.70	12.78	12.34	14.44	13.30	12.75	12.90	13.01	12.79	12.87
21	12.59	14.66	13.51	12.72	12.33	14.22	13.24	12.77	12.88	13.21	12.83	12.99
22	13.05	14.54	13.37	12.65	12.11	13.79	13.07	12.82	12.82	12.85	12.89	13.12
23	14.01	14.40	13.29	12.63	11.87	13.00	12.95	12.85	12.77	12.78	12.93	13.01
24	16.42	14.22	13.23	12.55	11.67	12.43	12.81	12.86	12.79	12.78	12.90	13.00
25	16.27	14.07	13.16	12.46	11.78	12.80	12.67	13.02	12.82	12.90	12.90	12.99
26	15.58	13.91	13.10	12.71	12.04	12.26	12.72	13.58	12.76	13.47	12.92	12.98
27	16.54	13.74	13.23	13.00	12.03	12.44	12.77	13.76	12.63	13.94	12.93	12.94
28	19.38	13.93	13.72	12.32	11.75	12.86	12.84	14.07	12.64	13.35	12.97	12.92
29	20.61	13.79	13.35	12.14	---	12.99	12.84	13.40	12.97	13.09	12.89	12.91
30	21.75	13.66	13.10	12.23	---	13.02	12.80	13.28	13.53	12.92	12.79	12.89
31	21.93	---	13.17	12.29	---	13.02	---	13.07	---	12.71	12.72	---
MAX	21.93	21.70	15.51	13.58	13.19	14.44	13.30	14.07	13.53	13.94	13.75	13.12
MIN	10.21	13.66	12.59	12.14	11.67	11.94	12.67	12.72	12.12	12.71	12.72	12.74

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TO SEPTEMBER

10 SEP 1982

07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.06	14.33	10.40	10.31	9.89	9.81	9.30	9.29	9.69	9.75	9.11	9.23
2	9.95	14.19	10.38	10.17	9.87	9.71	9.28	9.22	9.60	9.71	9.14	9.29
3	9.74	13.98	10.34	10.07	9.87	9.51	9.28	9.25	9.58	9.70	9.15	9.37
4	9.63	13.70	10.27	10.02	10.32	9.75	9.30	9.28	9.58	9.63	9.15	9.32
5	9.56	13.41	10.18	9.93	10.43	9.62	9.30	9.30	9.54	9.51	9.16	9.29
6	9.54	13.14	10.09	9.90	10.39	9.34	9.28	9.31	9.53	9.37	9.19	9.27
7	9.49	12.87	10.02	9.91	10.22	9.32	9.24	9.28	9.51	9.26	9.22	9.27
8	9.42	12.62	10.00	9.95	10.04	9.30	9.22	9.24	9.51	9.31	9.25	9.26
9	9.36	12.38	9.98	10.11	9.91	9.32	9.17	9.24	9.53	9.40	9.26	9.25
10	9.31	12.15	9.96	10.33	9.93	9.33	9.18	9.26	9.50	9.42	9.28	9.29
11	9.25	11.94	10.01	10.38	9.83	9.30	9.17	9.28	9.50	9.40	9.58	9.30
12	9.21	11.76	10.62	10.39	9.90	9.67	9.18	9.27	9.48	9.37	9.92	9.30
13	9.73	11.61	11.17	10.34	9.94	9.76	9.18	9.24	9.42	9.33	9.65	9.27
14	10.41	11.47	10.04	10.18	9.98	9.59	9.18	9.29	9.37	9.30	9.48	9.26
15	10.66	11.36	10.87	9.96	9.97	9.43	9.14	9.34	9.27	9.27	9.37	9.26
16	11.17	11.36	10.72	9.92	9.96	9.29	9.13	9.37	9.13	9.27	9.45	9.25
17	11.20	11.26	10.62	9.98	9.95	9.15	9.15	9.40	9.14	9.31	9.39	9.25
18	10.92	11.17	10.56	10.04	9.92	9.15	9.19	9.44	9.26	9.28	9.30	9.28
19	10.48	11.10	10.50	10.08	9.92	9.85	9.24	9.39	9.31	9.25	9.24	9.29
20	10.09	11.05	10.44	10.10	9.97	10.08	9.49	9.29	9.36	9.30	9.22	9.30
21	9.96	10.97	10.37	10.07	10.00	10.00	9.50	9.28	9.37	9.52	9.25	9.33
22	10.39	10.90	10.31	10.01	9.94	9.82	9.36	9.34	9.36	9.26	9.29	9.47
23	11.01	10.81	10.26	9.99	9.87	9.53	9.31	9.38	9.31	9.20	9.31	9.41
24	12.02	10.71	10.22	10.00	9.80	9.22	9.30	9.37	9.29	9.25	9.29	9.38
25	11.58	10.61	10.19	10.11	9.80	9.21	9.25	9.71	9.33	9.26	9.26	9.37
26	11.30	10.54	10.20	10.04	9.89	9.14	9.25	10.46	9.45	9.43	9.28	9.36
27	11.96	10.49	10.39	10.09	9.91	9.04	9.30	10.32	9.48	9.83	9.36	9.34
28	13.76	10.73	10.64	10.00	9.80	9.17	9.33	10.32	9.40	9.52	9.34	9.32
29	14.26	10.52	10.41	9.86	---	9.27	9.31	10.07	9.54	9.33	9.27	9.32
30	14.65	10.43	10.27	9.85	---	9.30	9.30	10.03	9.66	9.22	9.24	9.50
31	14.53	---	10.36	9.89	---	9.32	---	9.81	---	9.13	9.22	---
MAX	14.65	14.33	11.17	10.39	10.43	10.08	9.50	10.46	9.69	9.83	9.92	9.50
MIN	9.21	10.43	9.96	9.85	9.80	9.04	9.13	9.22	9.13	9.13	9.11	9.23

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", on line between lots 76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street at Lafayette, 0.6 mi north of Lafayette Airport, and 1.4 mi upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 2.07 ft below mean low Gulf level or 2.85 ft below National Geodetic Vertical Datum of 1929. Prior to 1982, datum of gage was 1.53 ft below mean low Gulf or 2.31 ft below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--Records poor. No gage-height record for the period Oct. 29 to Nov. 19, Nov. 28 to Dec. 5, Dec. 24, to Jan. 13, Feb. 15 to Mar. 4, May 23 to June 18. Discharges are affected by tide at all stages; diversions above and below station for irrigation. No velocity record for the periods Oct. 27-31, Dec. 24 to Jan. 14, 17, 18, Jan. 31 to Feb. 5, Feb. 15 to Mar. 5, Mar. 27, June 19-21, 28-29, July 6-8, 19-21, and Aug. 24.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 4,960 ft³/s, May 22, 1980; maximum gage height 15.02 ft May 17, 1980; minimum daily discharge recorded, -5,230 ft³/s May 17, 1980; minimum gage height 0.79 ft Nov. 20, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,800 ft³/s Oct. 28; maximum gage height (recorded), 13.53 ft Oct. 29; minimum daily discharge, 4.8 ft³/s Sept. 13; minimum gage height (recorded), 3.09 ft Jan. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	500	1160	600	300	380	871	536	640	1480	822	394
2	1390	700	1200	460	100	360	1110	345	580	1230	814	415
3	1040	580	1040	450	85	800	1060	742	540	189	811	1240
4	732	520	1080	580	240	1200	753	540	1000	986	728	1170
5	707	620	880	660	440	1520	963	349	860	934	589	1130
6	499	660	680	480	2280	1380	1140	231	680	750	621	1060
7	348	600	615	320	1660	1280	1210	372	500	840	708	987
8	210	560	569	360	1300	1240	922	383	280	920	720	994
9	240	520	449	520	732	1180	1010	486	260	718	601	925
10	192	480	416	760	127	1030	868	444	240	1050	519	891
11	160	620	400	600	761	882	621	582	540	1330	1020	630
12	149	560	575	540	745	586	430	576	700	1430	1600	230
13	573	500	812	1060	688	967	554	819	640	1220	1270	4.8
14	1290	430	1720	810	760	708	365	556	520	922	1140	309
15	1310	340	1630	452	400	821	686	389	400	1240	515	149
16	1530	520	1460	438	300	836	868	443	300	779	827	243
17	1810	700	1290	440	460	588	833	434	200	805	1310	151
18	1770	1100	1040	460	360	320	658	624	500	556	1250	61
19	1690	1600	968	619	320	1040	664	777	700	413	925	899
20	1440	2010	908	767	700	1990	532	615	900	431	1010	979
21	1170	2030	890	609	500	2000	1070	470	840	856	889	975
22	1030	1890	733	536	400	1390	722	420	806	1250	922	899
23	143	1790	673	872	340	1270	748	360	974	875	908	711
24	698	1650	640	888	300	814	327	300	1490	591	950	645
25	2230	1370	600	671	460	850	412	240	913	766	1000	482
26	2490	1150	900	1400	380	731	701	1200	554	875	973	625
27	2600	1110	910	1470	300	802	876	1240	1220	1570	965	555
28	2800	1300	700	1120	540	985	784	1000	739	1090	1010	599
29	2500	1200	640	759	---	798	546	770	296	904	959	589
30	1400	1120	600	925	---	764	724	1100	1370	882	754	597
31	550	---	720	620	---	846	---	900	---	953	596	---
TOTAL	36361	28730	26898	21246	15978	30358	23028	18243	20182	28835	27726	19538.8
MEAN	1173	958	868	685	571	979	768	588	673	930	894	651
MAX	2800	2030	1720	1470	2280	2000	1210	1240	1490	1570	1600	1240
MIN	143	340	400	320	85	320	327	231	200	189	515	4.8

WTR YR 1986 TOTAL 297123.8 MEAN 814 MAX 2800 MIN 4.8

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.72	---	---	---	4.25	---	4.99	5.25	---	6.40	4.41	5.12
2	6.89	---	---	---	4.12	---	4.93	5.06	---	6.23	4.29	5.40
3	6.07	---	---	---	4.19	---	5.42	4.68	---	6.90	4.38	5.59
4	5.45	---	---	---	5.53	---	5.63	4.81	---	6.90	4.54	5.33
5	4.66	---	---	---	6.50	5.24	5.53	5.24	---	6.30	4.69	5.06
6	4.08	---	4.68	---	6.32	5.31	5.35	5.33	---	6.00	4.86	4.83
7	4.35	---	4.69	---	5.59	4.79	5.03	5.43	---	5.78	4.95	4.81
8	4.69	---	4.69	---	5.34	4.90	4.87	5.37	---	5.74	5.06	4.80
9	4.60	---	4.60	---	4.85	4.99	4.56	5.30	---	5.76	5.18	4.86
10	4.59	---	4.70	---	5.33	5.11	4.58	5.15	---	5.86	5.17	5.14
11	4.34	---	5.14	---	4.00	4.96	4.78	5.24	---	5.71	5.25	5.36
12	4.51	---	6.99	---	3.45	6.03	4.98	5.14	---	5.60	7.17	5.29
13	5.64	---	8.72	---	4.03	6.57	4.99	4.81	---	5.45	6.50	5.39
14	7.01	---	8.07	5.04	4.03	6.27	5.15	4.82	---	5.29	5.95	5.19
15	7.46	---	7.91	4.56	---	5.89	4.91	5.32	---	5.17	5.56	5.08
16	8.28	---	7.57	4.26	---	5.47	4.51	5.71	---	5.17	5.50	5.06
17	8.18	---	7.03	4.37	---	5.24	4.55	5.89	---	5.17	5.49	4.89
18	8.23	---	6.46	4.23	---	5.79	5.03	5.87	---	5.03	5.01	5.18
19	8.13	---	5.80	4.08	---	7.43	5.29	5.51	4.84	5.11	4.50	5.14
20	7.85	9.91	5.48	3.91	---	6.94	6.19	4.98	4.88	4.94	4.46	5.45
21	7.50	9.45	4.98	4.00	---	6.57	5.76	5.01	5.11	5.13	4.64	5.63
22	6.97	9.04	4.79	3.84	---	6.07	5.32	5.24	5.23	5.25	4.96	5.47
23	8.13	8.68	4.77	3.48	---	5.65	5.01	---	5.03	5.07	4.99	5.34
24	10.25	8.20	---	3.88	---	5.19	5.05	---	5.06	5.32	4.84	5.16
25	9.81	7.72	---	5.70	---	4.88	5.01	---	5.23	5.17	4.59	5.37
26	9.66	7.32	---	5.32	---	4.89	5.04	---	6.83	4.87	4.55	5.31
27	10.55	6.96	---	3.86	---	4.61	5.28	---	7.00	5.67	4.63	4.98
28	12.82	---	---	3.73	---	4.44	5.34	---	6.34	5.71	4.81	4.77
29	---	---	---	3.96	---	4.66	5.11	---	6.63	5.20	4.64	4.76
30	---	---	---	3.80	---	4.76	5.24	---	6.61	4.76	4.71	4.34
31	---	---	---	4.09	---	4.96	---	---	---	4.51	4.90	---
MAX	---	---	8.72	---	---	7.43	6.19	---	7.00	6.90	7.17	5.63
MIN	4.08	---	---	3.48	---	4.44	4.51	4.68	---	4.51	4.29	4.34

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA

LOCATION.--Lat 30°09'45", long 92°03'20", between lots 68 and 69, T.10 S., R.4 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on State Highway 3073, 4.1 mi downstream from Coulee Mine, 4.8 mi southwest of Central School at Lafayette, and 7.8 mi downstream from gaging station Vermilion River at Surrey Street, at Lafayette (station 07386880).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1969 to January 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to September 1981.

pH: October 1976 to September 1981.

WATER TEMPERATURES: October 1970 to September 1981.

DISSOLVED OXYGEN: November 1970 to September 1981.

INSTRUMENTATION.--Water-quality monitor October 1970 to September 1981.

REMARKS.--Upper limit of dissolved oxygen sensor, 15.0 mg/L.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,140 micromhos Sept. 25, 1972; minimum, 20 micromhos Sept. 6, 1973, Feb. 6, 1976.

pH: Maximum, 8.1 units July 30, 1980; minimum, 5.5 units May 17, 18, 1980.

WATER TEMPERATURES: Maximum, 35.5°C June 27, 28, 1973, July 20, Aug. 18, 1981; minimum, 3.5°C Jan. 12, Feb. 11, 1973, Jan. 21, 1978.

DISSOLVED OXYGEN: Maximum, 15.0 mg/L Sept. 11, 12, 22, 1972, Jan. 30, 1973; minimum, 0.0 mg/L on several days during summer months in 1973-75, 1977-79, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 21...	1130	117	7.00	25.0	70	10	0.4	—	2200
JAN 02...	0915	136	7.30	11.5	70	60	7.0	2.6	6200

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 21...	2900	35	9.4	2.9	6.3	5.5	35	6.2
JAN 02...	740	41	10	4.0	10	4.1	40	12

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 21...	8.5	<0.1	7.7	94	68	0.06	1.3	0.62
JAN 02...	13	<0.1	9.2	101	86	0.35	1.4	0.39

< Actual value is known to be less than the value shown.

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 21...	3	2	1	1	20	<1	7	15	190	17000	5
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 21...	30	100	690	0.1	<0.01	10	85	8.3	<0.01	7	<0.1
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 21...	9	<0.1	<1	<0.001	<0.1	<0.1	27	<0.001	19	<0.001	8.1
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 21...	<0.001	<0.1	0.02	0.1	<0.001	0.8	<0.001	<0.1	<0.001	<0.1	
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 21...	<0.01	<0.1	<0.001	<0.1	<0.001	<0.1	<0.001	<0.1	<0.01	<0.1	
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 21...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 21...	<0.1	<1	<1	<10	<0.01	<0.1	0.52	<0.01	<0.01	<0.01	

< Actual value is known to be less than the value shown.

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between lots 60 and 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.34 ft below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1982 datum of gage 2.95 ft below National Geodetic Vertical of 1929.

REMARKS.--Records fair. Discharge affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft³/s Oct. 28, 1985; maximum gage height recorded, 12.06 ft May 31, 1979; minimum discharge, -2,800 ft³/s Aug. 15, 1985; minimum gage height recorded, 0.66 ft Dec. 25, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,800 ft³/s Oct. 28; maximum gage height, 10.40 ft Oct. 29; minimum discharge recorded, -2,450 ft³/s Jan. 6; minimum gage height recorded, 1.22 ft Jan. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1870	7840	1600	1400	315	-526	281	941	2140	2210	1280	443
2	1040	6940	1970	837	180	322	141	1570	2040	2230	1260	689
3	831	5380	886	635	-4.2	742	195	884	1680	3910	1170	1400
4	550	4950	996	717	1740	1110	229	780	2480	4610	1540	1230
5	847	5230	986	732	2160	498	257	506	1680	2840	1740	1170
6	123	4940	683	-430	1880	1510	347	694	1020	2280	2160	1070
7	-1.1	5080	322	807	990	696	288	885	427	2000	2130	1040
8	-229	4720	267	445	868	768	287	798	332	1850	2270	808
9	-51	4490	360	392	691	724	270	1170	339	2130	2410	908
10	63	4460	399	3090	1530	1070	217	978	352	2390	3300	721
11	-225	4890	669	2610	770	588	221	1020	497	2090	3720	722
12	-15	4460	3260	1540	84	1810	220	1680	921	1980	4230	1220
13	776	4000	6950	1080	-89	2170	228	1380	851	2020	2820	1060
14	1240	3900	3910	507	984	1460	226	674	370	2010	2370	712
15	1390	3640	2560	335	524	1470	323	802	259	2100	2040	816
16	2020	4210	2500	-105	525	1170	223	523	179	1840	1960	767
17	1480	4070	2200	115	841	462	112	698	166	2020	1840	681
18	1180	3240	1740	214	728	454	659	1960	1050	1980	2030	724
19	1460	2680	1130	274	586	4010	506	1700	955	1950	1250	837
20	1720	2270	1650	340	547	2550	1870	973	1290	1980	1300	972
21	1610	1870	847	314	666	1630	1600	772	1510	2140	1100	1210
22	1190	1350	599	466	987	1290	744	455	1890	2290	1290	1470
23	2510	1520	732	486	82	1320	265	938	859	2600	1300	1410
24	5670	1800	1040	4.0	300	1170	639	939	1190	3600	1240	1050
25	3140	1330	1200	1630	382	805	612	1670	66	2830	790	824
26	2730	1400	-2.7	1970	329	764	528	4450	2510	2730	704	948
27	5310	1490	1670	792	774	695	645	3600	3590	2780	539	786
28	8160	2530	3750	-143	814	202	1470	4110	2330	3030	572	807
29	7200	1810	1980	632	---	290	813	3240	3270	2810	466	473
30	7810	1280	1100	334	---	242	966	4010	2500	2150	428	897
31	8160	---	2230	150	---	273	---	2720	---	1610	440	---
TOTAL	69558.1	107770	50183.3	22170.0	20183.8	31739	15382	47520	38743	74990	51689	27865
MEAN	2244	3592	1619	715	721	1024	513	1533	1291	2419	1667	929
MAX	8160	7840	6950	3090	2160	4010	1870	4450	3590	4610	4230	1470
MIN	-229	1280	-2.7	-430	-89	-526	112	455	66	1610	428	443

WTR YR 1986 TOTAL 557794.0 MEAN 1528 MAX 8160 MIN -526

07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.20	8.54	5.39	4.16	4.50	2.77	4.51	5.10	5.25	5.00	3.59	4.90
2	4.64	8.02	3.45	4.52	4.30	3.99	4.59	4.64	5.07	4.78	3.47	5.19
3	4.92	7.06	4.50	4.43	4.55	3.81	5.56	4.27	5.25	4.77	3.91	5.10
4	4.90	6.19	5.00	4.59	5.51	3.44	5.75	4.66	5.40	4.85	4.11	4.90
5	3.90	5.90	4.39	3.38	5.25	3.88	5.44	5.40	5.44	4.73	4.30	4.58
6	4.07	5.96	3.99	4.27	4.76	4.11	4.97	5.34	5.29	4.77	4.52	4.42
7	4.72	5.86	4.67	4.55	4.35	3.86	4.58	5.47	5.15	4.58	4.52	4.55
8	5.19	5.87	4.70	3.60	4.91	4.53	4.43	5.43	5.28	4.59	4.53	4.50
9	5.04	6.37	4.72	3.75	4.29	4.73	3.79	5.14	5.43	5.03	4.68	4.76
10	5.06	6.24	4.98	4.55	4.25	4.80	4.27	5.04	5.31	5.19	4.53	5.20
11	4.87	6.15	5.33	4.47	2.17	4.70	4.46	5.25	5.02	4.84	4.60	5.39
12	5.02	5.96	5.76	4.50	3.16	5.53	4.75	4.79	4.42	4.93	4.71	4.96
13	5.19	5.95	6.56	3.85	4.09	4.73	4.69	4.39	4.25	4.64	4.63	4.69
14	5.43	5.90	4.24	3.91	4.77	4.83	5.11	4.68	4.28	4.54	4.80	4.86
15	5.33	5.97	4.61	4.10	4.00	4.52	4.12	5.52	4.35	4.42	4.70	4.95
16	5.42	6.25	4.60	4.23	4.77	4.25	3.70	6.05	4.54	4.30	4.48	4.83
17	5.62	6.23	4.55	4.56	4.63	4.68	4.37	6.23	4.59	4.24	4.25	5.02
18	6.10	6.45	4.54	4.30	4.17	5.99	4.96	5.45	4.50	4.28	3.56	5.21
19	6.03	6.32	3.95	4.03	4.29	5.28	5.38	4.57	4.45	4.18	3.60	5.29
20	5.84	5.17	4.21	3.90	4.22	3.51	5.74	4.29	4.57	3.98	3.91	5.23
21	5.48	4.27	4.14	4.06	4.17	3.34	4.06	4.92	4.67	4.05	4.37	5.16
22	5.60	5.12	4.36	3.82	3.63	3.45	3.87	5.31	4.72	4.21	4.63	5.22
23	6.36	5.69	4.42	3.32	3.30	3.95	4.38	5.57	4.75	4.16	4.69	5.04
24	7.50	5.14	4.24	4.29	4.30	3.88	4.71	5.36	4.85	4.34	4.17	5.44
25	6.12	5.43	3.10	5.24	4.00	4.17	4.84	5.31	5.46	4.20	3.97	5.60
26	5.62	5.56	3.71	3.48	4.43	4.44	4.91	5.94	6.75	4.06	4.08	5.49
27	6.80	5.33	4.86	1.77	3.92	3.96	5.30	5.75	5.64	3.88	4.31	5.26
28	9.48	5.54	5.29	3.66	2.45	4.01	5.06	5.56	4.76	3.76	4.35	5.34
29	10.18	5.04	4.55	3.88	---	4.19	4.78	5.19	5.10	3.70	4.07	5.66
30	10.15	5.32	4.73	3.87	---	4.36	5.12	5.71	5.09	3.53	4.50	5.65
31	9.67	---	5.00	4.39	---	4.57	---	5.28	---	3.79	4.74	---
MAX	10.18	8.54	6.56	5.24	5.51	5.99	5.75	6.23	6.75	5.19	4.80	5.66
MIN	3.90	4.27	3.10	1.77	2.17	2.77	3.70	4.27	4.25	3.53	3.47	4.42

LOCATION.--Lat 30°29'00", long 92°29'25", in SW 1/4 SE 1/4 sec.32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

PERIOD OF RECORD.--October 1938 to current year.

REVISÉD RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Estimated daily discharges: Feb. 26, Mar. 2, 10, 11, May 15-20, 23-25. Records fair. Small diversion above station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 268 ft³/s, 27.89 in/yr, 194,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s May 20, 1953, gage height, 22.36 ft. No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 8,500 ft³/s Oct. 31, gage height, 20.74 ft; minimum daily discharge, 3.3 ft³/s May. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	809	7550	137	91	18	8.5	26	14	35	892	17	25
2	233	6510	251	53	18	7.8	25	26	29	350	17	23
3	60	5040	101	41	18	8.3	51	49	19	257	13	21
4	31	2660	48	35	104	290	55	22	51	134	19	19
5	22	1060	31	25	473	98	65	9.5	26	80	8.1	17
6	20	535	20	22	156	34	40	10	7.3	74	11	16
7	13	304	17	59	67	20	40	11	7.9	46	12	17
8	9.9	169	15	97	40	12	28	10	39	91	35	16
9	9.6	78	14	61	25	8.3	23	9.4	1040	78	47	15
10	9.7	49	13	301	17	6.8	19	6.3	1040	78	216	13
11	14	37	135	723	15	6.7	22	5.7	596	67	375	12
12	145	30	1110	263	15	249	54	6.1	167	116	697	16
13	579	29	1830	110	14	514	138	5.7	70	73	322	14
14	658	31	1250	73	15	137	85	5.2	33	32	96	14
15	456	26	354	65	17	56	56	5.0	15	57	86	19
16	342	30	109	61	15	28	39	4.7	13	51	141	21
17	173	72	67	76	13	20	23	4.2	30	29	122	20
18	83	62	50	68	16	310	14	4.1	29	54	87	17
19	55	41	38	52	17	2920	14	4.0	16	68	46	16
20	283	33	30	39	18	3080	322	3.8	12	45	28	62
21	521	29	28	31	16	1320	280	5.9	33	42	22	77
22	321	27	27	32	14	305	93	5.1	14	244	21	233
23	296	23	24	36	12	88	45	4.2	176	106	21	58
24	1480	20	21	28	9.9	58	50	3.3	73	130	355	29
25	979	20	19	43	8.8	69	26	33	21	104	260	26
26	297	22	19	154	7.9	55	17	111	22	163	68	64
27	913	31	144	74	8.3	56	14	182	53	139	46	64
28	4210	550	504	32	8.8	68	13	337	45	67	280	41
29	5520	481	170	25	---	92	12	207	786	66	84	34
30	7840	141	73	24	---	100	11	49	1780	39	41	23
31	8300	---	63	19	---	56	---	24	---	20	27	---
TOTAL	34682.2	25690	6712	2813	1176.7	10081.4	1700	1177.2	6278.2	3792	3620.1	1042
MEAN	1119	856	217	90.7	42.0	325	56.7	38.0	209	122	117	34.7
MAX	8300	7550	1830	723	473	3080	322	337	1780	892	697	233
MIN	9.6	20	13	19	7.9	6.7	11	3.3	7.3	20	8.1	12
CFSM	8.54	6.53	1.66	.69	.32	2.48	.43	.29	1.60	.93	.89	.26
IN.	9.85	7.30	1.91	.80	.33	2.86	.48	.33	1.78	1.08	1.03	.30
AC-FT	68790	50960	13310	5580	2330	20000	3370	2330	12450	7520	7180	2070
CAL YR 1985	TOTAL	125600.8		MEAN	344							
WTR YR 1986	TOTAL	98764.8		MEAN	271							
								</				

08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.91	20.26	4.74	3.89	1.98	1.60	2.47	2.14	2.82	11.97	1.95	1.81
2	6.03	19.69	6.58	2.96	2.00	---	2.42	2.50	2.67	7.77	1.94	1.75
3	2.95	18.72	4.08	2.67	1.98	---	3.12	3.13	2.37	6.68	1.80	1.67
4	2.20	16.50	2.83	2.50	3.65	7.01	3.23	2.36	3.24	4.76	2.01	1.59
5	1.92	13.04	2.39	2.23	9.01	3.97	3.47	1.93	2.55	3.64	1.58	1.53
6	1.84	9.58	2.05	2.11	5.10	2.46	2.87	1.96	1.88	3.50	1.72	1.49
7	1.61	7.27	1.94	3.08	3.31	2.05	2.87	2.02	1.92	2.79	1.75	1.52
8	1.48	5.37	1.87	4.02	2.65	1.75	2.54	1.98	2.69	3.88	2.51	1.49
9	1.46	3.59	1.84	3.16	2.22	1.59	2.39	1.93	12.96	3.59	2.78	1.44
10	1.47	2.86	1.81	6.53	1.95	---	2.25	1.76	13.20	3.59	6.11	1.37
11	1.63	2.57	3.85	11.19	1.87	---	2.33	1.72	10.05	3.32	8.03	1.34
12	3.72	2.38	13.22	6.63	1.87	5.60	3.17	1.75	5.29	4.43	10.98	1.48
13	9.97	2.35	15.42	4.29	1.84	9.35	4.97	1.73	3.40	3.45	7.34	1.44
14	10.64	2.40	13.65	3.47	1.88	4.79	3.92	1.69	2.45	2.38	3.83	1.43
15	8.83	2.26	7.60	3.26	1.95	3.04	3.25	---	1.89	3.06	3.57	1.59
16	7.74	2.37	4.27	3.17	1.90	2.31	2.86	---	1.80	2.89	4.89	1.67
17	5.40	3.44	3.32	3.54	1.82	2.06	2.38	---	2.34	2.33	4.49	1.64
18	3.73	3.19	2.88	3.35	1.90	5.12	2.08	---	2.34	2.98	3.62	1.51
19	3.01	2.67	2.59	2.94	1.96	16.89	2.08	---	1.91	3.36	2.47	1.48
20	6.47	2.46	2.38	2.61	1.98	17.10	7.16	---	1.74	2.77	1.93	2.93
21	9.48	2.34	2.31	2.38	1.92	13.77	6.88	1.76	2.41	2.63	1.71	3.21
22	7.37	2.28	2.29	2.42	1.86	7.03	4.11	1.70	1.84	6.49	1.65	6.23
23	6.73	2.15	2.20	2.54	1.76	3.99	3.00	---	5.34	4.21	1.68	2.81
24	14.50	2.05	2.10	2.30	1.68	3.29	3.13	---	3.43	4.70	7.10	1.94
25	12.52	2.06	2.01	2.68	1.62	3.56	2.50	---	2.06	4.18	6.44	1.86
26	6.95	2.11	2.01	5.12	---	3.23	2.20	4.53	2.13	5.23	3.10	2.98
27	10.77	2.34	4.24	3.47	1.59	3.27	2.12	5.69	2.98	4.85	2.45	2.99
28	18.07	9.61	9.30	2.41	1.62	3.53	2.06	7.69	2.77	3.32	6.80	2.34
29	19.06	9.03	5.32	2.21	---	4.06	2.02	5.97	10.41	3.30	3.54	2.10
30	20.42	4.88	3.47	2.18	---	4.24	1.98	3.19	15.30	2.60	2.31	1.76
31	20.65	---	3.20	2.02	---	3.25	---	2.54	---	2.04	1.87	---
MAX	20.65	20.26	15.42	11.19	9.01	17.10	7.16	7.69	15.30	11.97	10.98	6.23
MIN	1.46	2.05	1.81	2.02	---	---	1.98	---	1.74	2.04	1.58	1.34

LOCATION.--Lat 30°28'50", long 92°37'55", in NE 1/4 NW 1/4 sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft above National Geodetic Vertical Datum of 1929. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979 to Sept. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--48 years, 823 ft³/s, 21.21 in/yr, 596,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,100 ft³/s Nov. 1, gage height, 30.65 ft; minimum, 12 ft³/s Sept. 16, 17, 18, 19; minimum gage height, 1.43 ft Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	1090	28600	1320	352	114	31	160	38	379	822	89	55			
2	1280	25600	1230	363	94	30	155	101	343	825	86	43			
3	1020	20500	1190	347	84	33	136	463	243	800	79	35			
4	574	15100	954	278	218	134	122	335	164	798	74	33			
5	271	11500	813	214	959	281	115	225	153	753	71	33			
6	152	8650	599	173	1410	207	89	159	142	596	73	28			
7	102	6280	358	157	1360	131	78	107	110	363	82	22			
8	63	4910	227	273	1110	90	80	71	141	230	78	32			
9	44	4150	176	372	812	66	76	48	488	194	88	49			
10	45	3490	151	455	476	54	75	41	1070	172	93	31			
11	39	2810	161	785	267	50	72	35	1150	157	111	25			
12	46	2110	635	928	179	81	89	32	1040	157	390	22			
13	68	1330	1390	757	136	490	137	32	924	182	503	19			
14	194	706	1800	536	110	614	142	30	765	149	366	17			
15	291	392	2200	354	94	621	101	30	458	111	282	15			
16	734	247	2400	244	83	637	74	27	205	141	294	13			
17	892	451	2300	190	77	510	66	27	106	131	289	13			
18	832	569	1900	234	72	337	59	31	77	117	220	12			
19	765	496	1500	281	68	777	52	27	61	115	166	24			
20	948	396	1000	232	65	1330	162	31	55	99	128	133			
21	1650	300	700	171	61	1190	499	31	87	86	104	222			
22	2350	233	450	132	57	869	517	30	132	90	88	330			
23	2840	184	279	116	53	577	422	27	154	145	78	360			
24	3400	144	186	121	48	354	266	22	132	172	78	294			
25	3660	113	152	134	45	205	144	20	97	194	81	186			
26	3400	95	137	669	41	153	81	230	88	229	70	130			
27	3380	91	161	922	37	139	52	495	79	289	63	97			
28	5440	437	338	687	34	129	47	436	70	241	57	91			
29	9510	1200	479	395	---	135	46	424	246	161	79	92			
30	17300	1450	358	230	---	166	45	260	669	114	87	79			
31	25000	---	306	156	---	188	---	248	---	94	67	---			
TOTAL	87380	142534	25850	11258	8164	10609	4159	4113	9828	8727	4414	2535			
MEAN	2819	4751	834	363	292	342	139	133	328	282	142	84.5			
MAX	25000	28600	2400	928	1410	1330	517	495	1150	825	503	360			
MIN	39	91	137	116	34	30	45	20	55	86	57	12			
CF SM	5.35	9.02	1.58	.69	.55	.65	.26	.25	.62	.54	.27	.16			
IN.	6.17	10.06	1.82	.79	.58	.75	.29	.29	.69	.62	.31	.18			
AC-FT	173300	282700	51270	22330	16190	21040	8250	8160	19490	17310	8760	5030			
CAL YR	1985	TOTAL	439821	MEAN	1205	MAX	28600	MIN	10	CF SM	2.29	IN.	31.05	AC-FT	872400
WTR YR	1986	TOTAL	319571	MEAN	876	MAX	28600	MIN	12	CF SM	1.66	IN.	22.56	AC-FT	633900

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.49	30.59	14.73	7.48	4.17	2.13	4.90	2.60	7.78	11.79	3.64	2.77
2	14.56	30.15	14.31	7.61	3.78	2.09	4.83	3.69	7.37	11.81	3.59	2.47
3	13.11	29.04	14.07	7.42	3.55	2.17	4.54	8.65	6.12	11.62	3.42	2.24
4	9.67	27.46	12.75	6.59	5.53	4.46	4.30	7.26	4.96	11.60	3.29	2.17
5	6.46	25.85	11.72	5.72	12.60	6.63	4.17	5.88	4.81	11.24	3.22	2.18
6	4.79	24.25	9.95	5.11	15.19	5.61	3.71	4.89	4.64	9.91	3.28	2.02
7	3.95	22.76	7.53	4.86	14.94	4.45	3.51	4.03	4.09	7.58	3.48	1.83
8	3.21	21.65	5.90	6.50	13.65	3.67	3.56	3.38	4.59	5.95	3.40	2.11
9	2.77	20.82	5.16	7.70	11.68	3.07	3.48	2.87	8.66	5.44	3.63	2.62
10	2.81	20.00	4.77	8.57	8.76	2.75	3.46	2.69	13.46	5.09	3.74	2.13
11	2.64	19.00	4.91	11.46	6.43	2.66	3.42	2.53	13.90	4.86	4.10	1.94
12	2.82	17.57	10.26	12.56	5.21	3.40	3.71	2.44	13.29	4.86	7.82	1.83
13	3.28	14.76	15.08	11.27	4.53	8.78	4.55	2.45	12.53	5.26	9.05	1.71
14	5.39	10.82	---	9.36	4.09	10.08	4.63	2.35	11.33	4.73	7.63	1.64
15	6.74	7.90	---	7.49	3.77	10.14	3.94	2.35	8.57	4.11	6.64	1.55
16	11.04	6.18	---	6.14	3.51	10.28	3.45	2.27	5.58	4.62	6.78	1.46
17	12.31	8.49	---	5.37	3.36	9.11	3.28	2.27	4.01	4.45	6.72	1.46
18	11.86	9.67	---	5.99	3.25	7.30	3.12	2.40	3.49	4.21	5.81	1.45
19	11.34	8.99	---	6.63	3.14	11.25	2.98	2.27	3.17	4.19	5.00	1.86
20	12.61	7.96	---	5.97	3.05	14.78	4.86	2.42	3.05	3.88	4.41	4.40
21	16.11	6.86	---	5.09	2.95	14.11	9.00	2.40	3.67	3.58	3.97	5.84
22	18.16	5.99	---	4.48	2.83	12.11	9.19	2.35	4.47	3.66	3.63	7.22
23	19.06	5.27	6.60	4.20	2.72	9.73	8.23	2.26	4.82	4.67	3.40	7.57
24	19.88	4.66	5.31	4.28	2.60	7.48	6.41	2.08	4.46	5.10	3.38	6.78
25	20.22	4.15	4.80	4.47	2.52	5.58	4.65	2.02	3.85	5.44	3.47	5.31
26	19.87	3.79	4.55	10.45	2.42	4.81	3.57	5.67	3.71	5.93	3.20	4.44
27	19.85	3.69	4.92	12.52	2.32	4.59	2.98	8.98	3.54	6.73	3.01	3.83
28	22.06	8.02	7.27	10.68	2.21	4.42	2.85	8.39	3.37	6.10	2.83	3.70
29	24.73	14.10	8.82	7.93	---	4.52	2.82	8.26	5.98	4.92	3.41	3.72
30	28.14	15.36	7.54	5.94	---	5.01	2.79	6.34	10.52	4.16	3.60	3.42
31	30.04	---	6.94	4.85	---	5.35	---	6.18	---	3.77	3.10	---
MAX	30.04	30.59	---	12.56	15.19	14.78	9.19	8.98	13.90	11.81	9.05	7.57
MIN	2.64	3.69	4.55	4.20	2.21	2.09	2.79	2.02	3.05	3.58	2.83	1.45

08012150 MERMENTAU RIVER AT MERMENTAU, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°11'23", long 92°35'25", on line between secs. 14 and 31, T.10 S., R.2 W., on parish line of Jefferson Davis and Acadia Parishes, Hydrologic Unit 08080202, on downstream side of U.S. Highway 90 bridge, 300 ft upstream from Southern Pacific Transportation Company railroad bridge, 0.25 mi west of Mermentau, and 2.0 mi downstream from confluence with Bayous Nezplique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. Gage-height records only, August 1941 to September 1984 in files of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 0.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--Estimated daily discharges: Oct. 1, 2, Oct. 24 to Feb. 18, Mar. 27-31, Apr. 25 to May 7, and Aug. 5, 6. Records poor. Discharge is affected by tide and wind at medium and low stages. No gage-height record, Nov. 4-25, Dec. 7-10, Feb. 2-18, Mar. 27-31, Apr. 25 to May 7, and Aug. 5-6. No velocity record, Oct. 1-2, Oct. 24 to Feb. 18, Mar. 27-31, Apr. 25 to May 7, and Aug. 5-6.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.97 ft Nov. 2, 1985; minimum gage height, -0.03 ft Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft August 1940; minimum gage height, -0.94 ft July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 58,000 ft³/s Nov. 2; minimum discharge -5,540 ft³/s Sept. 11; minimum gage height, 0.41 ft Feb. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1200	55000	1300	90	-60	-619	-199	500	-779	151	-913	-263
2	1000	58000	1200	70	-100	-716	-630	2600	-621	-646	-794	-290
3	905	57000	1100	.00	80	-342	-331	-1800	-194	431	-324	-301
4	891	52000	100	-90	500	459	-424	-2000	-289	-101	-701	-555
5	763	48000	-10	-400	900	-170	-119	-2100	-283	-755	-720	-993
6	627	44000	-150	10	920	570	111	-2000	-310	-1040	-760	-780
7	809	40000	-500	100	700	-98	-529	-2000	-367	-792	-695	-822
8	770	36000	-20	-1600	10	-584	-1250	-1090	-113	-1100	-816	-634
9	1310	32000	-80	-40	-100	-1080	874	-950	11	-544	-1280	-418
10	1110	29000	-300	200	-700	-1560	-27	-883	-572	-682	-413	-1420
11	924	26000	-20	1600	-2000	-1550	-38	-725	104	-1400	-179	-2060
12	926	23000	70	1400	-350	-24	-331	-184	-349	-1070	216	-860
13	1100	20000	2800	900	60	271	222	-311	-357	299	234	-229
14	1110	17500	2700	650	90	-37	-265	-942	-228	150	-24	-641
15	771	14500	2300	400	280	533	561	-2110	52	362	-33	-528
16	746	12500	2200	150	10	288	368	-1670	-21	-82	-637	-912
17	756	10000	1900	80	280	-274	-578	-1470	-258	-40	-489	-84
18	1090	7200	1500	1600	-1000	-631	-563	-1510	-411	-221	-371	-251
19	1320	5500	1200	900	-1490	873	-582	-798	-194	.83	60	-373
20	849	2000	950	600	-1780	949	49	338	-218	-330	208	-124
21	884	800	730	85	-120	1160	27	557	-337	-586	-193	417
22	1060	400	300	-10	-282	1400	391	276	101	-674	-236	543
23	1150	200	-20	-400	-172	814	185	91	89	-694	-1100	317
24	2200	100	-70	-1800	-99	649	109	-1430	303	66	164	-509
25	4800	50	-100	-500	-413	-151	-150	-1550	-63	-761	-119	-658
26	5000	40	-300	-20	-1380	422	-20	-894	-775	-608	-109	22
27	6400	15	30	950	272	300	400	-692	-3.8	-455	137	-75
28	9800	80	980	800	-91	80	90	1570	-120	-511	298	-218
29	17500	800	1000	350	---	50	30	761	112	-545	279	-945
30	31000	1400	750	60	---	10	140	-705	419	-878	-31	-1190
31	48000	---	450	-15	---	-30	---	-597	---	-816	173	---
TOTAL	146771	593085	21990	6120.00	-6035	962	-2479	-21718	-5671.8	-13871.17	-9168	-14834
MEAN	4735	19770	709	197	-216	31.0	-82.6	-701	-189	-447	-296	-494
MAX	48000	58000	2800	1600	920	1400	874	2600	419	431	298	543
MIN	627	15	-500	-1800	-2000	-1560	-1250	-2110	-779	-1400	-1280	-2060
CAL YR 1985	TOTAL	1515878	MEAN	4153	MAX	58000	MIN	-1610				
WTR YR 1986	TOTAL	695151.03	MEAN	1905	MAX	58000	MIN	-2110				

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.70	10.60	2.40	1.67	1.44	.94	1.46	---	1.79	1.89	1.24	1.13
2	1.76	10.90	2.01	1.67	---	1.12	1.46	---	1.77	1.87	1.23	1.19
3	1.88	10.75	1.95	1.63	---	1.06	1.57	---	1.75	1.84	1.26	1.26
4	1.91	---	1.97	1.62	---	.94	1.61	---	1.82	1.98	1.26	1.25
5	1.66	---	1.82	1.37	---	1.12	1.56	---	1.83	1.98	---	1.22
6	1.68	---	1.72	1.52	---	1.01	1.46	---	1.78	1.99	---	1.16
7	1.71	---	---	1.39	---	1.11	1.39	---	1.75	1.91	1.18	1.16
8	1.73	---	---	1.08	---	1.17	1.41	1.51	1.76	1.82	1.16	1.18
9	1.71	---	---	1.22	---	1.25	1.06	1.43	1.85	1.80	1.23	1.20
10	1.75	---	---	1.44	---	1.25	1.18	1.39	1.89	1.87	1.18	1.27
11	1.71	---	2.08	1.69	---	1.22	1.24	1.37	1.92	1.89	1.19	1.33
12	1.75	---	2.18	1.72	---	1.31	1.32	1.28	1.77	1.89	1.29	1.17
13	1.86	---	2.51	1.65	---	1.27	1.31	1.24	1.73	1.77	1.27	1.11
14	1.96	---	2.47	1.66	---	1.29	1.39	1.30	1.66	1.69	1.21	1.19
15	2.01	---	2.44	1.57	---	1.24	1.16	1.37	1.63	1.63	1.26	1.22
16	2.01	---	2.38	1.52	---	1.30	1.12	1.42	1.63	1.55	1.27	1.17
17	2.10	---	2.31	1.61	---	1.37	1.21	1.47	1.60	1.48	1.21	1.20
18	2.13	---	2.21	1.67	---	1.74	1.30	1.24	1.55	1.44	1.08	1.28
19	2.09	---	2.03	1.64	1.50	2.09	1.33	1.11	1.51	1.41	1.06	1.25
20	2.04	---	1.98	1.68	1.50	1.90	1.50	1.12	1.49	1.34	1.04	1.27
21	2.04	---	1.89	1.71	1.41	1.73	1.39	1.23	1.48	1.25	1.01	1.36
22	2.07	---	1.86	1.54	1.18	1.75	1.29	1.31	1.44	1.26	1.10	1.43
23	2.16	---	1.76	1.39	1.23	1.78	1.35	1.39	1.46	1.27	1.17	1.49
24	2.43	---	1.62	1.51	1.28	1.68	1.41	1.34	1.40	1.22	1.06	1.59
25	2.57	---	1.31	1.62	1.27	1.61	---	1.35	1.41	1.22	1.01	1.64
26	2.65	2.61	1.39	1.39	1.43	1.57	---	1.71	1.71	1.26	1.02	1.65
27	2.88	2.59	1.54	1.22	1.17	---	---	1.84	1.69	1.27	1.07	1.61
28	3.91	2.59	1.68	1.48	.76	---	---	1.92	1.66	1.27	.95	1.66
29	5.59	2.47	1.70	1.49	---	---	---	1.88	1.67	1.25	.91	1.70
30	7.64	2.42	1.75	1.34	---	---	---	1.82	1.82	1.23	1.02	1.72
31	9.80	---	1.88	1.38	---	---	---	1.79	---	1.24	1.11	---
MAX	9.80	10.90	2.51	1.72	---	2.09	---	1.92	1.92	1.99	---	1.72
MIN	1.66	---	1.31	1.08	---	.94	---	1.11	1.40	1.22	.90	1.11

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1982.

WATER TEMPERATURES: April 1980 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 642 micromhos Oct. 2, 1981; minimum daily, 51 micromhos Feb. 20, 1982.

WATER TEMPERATURES: Maximum daily, 31.0°C July 12, 14, 15, 17-20, 1980; minimum daily, 6.0°C Jan. 17, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT										
02...	1030	400	122	7.20	23.0	40	1.5	1.4	1.6	86
JAN										
03...	1115	992	148	7.10	12.5	80	52	4.1	2.7	220
APR										
01...	1030	197	104	6.70	19.0	120	93	3.4	3.0	K10
JUL										
02...	1000	511	164	7.20	29.0	60	78	1.7	1.6	300

DATE	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT										
02...	510	38	9.8	3.3	7.8	4.4	36	3.2	10	0.1
JAN										
03...	1500	34	8.5	3.0	13	5.3	28	12	19	0.1
APR										
01...	8600	25	6.2	2.3	10	3.1	26	10	11	0.1
JUL										
02...	>50000	39	10	3.5	16	3.2	42	9.7	18	0.2

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT										
02...	9.0	90	70	<0.10	0.14	0.14	0.8	0.23	0.19	0.18
JAN										
03...	6.9	96	88	0.43	0.28	0.26	1.3	0.36	0.19	0.19
APR										
01...	6.2	83	65	0.30	0.13	0.11	1.4	0.23	0.08	0.05
JUL										
02...	9.5	109	99	0.53	0.24	0.21	1.4	0.27	0.12	0.11

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT										
02...	20	2	85	0.9	<1	1	<3	2	300	7
JAN										
03...	200	1	75	<0.5	<1	<1	<3	4	190	<5
APR										
01...	210	1	61	<0.5	1	<1	<3	8	180	<5

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 02...	<4	80	<0.1	<10	5	<1	<1	72	<6	5
JAN 03...	<4	90	<0.1	<10	3	<1	<1	67	<6	11
APR 01...	<4	40	<0.1	<10	1	<1	<1	44	<6	23

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 02...	10	11	50
JAN 03...	53	142	74
APR 01...	64	34	86
JUL 02...	57	79	82

< Actual value is known to be less than the value shown.

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.--Lat 30°04'55", long 92°30'20", T.11 S., R.1 W., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge on State Highway 91, 0.5 mi northeast of Riceville, and 3.3 mi north of Gueydan.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to September 1986. Unpublished records, December 1982 to September 1985, available in files of the Baton Rouge District Office.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft above National Geodetic Vertical Datum of 1929. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Oct. 1-8, Apr. 14 to May 6. Records fair. Discharge affected by wind and tide at all stages. No gage-height record Oct. 1-7, Apr. 14 to May 5; no velocity record Oct. 1-8, Apr. 14 to May 6.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,980 ft³/s Oct. 31, 1985; maximum gage height, 12.01 ft Nov. 2, 1985; minimum discharge, -919 ft³/s Feb. 14, 1986; minimum gage height, 3.34 ft Feb. 28, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,980 ft³/s Oct. 31; maximum gage height, 12.01 ft Nov. 2; minimum discharge, -919 ft³/s Feb. 14; minimum gage height, 3.34 ft Feb. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	5380	342	635	-71	-72	-62	-24	1050	861	86	59
2	62	4730	391	509	-53	-133	-76	-8.0	649	688	66	106
3	18	3970	315	358	-131	-252	-115	56	325	739	28	87
4	-6.0	3210	128	288	125	-181	-115	52	97	959	-0.30	97
5	6.0	2600	84	303	755	-164	-41	32	131	1100	44	68
6	-22	2220	25	182	786	-241	-25	12	48	1040	73	63
7	-71	2020	-57	137	621	-334	-38	-6.0	-8.5	917	83	53
8	-78	1880	-80	146	446	-398	-23	-52	29	731	61	42
9	-80	1600	-26	73	291	-466	-6.0	-40	30	600	40	44
10	-83	1450	-101	404	510	-424	-30	-47	-11	535	133	29
11	-65	1190	-98	987	508	-417	-24	-39	27	414	266	30
12	-89	903	566	936	-79	-435	-20	-29	47	330	530	62
13	47	635	1690	625	-705	-270	-18	-61	-72	216	552	90
14	44	423	2150	420	-654	-230	-8.0	-109	-7.2	154	385	51
15	1.5	234	1870	271	-535	-35	-4.0	-119	-4.0	166	265	12
16	157	170	1430	136	-521	-77	-16	-102	-41	112	198	17
17	181	285	1010	3.9	-631	-96	-40	-92	-47	116	155	-11
18	66	210	652	86	-619	-190	-44	4.2	15	125	105	15
19	-9.8	180	358	73	-590	201	20	16	-13	107	43	29
20	-9.2	161	197	-22	-445	322	600	-22	72	117	55	45
21	65	129	101	-68	-449	120	560	-74	67	96	35	52
22	105	30	13	16	-274	-42	440	-85	75	106	53	69
23	74	-62	-18	-21	-301	-55	200	-80	80	95	47	63
24	351	-89	-18	-119	-358	-29	88	-66	62	138	90	29
25	495	-91	7.1	110	-350	-62	68	-17	5.5	145	45	19
26	372	-119	-91	961	-386	-61	16	432	97	149	42	13
27	533	-108	20	873	-333	-36	4.0	1340	542	123	41	56
28	2420	219	831	638	-120	-45	44	1880	472	106	74	19
29	4370	528	1110	426	---	-38	36	2080	634	99	-12	-10
30	5670	545	817	253	---	-38	-16	1940	882	113	-14	-20
31	5920	---	657	132	---	-59	---	1510	---	85	17	---
TOTAL	20564.5	34433	14275.1	9751.9	-3563	-4237	1355.0	8282.2	5232.8	11282	3586.30	1278
MEAN	663	1148	460	315	-127	-137	45.2	267	174	364	116	42.6
MAX	5920	5380	2150	987	786	322	600	2080	1050	1100	552	106
MIN	-89	-119	-101	-119	-705	-466	-115	-119	-72	85	-14	-20

WTR YR 1986 TOTAL 102240.80 MEAN 280 MAX 5920 MIN -705

MERMENTAU RIVER BASIN

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08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.93	5.63	5.45	4.22	3.66	4.20	---	6.37	5.69	4.01	3.93
2	---	11.99	5.55	5.20	4.19	3.84	4.18	---	5.88	5.46	3.89	4.10
3	---	11.86	5.34	4.89	4.22	3.84	4.26	---	5.41	5.42	3.85	4.08
4	---	11.60	5.19	4.67	4.60	3.73	4.33	---	5.12	5.85	3.82	4.04
5	---	11.25	5.06	4.57	5.49	3.85	4.34	---	4.90	6.23	3.86	3.99
6	---	10.80	4.90	4.40	5.68	3.77	4.24	4.22	4.71	6.17	3.90	3.94
7	---	10.27	4.81	4.29	5.50	3.84	4.15	4.26	4.58	5.85	3.95	3.91
8	4.47	9.66	4.81	3.98	5.18	3.89	4.18	4.22	4.55	5.50	3.91	3.93
9	4.46	9.05	4.74	4.02	4.83	3.97	3.92	4.15	4.63	5.26	3.98	3.95
10	4.50	8.46	4.75	4.64	5.08	3.99	3.93	4.10	4.63	5.18	3.98	4.00
11	4.47	7.93	4.85	5.60	5.20	3.94	4.02	4.11	4.66	5.00	4.19	4.06
12	4.49	7.48	5.41	5.76	4.82	4.10	4.13	4.03	4.55	4.86	4.74	3.95
13	4.63	7.10	6.81	5.49	4.42	4.17	4.13	3.96	4.46	4.68	4.94	4.03
14	4.73	6.81	7.48	5.13	4.33	4.06	---	3.98	4.39	4.53	4.67	4.00
15	4.79	6.58	7.21	4.81	4.26	3.99	---	4.04	4.37	4.46	4.46	3.99
16	5.01	6.43	6.71	4.53	4.27	4.02	---	4.10	4.36	4.35	4.33	3.94
17	5.17	6.39	6.23	4.43	4.40	4.03	---	4.20	4.32	4.27	4.21	3.96
18	5.04	6.33	5.80	4.57	4.33	4.28	---	4.08	4.31	4.25	4.06	4.04
19	4.91	6.27	5.39	4.51	4.28	4.87	---	3.99	4.22	4.34	4.00	4.05
20	4.83	6.10	5.04	4.47	4.26	4.97	---	3.88	4.38	4.29	3.98	4.04
21	4.93	5.81	4.80	4.48	4.21	4.62	---	3.96	4.32	4.14	3.95	4.14
22	5.05	5.61	4.66	4.43	4.00	4.41	---	4.03	4.38	4.05	4.05	4.22
23	5.06	5.51	4.57	4.22	4.00	4.45	---	4.12	4.38	4.13	4.10	4.29
24	5.57	5.46	4.45	4.27	4.05	4.41	---	4.08	4.19	4.56	4.03	4.36
25	5.93	5.40	4.20	4.70	4.02	4.34	---	4.11	4.15	4.72	3.94	4.42
26	5.87	5.39	4.15	5.77	4.14	4.32	---	5.11	4.51	4.58	3.93	4.43
27	6.23	5.41	4.40	5.87	4.04	4.24	---	6.36	5.17	4.47	3.96	4.44
28	8.44	5.72	5.45	5.49	3.63	4.19	---	6.98	5.10	4.38	3.86	4.44
29	10.07	5.82	5.96	5.08	---	4.20	---	7.26	5.20	4.25	3.75	4.47
30	11.08	5.72	5.79	4.68	---	4.20	---	7.21	5.68	4.11	3.83	4.49
31	11.74	---	5.50	4.34	---	4.19	---	6.83	---	4.06	3.90	---
MAX	11.74	11.99	7.48	5.87	5.68	4.97	---	7.26	6.37	6.23	4.94	4.49
MIN	---	5.39	4.15	3.98	3.63	3.66	3.92	---	4.15	4.05	3.75	3.91

08012400 MERMENTAU RIVER AT LAKE ARTHUR, LA

LOCATION.--Lat 30°04'18", long 92°38'55", T.11 S., R.3 W., sec.13, Vermillion Parish, Hydrologic Unit 08080202, on southwest side of Citco Wharf, 1.1 mi upstream from State Highway 14 bridge, 3.1 mi downstream from Bayou Queue de Tortue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year (gage height only). Records collected at same site intermittently, 1952-55. Daily stages Mar. 30, 1956 to Sept. 30, 1984 are in reports of the U.S. Army Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 1.78 above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.20 ft Nov. 3, 1985; minimum, 1.18 ft Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 7.50 ft mean low Gulf, May 20, 1980; minimum, -0.17 ft, mean low Gulf, June 17, 1963, from reports of the U.S. Army Corps of Engineers, New Orleans district.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.20 ft Nov. 3; minimum, 1.57 ft Feb. 28.

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	7.64	3.68	2.77	2.55	2.06	2.58	2.49	2.90	2.95	2.36	2.29
2	2.89	8.00	3.33	2.79	2.52	2.23	2.59	2.35	2.88	2.94	2.23	2.34
3	2.98	8.15	3.37	2.75	2.61	2.18	2.69	2.40	2.86	2.87	2.25	2.38
4	3.01	8.16	3.43	2.73	2.75	2.06	2.73	2.49	2.92	2.99	2.21	2.37
5	2.77	8.02	3.26	2.50	2.81	2.23	2.68	2.61	2.93	3.03	2.24	2.34
6	2.80	7.72	3.19	2.65	2.85	2.14	2.57	2.64	2.89	3.05	2.28	2.29
7	2.83	7.27	3.15	2.52	2.72	2.23	2.50	2.65	2.86	3.00	2.30	2.29
8	2.86	6.74	3.16	2.23	2.71	2.29	2.52	2.63	2.88	2.93	2.28	2.32
9	2.83	6.29	3.09	2.35	2.58	2.38	2.20	2.54	2.95	2.92	2.35	2.34
10	2.88	5.86	3.13	2.54	2.49	2.37	2.31	2.52	2.99	2.97	2.30	2.40
11	2.84	5.51	3.19	2.75	2.25	2.35	2.37	2.47	2.99	3.00	2.30	2.45
12	2.87	5.24	3.25	2.82	2.37	2.42	2.44	2.40	2.85	2.98	2.37	2.30
13	2.95	5.03	3.44	2.75	2.44	2.39	2.43	2.36	2.82	2.89	2.43	2.26
14	3.03	4.89	3.40	2.75	2.62	2.39	2.50	2.43	2.76	2.80	2.51	2.33
15	3.04	4.78	3.46	2.68	2.48	2.36	2.29	2.49	2.73	2.74	2.56	2.36
16	3.03	4.62	3.41	2.64	2.64	2.41	2.25	2.54	2.74	2.68	2.57	2.31
17	3.14	4.52	3.34	2.71	2.74	2.49	2.33	2.57	2.72	2.58	2.51	2.35
18	3.20	4.51	3.24	2.77	2.65	2.81	2.42	2.36	2.67	2.55	2.39	2.42
19	3.18	4.43	3.09	2.75	2.62	2.90	2.47	2.23	2.62	2.54	2.38	2.40
20	3.13	4.05	3.05	2.78	2.62	2.76	2.60	2.25	2.61	2.48	2.36	2.40
21	3.12	3.86	2.99	2.81	2.53	2.70	2.50	2.36	2.60	2.39	2.33	2.49
22	3.16	3.85	2.95	2.66	2.32	2.76	2.41	2.43	2.57	2.38	2.42	2.56
23	3.23	3.84	2.87	2.52	2.36	2.80	2.48	2.50	2.58	2.41	2.47	2.63
24	3.37	3.80	2.74	2.63	2.40	2.74	2.53	2.45	2.52	2.46	2.38	2.73
25	3.44	3.74	2.44	2.72	2.40	2.70	2.52	2.43	2.53	2.50	2.32	2.77
26	3.46	3.75	2.52	2.50	2.54	2.68	2.54	2.66	2.83	2.55	2.31	2.78
27	3.53	3.74	2.65	2.33	2.29	2.59	2.58	2.81	2.80	2.56	2.33	2.75
28	4.09	3.76	2.76	2.58	1.90	2.55	2.49	2.90	2.76	2.54	2.20	2.79
29	5.23	3.67	2.81	2.59	---	2.56	2.48	2.89	2.76	2.47	2.14	2.84
30	6.16	3.68	2.87	2.45	---	2.57	2.53	2.88	2.88	2.40	2.24	2.85
31	7.09	---	2.95	2.50	---	2.57	---	2.89	---	2.39	2.29	---
MAX	7.09	8.16	3.68	2.82	2.85	2.90	2.73	2.90	2.99	3.05	2.57	2.85
MIN	2.77	3.67	2.44	2.23	1.90	2.06	2.20	2.23	2.52	2.38	2.14	2.26

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE 1/4 SE 1/4 sec.21, T.11 S., R.5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi west of Lake Arthur, and 16.8 mi upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi².

PERIOD OF RECORD.--Annual peaks, water years 1969-74, October 1974 to September 1985 (gage height only), October 1985 to September 1986.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.00 ft below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft lower.

REMARKS.--Records poor. Discharge affected by wind and tide at all stages. No gage-height record, Mar. 7 to Apr. 10, and July 1 to Aug. 8.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft May 19, 1980; minimum gage height, 7.25 ft Mar. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,790 ft³/s Oct. 30, maximum gage height, 11.99 ft Nov. 2; minimum discharge recorded, -1,450 ft³/s May 10; minimum gage-height recorded, 7.28 ft Mar. 1, but may have been lower during period of no gage-height record Mar. 7 to Apr. 10 and July 1 to Aug. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	7930	972	713	132	-60	---	86	214	---	---	40
2	474	7230	993	373	134	-15	---	426	188	---	---	65
3	66	6490	181	198	22	133	---	704	23	---	---	115
4	225	5730	61	160	400	139	---	168	-13	---	---	122
5	291	4990	649	150	552	130	---	-116	153	---	---	91
6	11	4200	206	14	564	-90	---	-233	152	---	---	3.3
7	37	3820	11	64	73	---	---	-238	205	---	---	-61
8	52	2880	239	-96	136	---	---	-270	72	---	---	-84
9	91	2450	141	-144	22	---	---	-244	436	---	83	-4.7
10	206	2090	25	408	183	---	-6.1	-357	303	---	96	.40
11	205	1630	382	514	58	---	95	-89	322	---	62	46
12	211	1550	1310	310	-115	---	239	-174	308	---	310	-68
13	424	1300	2460	185	-71	---	228	-272	182	---	82	-77
14	438	887	2290	244	-28	---	224	-312	123	---	108	-50
15	444	788	1760	246	62	---	-58	-322	172	---	117	18
16	264	1070	1340	135	66	---	-68	-256	79	---	83	27
17	-139	649	913	701	41	---	-5.6	-68	165	---	30	210
18	116	348	549	2070	217	---	22	-.10	246	---	-63	157
19	265	714	228	2150	168	---	-174	-155	178	---	-65	164
20	334	1260	154	1540	211	---	510	-229	107	---	-87	182
21	301	810	91	863	197	---	430	-112	135	---	-77	271
22	268	271	126	701	21	---	158	-106	277	---	-50	321
23	173	115	219	175	36	---	26	-11	122	---	-13	262
24	392	293	217	-.90	139	---	100	17	77	---	100	199
25	352	378	221	573	18	---	57	95	-77	---	16	134
26	216	443	18	1060	160	---	63	565	-167	---	22	105
27	952	356	344	336	159	---	58	645	207	---	73	103
28	4170	1020	961	22	283	---	104	427	262	---	-29	134
29	5810	1170	940	173	---	---	50	237	246	---	-104	78
30	6940	627	294	132	---	---	45	94	460	---	-86	114
31	8060	---	485	82	---	---	---	150	---	---	34	---
TOTAL	32679	63489	18780	14051.10	3840	---	---	47.90	5157	---	---	2617
MEAN	1054	2116	606	453	137	---	---	1.55	172	---	---	87.2
MAX	8060	7930	2460	2150	564	---	510	704	460	---	310	321
MIN	-139	115	11	-144	-115	---	-174	-357	-167	---	-104	-84

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.68	11.84	9.41	8.55	8.34	7.56	---	8.22	8.60	---	---	8.03
2	8.64	11.93	9.11	8.54	8.30	7.82	---	8.17	8.57	---	---	8.06
3	8.69	11.90	9.14	8.48	8.42	7.94	---	8.21	8.55	---	---	8.09
4	8.70	11.87	9.18	8.46	8.52	7.86	---	8.24	8.62	---	---	8.07
5	8.49	11.83	8.99	8.22	8.58	7.82	---	8.35	8.62	---	---	8.04
6	8.52	11.80	8.92	8.41	8.50	7.83	---	8.38	8.59	---	---	8.00
7	8.57	11.69	8.92	8.38	8.47	---	---	8.40	8.55	---	---	8.00
8	8.65	11.59	8.91	8.06	8.43	---	---	8.39	8.59	---	---	8.03
9	8.61	11.48	8.86	8.09	8.33	---	---	8.29	8.65	---	8.05	8.05
10	8.64	11.29	8.91	8.25	8.18	---	8.05	8.25	8.69	---	8.01	8.12
11	8.58	11.12	8.95	8.45	7.92	---	8.09	8.17	8.65	---	7.98	8.13
12	8.62	10.94	9.03	8.51	8.08	---	8.18	8.08	8.52	---	8.06	7.98
13	8.68	10.77	9.22	8.44	8.21	---	8.15	8.03	8.50	---	8.12	7.97
14	8.72	10.66	9.23	8.45	8.34	---	8.22	8.11	8.44	---	8.20	8.03
15	8.72	10.54	9.27	8.40	8.23	---	7.99	8.21	8.42	---	8.23	8.07
16	8.70	10.38	9.18	8.41	8.35	---	7.93	8.29	8.44	---	8.23	8.02
17	8.84	10.30	9.05	8.54	8.46	---	8.07	8.33	8.46	---	8.16	8.08
18	8.93	10.30	8.93	8.72	8.34	---	8.17	8.09	8.39	---	8.06	8.15
19	8.91	10.21	8.80	8.71	8.34	---	8.26	7.90	8.31	---	8.07	8.16
20	8.85	9.88	8.74	8.64	8.31	---	8.35	7.94	8.30	---	8.06	8.15
21	8.82	9.65	8.71	8.62	8.30	---	8.18	8.06	8.30	---	8.05	8.23
22	8.86	9.59	8.68	8.45	8.10	---	8.11	8.14	8.30	---	8.14	8.30
23	8.92	9.59	8.59	8.28	8.05	---	8.22	8.19	8.29	---	8.19	8.37
24	9.01	9.57	8.45	8.42	8.11	---	8.26	8.15	8.24	---	8.09	8.44
25	9.02	9.51	8.14	8.50	8.09	---	8.24	8.11	8.33	---	8.02	8.49
26	9.01	9.49	8.26	8.24	8.16	---	8.26	8.29	8.59	---	8.01	8.50
27	9.06	9.49	8.41	8.00	8.11	---	8.33	8.41	8.50	---	8.05	8.49
28	9.66	9.50	8.57	8.28	7.82	---	8.22	8.49	8.42	---	7.94	8.52
29	10.57	9.43	8.60	8.30	---	---	8.20	8.50	8.49	---	7.89	8.57
30	11.08	9.45	8.65	8.21	---	---	8.26	8.53	8.56	---	7.95	8.58
31	11.57	---	8.67	8.28	---	---	---	8.59	---	---	8.03	---
MAX	11.57	11.93	9.41	8.72	8.58	---	---	8.59	8.69	---	---	8.58
MIN	8.49	9.43	8.14	8.00	7.82	---	---	7.90	8.24	---	---	7.97

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE 1/4 SE 1/4 sec.4, T.1 S., R.3 W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi upstream from Prairie Branch, and 4.6 mi northwest of Glenmora.

DRAINAGE AREA.--499 mi².

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORDS.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Several measurements of water temperature were made during the year. Gage-height telemeter at station.

AVERAGE DISCHARGE.--43 years, 732 ft³/s, 19.92 in/yr, 530,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s May 19, 1953, gage height, 21.55 ft; minimum, 15 ft³/s Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	1700	*25600	*17.81	Dec. 16	0330	8820	14.90

Minimum discharge, 25 ft³/s Aug. 31, Sept. 1, 2, 3; minimum gage height, 4.75 ft Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	21900	581	349	233	123	79	73	325	137	51	25
2	250	13900	663	334	205	117	77	201	436	285	43	25
3	328	8600	662	314	186	112	75	178	492	307	39	37
4	313	5890	723	288	205	111	73	111	489	217	36	92
5	279	4530	782	262	337	107	71	117	352	158	34	66
6	221	3620	813	241	509	104	70	124	214	278	32	58
7	168	2840	813	230	747	103	69	107	172	325	31	45
8	126	2150	745	224	977	100	68	93	236	245	34	35
9	92	1390	597	221	1250	97	70	79	464	173	35	30
10	76	788	427	232	1580	94	70	69	738	103	34	28
11	67	492	578	241	1960	92	67	63	1140	94	40	27
12	62	362	1840	258	2140	105	67	59	1670	101	42	27
13	59	298	2730	299	1790	123	68	55	2250	91	41	27
14	58	264	3490	305	1060	139	71	53	2460	77	37	29
15	59	244	6360	287	619	223	85	51	2170	67	49	32
16	71	239	8340	267	447	374	95	53	1610	60	105	45
17	269	241	6300	246	367	454	87	52	983	55	86	66
18	511	239	4770	226	317	419	78	50	605	51	59	59
19	534	255	3750	211	280	346	72	48	401	48	46	49
20	649	259	2930	201	254	280	88	47	343	45	49	43
21	750	285	2170	195	233	220	110	46	332	43	46	40
22	1050	301	1370	192	213	168	220	46	250	41	38	56
23	1620	267	802	189	194	138	369	45	226	40	34	91
24	2670	220	552	185	177	120	395	47	261	39	31	136
25	3050	193	445	184	162	108	318	62	262	38	30	199
26	2610	181	387	183	150	100	213	128	223	38	28	226
27	2370	225	354	182	140	94	139	190	181	39	30	155
28	4790	561	346	203	131	90	102	146	123	45	30	100
29	10300	627	347	229	---	87	84	175	179	46	27	77
30	18300	547	362	238	---	84	74	218	152	72	27	65
31	24400	---	365	248	---	82	---	229	---	64	26	---
TOTAL	76248	71908	55394	7464	16863	4914	3524	3015	19739	3422	1270	1990
MEAN	2460	2397	1787	241	602	159	117	97.3	658	110	41.0	66.3
MAX	24400	21900	8340	349	2140	454	395	229	2460	325	105	226
MIN	58	181	346	182	131	82	67	45	123	38	26	25
CFSM	4.93	4.80	3.58	.48	1.21	.32	.23	.19	1.32	.22	.08	.13
IN.	5.68	5.36	4.13	.56	1.26	.37	.26	.22	1.47	.26	.09	.15
AC-FT	151200	142600	109900	14800	33450	9750	6990	5980	39150	6790	2520	3950
CAL YR 1985	TOTAL	385355	MEAN	1056	MAX	24400	MIN	30	CFSM	2.12	IN.	28.73
WTR YR 1986	TOTAL	265751	MEAN	728	MAX	24400	MIN	25	CFSM	1.46	IN.	19.81
											AC-FT	764400
											AC-FT	527100

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.83	17.22	10.18	8.73	7.72	6.69	5.94	5.83	8.71	6.85	5.35	4.75
2	8.00	15.87	10.49	8.61	7.42	6.59	5.90	7.58	9.45	8.40	5.18	4.76
3	8.68	14.86	10.49	8.45	7.20	6.52	5.86	7.36	9.77	8.57	5.08	5.03
4	8.56	14.24	10.70	8.23	7.41	6.50	5.82	6.50	9.76	7.80	5.00	6.19
5	8.28	13.84	10.88	7.99	8.62	6.44	5.79	6.59	8.89	7.16	4.96	5.67
6	7.74	13.51	10.98	7.80	9.76	6.39	5.76	6.70	7.76	8.30	4.92	5.50
7	7.13	13.15	10.98	7.68	10.72	6.37	5.74	6.44	7.32	8.71	4.90	5.23
8	6.54	12.69	10.77	7.62	11.27	6.32	5.73	6.21	7.96	8.07	4.97	4.99
9	5.97	11.90	10.24	7.59	11.73	6.27	5.76	5.94	9.57	7.31	4.98	4.88
10	5.63	10.85	9.38	7.70	12.15	6.23	5.77	5.75	10.73	6.37	4.98	4.81
11	5.44	9.76	9.75	7.80	12.53	6.19	5.70	5.61	11.56	6.21	5.10	4.79
12	5.34	8.94	12.40	7.96	12.68	6.40	5.69	5.51	12.25	6.35	5.15	4.80
13	5.27	8.44	13.09	8.32	12.36	6.68	5.73	5.44	12.77	6.17	5.13	4.81
14	5.24	8.15	13.45	8.38	11.42	6.90	5.79	5.39	12.93	5.91	5.03	4.84
15	5.26	7.97	14.34	8.22	10.32	7.85	6.06	5.35	12.70	5.70	5.29	4.91
16	5.52	7.92	14.81	8.04	9.51	9.04	6.24	5.40	12.18	5.55	6.41	5.21
17	8.09	7.94	14.35	7.85	9.01	9.56	6.09	5.37	11.28	5.44	6.08	5.67
18	9.87	7.92	13.92	7.64	8.65	9.35	5.92	5.34	10.26	5.35	5.52	5.52
19	9.99	8.07	13.56	7.49	8.37	8.86	5.81	5.29	9.22	5.28	5.23	5.31
20	10.44	8.11	13.19	7.37	8.15	8.36	6.10	5.26	8.84	5.22	5.32	5.19
21	10.78	8.34	12.70	7.31	7.96	7.83	6.49	5.24	8.76	5.17	5.24	5.10
22	11.42	8.47	11.87	7.27	7.77	7.27	7.78	5.24	8.11	5.13	5.07	5.46
23	12.17	8.18	10.86	7.23	7.57	6.89	9.02	5.23	7.89	5.10	4.97	6.15
24	13.04	7.73	10.00	7.18	7.38	6.63	9.19	5.26	8.21	5.08	4.90	6.86
25	13.26	7.44	9.41	7.17	7.20	6.45	8.66	5.57	8.22	5.07	4.87	7.61
26	13.02	7.30	9.02	7.16	7.05	6.32	7.76	6.74	7.87	5.06	4.83	7.90
27	12.87	7.73	8.77	7.15	6.92	6.22	6.90	7.53	7.43	5.08	4.87	7.11
28	13.87	10.05	8.71	7.40	6.80	6.15	6.35	7.00	6.68	5.23	4.88	6.32
29	15.18	10.36	8.72	7.67	---	6.09	6.04	7.34	7.35	5.26	4.80	5.90
30	16.63	10.05	8.82	7.77	---	6.04	5.85	7.82	7.06	5.81	4.79	5.65
31	17.62	---	8.85	7.87	---	5.99	---	7.91	---	5.63	4.77	---
MAX	17.62	17.22	14.81	8.73	12.68	9.56	9.19	7.91	12.93	8.71	6.41	7.90
MIN	5.24	7.30	8.71	7.15	6.80	5.99	5.69	5.23	6.68	5.06	4.77	4.75

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW 1/4 NE 1/4 sec.7, T.5 S., R.4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi².

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft above National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--Estimated daily discharges: June 9-29. Records good. Prior to November 1981 paper mill at Elizabeth pumps about 11 ft³/s of water from wells which was discharged in to Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

AVERAGE DISCHARGE.--50 years (water years 1923-24, 1939-86) 1,147 ft³/s, 20.69 in/yr, 831,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft³/s May 19, 1953, gage height, 26.53 ft; minimum, 30 ft³/s Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.23 ft Sept. 20, 21, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 2	1100	*28400	*20.81	No other peak greater than base discharge.			

Minimum discharge, 40 ft³/s Sept. 4, 5, 15, 16-17, 18; minimum gage height, 1.25 ft Sept. 16, 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	322	25300	1960	507	236	207	141	150	263	867	75	48
2	253	28000	1800	486	244	196	138	336	485	918	83	53
3	212	23300	1460	452	245	189	133	958	522	661	73	44
4	217	14200	1210	422	351	184	129	1070	388	883	65	40
5	260	8720	1020	393	852	180	127	595	423	705	61	40
6	284	6420	871	364	939	173	123	298	539	569	61	63
7	279	4830	813	364	755	168	121	215	604	385	62	87
8	254	3780	799	520	619	162	117	185	530	334	59	79
9	217	3030	792	498	612	160	115	162	700	349	54	71
10	183	2440	794	438	665	157	112	142	1500	314	53	62
11	151	1940	1090	603	740	154	110	125	2500	262	76	57
12	129	1470	2510	565	843	160	114	109	1800	207	85	51
13	117	1110	3500	450	977	226	117	96	1300	182	68	48
14	106	844	3800	387	1140	300	114	86	900	183	61	44
15	120	664	4270	361	1240	308	112	76	600	163	62	41
16	156	584	3820	354	1190	270	110	71	450	141	62	40
17	161	620	3290	343	936	272	115	68	380	124	59	40
18	125	552	4620	332	678	321	125	69	330	110	86	43
19	171	495	5730	323	524	398	125	68	300	101	105	56
20	657	456	4840	305	437	461	160	64	270	93	91	86
21	1110	430	3780	284	384	444	292	59	250	87	74	99
22	1300	413	2990	265	345	374	299	56	230	83	65	95
23	1150	403	2370	254	314	313	242	54	220	78	65	87
24	1290	405	1830	245	289	262	222	52	210	77	64	72
25	1420	398	1320	278	269	225	275	57	200	71	57	74
26	1400	371	971	262	250	202	323	65	190	153	52	100
27	1870	373	747	232	234	183	329	84	185	142	48	130
28	5270	1170	668	220	218	169	280	176	180	108	46	163
29	12200	1850	654	214	---	158	220	189	350	89	45	187
30	19100	2150	575	217	---	150	176	167	812	74	61	167
31	21500	---	520	225	---	145	---	154	---	70	51	---

TOTAL	71984	136718	65414	11163	16526	7271	5116	6056	17611	8583	2029	2267
MEAN	2322	4557	2110	360	590	235	171	195	587	277	65.5	75.6
MAX	21500	28000	5730	603	1240	461	329	1070	2500	918	105	187
MIN	106	371	520	214	218	145	110	52	180	70	45	40
CFSM	3.08	6.05	2.80	.48	.78	.31	.23	.26	.78	.37	.09	.10
IN.	3.56	6.75	3.23	.55	.82	.36	.25	.30	.87	.42	.10	.11
AC-FT	142800	271200	129700	22140	32780	14420	10150	12010	34930	17020	4020	4500

CAL YR 1985	TOTAL	499546	MEAN	1369	MAX	28000	MIN	46	CFSM	1.82	IN.	24.68	AC-FT	990800
WTR YR 1986	TOTAL	350738	MEAN	961	MAX	28000	MIN	40	CFSM	1.28	IN.	17.33	AC-FT	695700

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.48	20.30	9.54	4.55	3.15	2.88	2.32	2.40	3.37	6.07	1.83	1.38
2	3.09	20.74	9.14	4.44	3.19	2.81	2.29	3.44	4.52	6.27	1.90	1.42
3	2.83	19.96	8.19	4.29	3.20	2.75	2.25	6.34	4.69	5.23	1.80	1.33
4	2.86	18.42	7.33	4.14	3.75	2.72	2.21	6.77	4.06	6.13	1.71	1.29
5	3.13	17.05	6.59	3.99	6.01	2.69	2.20	4.83	4.23	5.42	1.66	1.27
6	3.27	15.84	6.01	3.85	6.35	2.64	2.16	3.40	4.77	4.83	1.66	1.52
7	3.24	14.47	5.78	3.85	5.62	2.59	2.14	2.93	5.06	3.95	1.66	1.75
8	3.10	13.07	5.72	4.60	5.05	2.55	2.11	2.75	4.73	3.68	1.62	1.66
9	2.86	11.80	5.69	4.50	5.03	2.52	2.09	2.62	---	3.77	1.57	1.59
10	2.63	10.65	5.70	4.22	5.25	2.50	2.06	2.48	---	3.58	1.55	1.49
11	2.40	9.50	6.86	4.98	5.56	2.47	2.04	2.35	---	3.29	1.76	1.44
12	2.21	8.19	10.73	4.81	5.98	2.51	2.08	2.24	---	2.95	1.86	1.38
13	2.10	6.94	12.62	4.27	6.49	2.95	2.11	2.14	---	2.78	1.68	1.34
14	2.01	5.90	13.11	3.96	7.07	3.39	2.08	2.06	---	2.79	1.60	1.30
15	2.14	5.15	13.82	3.83	7.47	3.42	2.06	1.99	---	2.65	1.61	1.27
16	2.43	4.79	13.13	3.79	7.27	3.21	2.05	1.94	---	2.48	1.60	1.26
17	2.47	4.96	12.28	3.73	6.33	3.21	2.09	1.91	---	2.33	1.57	1.26
18	2.17	4.64	14.16	3.67	5.30	3.48	2.18	1.92	---	2.21	1.82	1.29
19	2.53	4.37	15.36	3.63	4.61	3.88	2.18	1.91	---	2.12	2.00	1.43
20	5.08	4.18	14.48	3.53	4.19	4.20	2.46	1.87	---	2.04	1.85	1.72
21	6.92	4.05	13.07	3.42	3.92	4.12	3.31	1.82	---	1.98	1.68	1.85
22	7.68	3.96	11.72	3.31	3.72	3.76	3.35	1.79	---	1.94	1.59	1.81
23	7.07	3.91	10.51	3.24	3.55	3.43	3.02	1.77	---	1.90	1.59	1.73
24	7.64	3.92	9.21	3.20	3.40	3.14	2.90	1.75	---	1.88	1.57	1.59
25	8.08	3.88	7.74	3.39	3.28	2.92	3.21	1.80	---	1.83	1.50	1.61
26	8.04	3.74	6.46	3.29	3.18	2.76	3.49	1.88	---	2.54	1.45	1.86
27	9.25	3.75	5.59	3.12	3.07	2.63	3.52	2.06	---	2.48	1.40	2.13
28	14.52	7.14	5.26	3.04	2.97	2.54	3.24	2.85	---	2.18	1.38	2.40
29	17.98	9.27	5.20	3.00	---	2.46	2.88	2.94	---	1.98	1.36	2.57
30	19.29	10.03	4.86	3.02	---	2.39	2.58	2.79	5.85	1.84	1.52	2.43
31	19.67	---	4.61	3.08	---	2.36	---	2.70	---	1.79	1.42	---
MAX	19.67	20.74	15.36	4.98	7.47	4.20	3.52	6.77	---	6.27	2.00	2.57
MIN	2.01	3.74	4.61	3.00	2.97	2.36	2.04	1.75	---	1.79	1.36	1.26

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE 1/4 NE 1/4 sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi downstream from Tenmile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.--510 mi².

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

REVISED RECORD.--WRD LA-84-1: 1983(M).

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 15-24, Aug. 14 to Sept. 11. Records good, except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--47 years, 812 ft³/s, 21.62 in/yr, 588,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft³/s May 18, 1953, gage height, 32.8 ft, from floodmark from rating curve extended above 37,000 ft³/s on basis of slope-area measurement of peak flow; minimum, 88 ft³/s Oct. 19, 20, 1956; minimum gage height, 2.41 ft Sept. 9, 10, 11, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	1200	*19000	*21.46	Dec. 15	0700	5430	15.13

Minimum discharge, 169 ft³/s Sept. 13, 14, gage height, 2.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	264	13900	1110	513	326	297	247	301	1310	466	210	181		
2	418	9090	1210	487	323	293	245	585	1750	440	203	179		
3	388	7040	1100	471	322	291	243	348	1670	391	197	178		
4	290	4760	910	449	369	291	242	546	723	785	194	177		
5	243	2300	661	430	662	289	240	445	453	956	191	176		
6	223	1300	559	415	1110	290	239	328	405	745	193	175		
7	212	1020	510	421	1640	291	240	278	427	438	196	174		
8	205	874	478	421	1530	284	246	254	868	340	200	200		
9	201	778	452	426	1210	277	248	241	2250	298	204	188		
10	197	704	444	460	741	273	239	233	2070	284	208	179		
11	195	646	629	450	572	272	233	229	1980	287	204	173		
12	194	603	1800	471	507	280	232	232	1780	282	198	172		
13	194	573	2920	502	471	284	233	240	1450	290	195	170		
14	195	555	4420	447	442	356	247	245	851	278	194	171		
15	218	541	5360	425	417	480	320	228	552	255	200	239		
16	310	568	4780	413	413	523	284	220	439	238	210	213		
17	467	563	3220	398	435	435	252	217	519	227	204	187		
18	526	525	1490	390	413	362	236	221	546	219	199	176		
19	360	511	1030	380	397	326	228	232	595	214	196	175		
20	290	481	882	372	385	310	281	250	501	210	230	180		
21	380	463	780	363	370	307	418	258	406	221	212	209		
22	856	441	713	358	355	294	663	232	513	250	203	194		
23	945	417	660	354	342	282	567	219	460	218	198	264		
24	913	401	619	350	332	270	366	214	364	241	196	257		
25	1010	394	584	373	324	264	298	224	324	235	194	240		
26	963	401	552	364	316	261	266	222	295	239	192	233		
27	665	602	534	353	310	258	250	279	273	373	189	206		
28	2130	2040	533	348	304	256	241	411	266	366	187	198		
29	5120	1590	575	340	---	256	235	348	524	286	184	192		
30	11800	1290	635	332	---	253	230	370	485	242	183	188		
31	18500	---	567	326	---	250	---	836	---	222	182	---		
TOTAL	48872	55371	40717	12602	15338	9455	8509	9486	25049	10536	6146	5844		
MEAN	1577	1846	1313	407	548	305	284	306	835	340	198	195		
MAX	18500	13900	5360	513	1640	523	663	836	2250	956	230	264		
MIN	194	394	444	326	304	250	228	214	266	210	182	170		
CF SM	3.09	3.62	2.57	.80	1.07	.60	.56	.60	1.64	.67	.39	.38		
IN.	3.56	4.04	2.97	.92	1.12	.69	.62	.69	1.83	.77	.45	.43		
AC-FT	96940	109800	80760	25000	30420	18750	16880	18820	49680	20900	12190	11590		
CAL YR 1985	TOTAL	337997	MEAN	926	MAX	18500	MIN	160	CF SM	1.82	IN.	24.65	AC-FT	670400
WTR YR 1986	TOTAL	247925	MEAN	679	MAX	18500	MIN	170	CF SM	1.33	IN.	18.08	AC-FT	491800

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.15	20.24	6.40	4.29	3.47	3.33	3.06	3.31	7.04	4.10	2.82	---
2	3.89	18.51	6.73	4.18	3.46	3.31	3.05	4.55	8.35	3.98	2.76	---
3	3.76	16.80	6.35	4.12	3.45	3.30	3.04	3.57	8.12	3.77	2.72	---
4	3.29	14.28	5.73	4.02	3.67	3.30	3.04	4.42	5.06	5.27	2.69	---
5	3.04	9.79	4.85	3.94	4.84	3.29	3.03	4.00	4.04	5.89	2.67	---
6	2.91	7.01	4.47	3.88	6.40	3.29	3.02	3.48	3.83	5.15	2.69	---
7	2.83	6.10	4.28	3.90	8.03	3.30	3.02	3.23	3.93	3.97	2.71	---
8	2.78	5.61	4.15	3.90	7.72	3.26	3.06	3.10	5.50	3.54	2.74	---
9	2.74	5.27	4.03	3.92	6.73	3.22	3.07	3.03	9.73	3.34	2.77	---
10	2.72	5.00	4.00	4.07	5.13	3.20	3.02	2.98	9.26	3.26	2.80	---
11	2.70	4.79	4.72	4.03	4.52	3.20	2.98	2.95	9.00	3.28	2.77	---
12	2.69	4.64	8.45	4.12	4.26	3.24	2.97	2.97	8.44	3.25	2.73	2.52
13	2.70	4.52	11.37	4.24	4.11	3.26	2.98	3.02	7.44	3.29	2.70	2.51
14	2.70	4.46	13.85	4.01	3.99	3.61	3.06	3.05	5.52	3.23	---	2.51
15	2.87	4.40	15.05	---	3.88	4.15	3.44	2.94	4.44	3.11	---	3.01
16	3.38	4.51	14.37	---	3.87	4.33	3.26	2.89	3.98	3.01	---	2.84
17	4.09	4.49	11.87	---	3.96	3.96	3.09	2.87	4.30	2.93	---	2.64
18	4.34	4.34	7.58	---	3.87	3.64	3.00	2.89	4.42	2.88	---	2.56
19	3.63	4.28	6.15	---	3.80	3.47	2.94	2.97	4.61	2.84	---	2.54
20	3.29	4.16	5.64	---	3.75	3.39	3.24	3.08	4.24	2.82	---	2.59
21	3.69	4.08	5.28	---	3.68	3.38	3.89	3.12	3.84	2.90	---	2.80
22	5.55	3.99	5.03	---	3.61	3.31	4.85	2.97	4.28	3.08	---	2.70
23	5.85	3.89	4.84	---	3.55	3.25	4.49	2.88	4.06	2.87	---	3.15
24	5.74	3.82	4.69	---	3.50	3.19	3.66	2.85	3.65	3.02	---	3.11
25	6.09	3.79	4.56	3.69	3.46	3.15	3.33	2.92	3.46	2.99	---	3.02
26	5.91	3.81	4.44	3.65	3.43	3.14	3.17	2.90	3.32	3.00	---	2.98
27	4.86	4.61	4.37	---	3.40	3.12	3.08	3.22	3.20	3.69	---	2.78
28	9.21	9.17	4.37	---	3.36	3.11	3.03	3.86	3.17	3.66	---	2.72
29	14.74	7.88	4.53	---	---	3.11	2.99	3.57	4.29	3.27	---	2.68
30	19.48	6.97	4.75	---	---	3.10	2.96	3.66	4.17	3.03	---	2.65
31	21.34	---	4.50	3.47	---	3.08	---	5.47	---	2.90	---	---
MAX	21.34	20.24	15.05	4.29	8.03	4.33	4.85	5.47	9.73	5.89	---	3.15
MIN	2.69	3.79	4.00	3.47	3.36	3.08	2.94	2.85	3.17	2.82	---	2.51

08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW 1/4 SE 1/4 sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky Chitto Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.--1,700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: May 15-25, July 16-26, July 31 to Aug. 5. Records good, except those for estimated daily discharges, which are fair. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft³/s from wells which was later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s and this diversion results in marked regulation of the low-water flow. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years (water years 1923-24, 1939-57, 1962-86), 2,579 ft³/s, 1,868,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft³/s May 19, 1953, gage height, 32.00 ft; minimum, 136 ft³/s Aug. 15, 1956; minimum gage height, 1.42 ft Sept. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54,400 ft³/s Nov. 1, gage height, 22.14 ft; minimum, 263 ft³/s Oct. 15; minimum gage height, 1.42 ft Sept. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	978	53300	4170	1670	862	839	591	584	1980	1640	510	341
2	951	50000	4050	1600	864	805	584	1360	2280	1710	490	346
3	931	42800	3800	1540	863	797	580	2070	2490	1730	430	345
4	673	33100	3180	1480	1060	938	573	2060	2150	2060	390	328
5	567	21700	2560	1410	1740	816	571	1810	1460	2250	380	322
6	553	13700	2110	1360	2250	760	560	1200	1320	1960	380	366
7	541	9170	1880	1450	2490	734	550	904	1460	1500	391	432
8	509	6830	1780	1630	2870	730	552	759	2030	1120	393	446
9	460	5450	1720	1660	3000	703	560	675	5540	997	412	423
10	409	4480	1700	1620	2730	704	556	636	6900	939	456	402
11	362	3900	2010	1810	2220	694	535	593	6950	853	653	373
12	323	3160	4720	1820	1960	729	538	560	6160	795	865	373
13	295	2520	7140	1670	1850	787	547	532	5370	729	556	359
14	283	2070	8130	1510	1920	881	554	519	3960	697	476	358
15	348	1780	9060	1380	2010	1080	590	490	2920	668	611	384
16	520	1840	10500	1290	2060	1170	635	470	2310	630	593	477
17	649	1870	10700	1160	1950	1140	579	480	2250	600	505	470
18	873	1710	8670	1210	1680	1070	535	490	2400	560	459	417
19	819	1550	6660	1270	1440	1050	521	510	2410	540	446	395
20	897	1450	6570	1250	1290	1070	847	560	2180	520	433	427
21	1520	1360	6310	1210	1190	1070	1110	570	1750	550	399	522
22	2100	1310	5350	1180	1110	993	1290	550	1450	600	377	646
23	2740	1270	4340	1090	1060	904	1400	520	1390	530	368	600
24	3080	1230	3620	972	998	823	1110	510	1200	570	375	625
25	2940	1220	2960	1110	953	751	919	560	1050	550	364	583
26	2950	1190	2440	1270	919	711	884	624	973	700	334	571
27	3340	1290	2080	1050	888	692	859	762	899	820	339	564
28	7340	3520	1910	959	860	667	796	1250	882	787	353	561
29	14800	4870	1850	925	---	641	711	1110	1190	722	353	579
30	31400	4600	1830	895	---	623	631	974	1580	629	338	584
31	45000	---	1770	867	---	606	---	1440	---	560	348	---
TOTAL	129151	284240	135570	41318	45087	25978	21268	26132	76884	29516	13777	13619
MEAN	4166	9475	4373	1333	1610	838	709	843	2563	952	444	454
MAX	45000	53300	10700	1820	3000	1170	1400	2070	6950	2250	865	646
MIN	283	1190	1700	867	860	606	521	470	882	520	334	322
AC-FT	256200	563800	268900	81950	89430	51530	42190	51830	152500	58540	27330	27010
CAL YR 1985	TOTAL	1127840	MEAN	3090	MAX	53300	MIN	263	AC-FT	2237000		
WTR YR 1986	TOTAL	842540	MEAN	2308	MAX	53300	MIN	283	AC-FT	1671000		

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued
 ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.13	22.04	11.10	5.83	3.48	3.41	2.61	2.59	6.69	5.75	---	1.57
2	4.05	21.71	10.93	5.63	3.49	3.30	2.59	4.91	7.49	5.94	---	1.58
3	3.99	20.97	10.54	5.46	3.49	3.28	2.57	6.93	8.02	5.99	---	1.57
4	3.22	19.83	9.47	5.29	4.06	3.72	2.55	6.89	7.12	6.91	---	1.51
5	2.88	18.39	8.23	5.11	6.02	3.34	2.54	6.21	5.25	7.41	---	1.48
6	2.84	16.76	7.18	4.95	7.39	3.16	2.51	4.51	4.85	6.63	1.82	1.63
7	2.80	15.35	6.60	5.23	8.01	3.08	2.48	3.61	5.23	5.37	1.85	1.85
8	2.70	14.19	6.34	5.72	8.82	3.06	2.48	3.16	6.73	4.27	1.86	1.89
9	2.54	13.03	6.18	5.82	9.10	2.98	2.51	2.89	11.85	3.89	1.92	1.81
10	2.38	11.86	6.12	5.70	8.55	2.98	2.50	2.76	13.96	3.71	2.06	1.73
11	2.23	10.70	6.92	6.22	7.32	2.95	2.43	2.62	14.02	3.43	2.72	1.63
12	2.10	9.44	10.81	6.25	6.62	3.06	2.44	2.51	13.37	3.23	3.45	1.63
13	2.01	8.13	13.73	5.83	6.32	3.25	2.47	2.42	12.59	3.01	2.38	1.57
14	1.98	7.07	14.70	5.38	6.52	3.54	2.49	2.38	11.31	2.91	2.11	1.57
15	2.18	6.33	15.14	5.01	6.76	4.14	2.61	---	8.92	2.81	2.57	1.65
16	2.73	6.49	15.65	4.76	6.90	4.41	2.76	---	7.55	---	2.51	1.95
17	3.14	6.58	15.72	4.40	6.60	4.32	2.57	---	7.41	---	2.20	1.93
18	3.83	6.15	15.11	4.53	5.88	4.09	2.43	---	7.81	---	2.03	1.75
19	3.67	5.74	14.02	4.71	5.20	4.05	2.38	---	7.81	---	1.98	1.67
20	3.90	5.46	13.71	4.63	4.75	4.11	3.43	---	7.23	---	1.94	1.77
21	5.66	5.23	13.52	4.54	4.46	4.11	4.24	---	6.07	---	1.82	2.09
22	7.15	5.10	12.74	4.43	4.24	3.88	4.75	---	5.23	---	1.74	2.56
23	8.61	4.97	11.68	4.16	4.07	3.61	5.06	---	5.03	---	1.71	2.37
24	9.28	4.88	10.54	3.82	3.90	3.36	4.22	---	4.49	---	1.72	2.47
25	9.01	4.83	9.23	4.22	3.76	3.13	3.66	---	4.05	---	1.68	2.29
26	9.03	4.76	7.87	4.70	3.66	3.00	3.55	2.72	3.82	---	1.57	2.24
27	9.44	5.02	6.94	4.07	3.56	2.94	3.47	3.15	3.60	2.79	1.59	2.21
28	13.13	9.25	6.49	3.78	3.48	2.86	3.27	4.65	3.54	3.21	1.63	2.19
29	16.41	12.02	6.32	3.68	---	2.78	3.00	4.24	4.45	2.99	1.62	2.26
30	19.35	11.68	6.27	3.58	---	2.72	2.74	3.82	5.57	2.67	1.56	2.27
31	21.20	---	6.11	3.50	---	2.66	---	5.18	---	---	1.60	---
MAX	21.20	22.04	15.72	6.25	9.10	4.41	5.06	6.93	14.02	7.41	3.45	2.56
MIN	1.98	4.76	6.11	3.50	3.48	2.66	2.38	---	3.54	---	---	1.48

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1979 to September 1982.

WATER TEMPERATURES: June 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos

Sept. 21, 1979.

WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 26, 1981; minimum daily, 6.0°C Jan. 12, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A specific conductance of 187 micromhos was observed July 16, 1969.

A water temperature of 5.0°C was observed Jan. 17, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 11...	1130	356	53	7.10	23.5	40	15	7.9	0.1	66
JAN 07...	1030	1360	51	6.70	10.0	20	20	10.2	1.8	K36
APR 07...	1030	434	64	7.10	22.5	30	12	8.0	—	K4
JUL 07...	1030	1410	34	6.80	27.5	120	40	6.8	1.4	—

DATE	STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 11...	64	12	3.0	1.0	5.3	1.2	15	3.0	5.5	<0.1
JAN 07...	K8	10	2.5	0.9	5.2	1.2	10	5.2	5.7	<0.1
APR 07...	K44	12	3.0	1.1	6.9	1.3	15	4.0	7.4	<0.1
JUL 07...	170	9	2.4	0.79	3.2	1.1	6	2.6	3.6	<0.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 11...	—	45	—	0.11	0.02	<0.01	0.4	0.05	0.04	0.02
JAN 07...	19	43	46	<0.10	0.05	0.05	0.5	0.05	0.03	0.02
APR 07...	23	60	57	0.12	0.03	0.04	0.4	0.06	0.02	0.02
JUL 07...	8.9	44	27	0.12	0.06	0.06	0.7	0.05	0.02	0.02

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 11...	—	—	—	<0.5	<1	3	<3	—	—	—
JAN 07...	60	<1	32	<0.5	<1	<1	<3	2	140	<5
APR 07...	150	<1	34	<0.5	1	<1	<3	3	320	6

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 11...	<4	<1	<0.1	<10	—	—	—	—	<6	<3
JAN 07...	<4	67	0.2	<10	<1	<1	<1	20	<6	11
APR 07...	<4	40	<0.1	<10	<1	<1	<1	29	<6	<3

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 11...	16	15	75
JAN 07...	15	55	80
JUL 07...	46	175	78

< Actual value is known to be less than the value shown.

08017035 CALCASIEU RIVER AT SALTWATER BARRIER CONTROL STRUCTURE (WEST SIDE), AT LAKE CHARLES, LA

LOCATION.--Lat 30°15'13", long 93°13'06", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, on north-west fender wall of lock at saltwater barrier control structure, and 1.9 mi north of Lake Charles.

DRAINAGE AREA.--Approximately 3,130 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1.54 ft below National Geodetic Vertical Datum of 1929 or 2.32 ft below mean low gulf level.

REMARKS.--Flow is regulated by saltwater barrier control structure and is tide and wind affected at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (recorded), 4.99 ft Oct. 21, 1985, but may have been higher during periods of no gage-height record; minimum (recorded), 0.42 ft Apr. 16, 1986, but may have been lower during periods of no gage-height record.

EXTREMES FOR CURRENT PERIOD.--1985 Water Year: Maximum gage-height (recorded), 4.99 ft Oct. 21, but may have been higher during periods of no gage-height record; minimum not determined.

1986 Water Year: Maximum gage-height (recorded), 4.97 ft Nov. 11, but may have been higher during periods of no gage-height record; minimum gage-height (recorded), 0.42 ft Apr. 16, but may have been lower during periods of no gage-height record.

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	3.58	3.01	2.58	---	3.13	2.11	2.56	2.45	2.22	---	---
2	2.33	3.08	3.40	1.71	---	2.95	1.81	1.83	2.50	2.19	---	---
3	2.36	3.09	2.76	---	---	3.17	2.21	1.47	2.56	1.96	---	---
4	2.64	3.28	2.88	---	2.16	3.42	2.84	2.14	2.68	2.07	---	3.39
5	2.98	2.53	3.13	---	2.40	2.56	2.82	2.47	---	2.33	---	3.36
6	2.98	2.65	1.92	1.93	1.91	2.53	2.61	2.63	---	2.08	---	3.20
7	2.97	3.22	2.21	1.79	1.91	2.88	2.78	2.61	---	2.18	---	2.90
8	2.86	3.43	2.45	1.91	2.25	2.65	2.18	2.37	---	2.21	---	2.73
9	2.92	3.37	2.52	2.50	2.91	2.44	2.53	2.19	---	1.97	---	2.70
10	3.01	2.61	2.42	2.32	2.79	2.36	2.72	2.24	---	1.92	---	2.80
11	2.82	1.77	2.59	---	---	2.62	2.62	2.51	---	1.75	---	2.92
12	2.98	2.37	2.69	---	---	2.38	2.56	2.71	---	2.04	---	2.93
13	2.92	2.57	3.08	2.10	1.84	2.36	2.83	3.08	---	2.26	---	2.67
14	3.37	2.80	2.90	2.31	1.79	2.07	2.86	3.07	---	2.28	---	2.70
15	3.44	2.86	3.00	1.99	---	1.77	2.73	2.26	---	2.11	---	3.31
16	3.64	2.28	2.98	2.64	2.12	2.45	2.15	2.24	---	2.05	---	3.26
17	3.44	2.95	2.64	1.98	2.48	2.15	1.97	1.85	---	1.95	---	3.19
18	3.86	3.42	2.62	1.83	2.10	2.25	2.48	2.16	---	2.24	---	3.24
19	3.82	2.56	2.52	2.05	2.01	2.75	2.62	2.54	---	2.43	---	3.34
20	4.40	2.18	2.69	---	2.16	3.34	2.69	2.52	---	2.27	---	3.28
21	4.49	2.18	2.94	---	2.77	2.82	3.01	2.63	---	2.22	---	3.35
22	4.08	2.26	2.49	---	2.83	2.28	3.39	2.49	---	2.18	---	3.48
23	3.95	2.54	2.33	1.77	3.34	2.70	3.30	2.42	---	2.04	---	3.25
24	3.91	2.60	2.85	1.94	2.78	2.33	2.74	2.34	---	2.32	---	2.46
25	4.41	2.86	2.32	1.81	2.74	2.13	2.59	2.44	---	2.37	---	2.80
26	4.31	2.95	2.43	1.58	2.73	2.47	3.24	2.45	---	2.00	---	2.20
27	4.06	3.02	2.85	2.63	2.58	3.10	3.26	2.51	---	2.04	---	2.31
28	3.76	2.10	2.88	1.85	2.73	3.20	2.85	2.62	---	2.21	---	2.63
29	3.42	3.15	2.89	2.31	---	3.17	2.50	2.76	1.97	2.17	---	3.04
30	3.41	3.25	2.86	2.73	---	3.46	2.53	2.87	2.21	---	---	2.53
31	3.40	---	3.35	2.30	---	2.30	---	2.78	---	---	---	---
MAX	4.49	3.58	3.40	2.73	3.34	3.46	3.39	3.08	---	2.43	---	---
MIN	2.12	1.77	1.92	---	---	1.77	1.81	1.47	---	1.75	---	2.20

08017035 CALCASIEU RIVER AT SALTWATER BARRIER CONTROL STRUCTURE (WEST SIDE), AT LAKE CHARLES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.97	4.04	2.86	1.58	2.27	---	1.83	2.85	---	---	1.63	2.41
2	2.55	4.78	1.52	2.10	2.09	1.89	1.89	2.58	---	---	1.52	2.64
3	2.82	4.61	2.50	2.06	2.40	1.65	2.41	2.49	---	---	1.66	2.66
4	2.84	4.04	2.66	2.08	2.90	---	2.58	2.68	---	---	1.74	2.53
5	1.73	3.60	2.00	---	2.61	---	2.32	3.09	---	---	1.93	2.37
6	2.20	3.30	1.94	2.11	2.39	1.79	2.01	2.98	---	---	2.00	2.20
7	2.52	2.76	2.36	1.95	2.01	1.60	1.87	3.01	---	---	1.98	2.21
8	2.90	2.74	2.40	---	2.56	2.10	1.88	2.98	---	---	1.99	2.28
9	2.69	3.19	2.44	---	2.16	2.24	1.27	2.83	---	---	2.14	2.45
10	2.90	3.11	2.68	---	2.00	2.37	1.65	2.84	---	---	1.98	2.75
11	2.74	2.95	2.72	1.66	---	2.21	1.81	2.78	---	---	1.73	2.99
12	2.74	2.85	2.47	1.97	1.59	2.59	1.91	2.53	---	---	1.87	2.51
13	2.77	2.83	2.01	1.45	2.00	2.14	1.79	2.42	---	---	1.95	2.33
14	2.90	2.80	---	1.76	2.60	2.30	2.04	2.62	---	---	2.14	2.49
15	2.68	2.79	2.18	1.85	1.97	2.22	1.48	2.94	---	---	2.13	2.67
16	2.43	2.58	2.07	2.10	2.60	1.99	1.20	3.31	---	---	2.01	2.51
17	2.80	2.74	2.10	2.43	2.60	2.16	1.51	3.32	---	---	1.76	2.61
18	3.17	2.95	2.13	2.21	2.33	2.84	1.94	2.68	---	---	1.28	2.73
19	3.02	3.04	1.98	2.04	2.29	1.86	2.15	2.21	---	---	1.52	2.66
20	2.92	1.99	1.98	1.97	2.27	---	2.19	2.35	---	---	1.70	2.73
21	2.83	2.20	2.00	2.07	2.19	---	1.10	2.61	---	---	1.79	2.67
22	2.95	2.77	2.08	1.78	1.82	1.45	1.11	2.97	---	---	1.97	2.76
23	3.22	3.27	2.10	---	1.83	1.58	1.49	3.20	---	---	2.25	2.73
24	3.14	2.70	2.00	2.17	2.28	1.38	1.64	2.98	---	---	1.82	3.02
25	3.00	2.67	---	2.32	1.86	1.66	1.83	2.84	---	---	1.87	3.16
26	3.09	3.00	1.61	---	2.43	1.81	1.84	2.74	---	---	1.90	3.03
27	2.57	2.90	2.07	---	1.94	1.52	2.23	2.64	---	---	1.90	2.81
28	1.94	2.79	---	1.73	---	1.48	2.01	2.44	---	---	1.85	2.95
29	2.73	2.66	---	1.80	---	1.47	2.37	1.89	---	---	1.77	3.23
30	2.09	2.88	2.18	1.67	---	1.62	2.88	---	---	---	2.13	3.27
31	2.49	---	2.16	2.14	---	1.85	---	---	---	---	2.35	---
MAX	3.22	4.78	2.86	2.43	2.90	2.84	2.88	3.32	---	---	2.35	3.27
MIN	1.73	1.99	1.52	---	1.59	1.38	1.10	---	---	---	1.28	2.20

08017075 CALCASIEU RIVER AT MOSS LAKE, LA

LOCATION.--Lat 30°06'13", long 93°19'46", T.11 S., R.10 W., Calcasieu Parish, Hydrologic Unit 08080206, at dock at Burton Landing, and 1.1 mi southeast of Moss Lake, 24.0 mi above mouth of Calcasieu River.

DRAINAGE AREA.--Approximately 3,240 mi².

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 or 0.78 ft below mean low gulf level.

REMARKS.--Flow is regulated by saltwater barrier control structure 15 mi upstream and is tide and wind affected at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height (recorded), 3.32 ft Oct. 21, 1985, but may have been higher during periods of no gage height record; minimum gage-height (recorded), -1.88 ft Feb. 12, 1985, but may have been lower during periods of no gage-height record.

EXTREMES FOR CURRENT PERIOD.--1985 Water Year: Maximum gage-height (recorded), 3.32 ft Oct. 21, but may have been higher during periods of no gage-height record; minimum gage height (recorded), -1.88 ft Feb. 12, but may have been lower during periods of no gage-height record

1986 Water Year: Maximum gage-height (recorded), 2.29 ft Apr. 4, but may have been higher during periods of no gage-height record; minimum gage-height (recorded), -1.37 ft Feb. 11, but may have been lower during periods of no gage-height record.

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.12	1.43	1.14	---	1.32	.66	1.01	.91	.68	.31	1.92
2	---	1.69	1.71	.31	---	1.15	.30	.33	.98	.63	.26	1.38
3	---	1.64	1.12	.17	---	1.55	.70	.00	1.02	.41	.42	1.23
4	1.18	1.83	1.38	-0.36	---	1.62	1.33	.63	1.14	.54	.62	1.85
5	1.52	1.12	1.49	-0.17	---	.97	1.32	.96	1.14	.80	.65	1.74
6	1.49	1.18	.36	.44	---	1.06	1.14	1.14	1.03	.56	.67	1.59
7	1.50	1.75	.70	.25	.44	1.32	1.26	1.10	.84	.68	.55	1.30
8	1.34	1.98	.91	.39	.75	1.09	.73	.85	.61	.68	.51	1.16
9	1.46	1.90	.99	1.04	1.40	.97	1.06	.68	.49	.45	.47	1.21
10	1.52	1.16	.85	.88	1.29	.90	1.27	.74	.71	.36	.30	1.31
11	1.36	.45	1.01	-0.13	.08	1.12	1.15	1.02	.86	.24	.34	1.43
12	1.51	.90	1.15	-0.24	-0.77	.91	1.11	1.19	.51	.48	.59	1.38
13	1.44	1.13	1.59	.68	.26	.89	1.38	1.55	.57	.70	.83	1.15
14	1.90	1.35	1.42	.83	.27	.58	1.41	1.53	1.04	.71	1.09	1.26
15	1.88	1.42	1.55	.54	-0.23	.38	1.19	.76	.99	.55	.79	1.90
16	2.11	.95	1.50	1.16	.60	1.02	.66	.71	.99	.48	1.15	1.80
17	1.92	1.50	1.20	.46	.91	.66	.51	.36	1.25	.41	1.17	1.76
18	2.25	1.95	1.19	.27	.59	.80	.97	.68	1.00	.71	.88	1.78
19	2.22	1.00	1.09	.53	.52	1.29	1.11	1.02	.65	.90	.70	1.91
20	2.84	---	1.22	-0.14	.67	1.86	1.19	1.02	.96	.73	.70	1.84
21	2.84	---	1.47	-0.24	1.27	1.14	1.50	1.12	1.48	.71	.75	1.94
22	2.48	---	1.09	.00	1.38	.80	1.87	.97	1.53	.63	.84	2.07
23	2.36	---	.92	.26	1.78	1.19	1.73	.89	1.21	.50	.96	1.78
24	2.20	---	1.39	.43	1.13	.83	1.22	.85	.98	.78	.99	1.02
25	2.47	---	.92	.36	1.11	.68	1.10	.92	1.01	.80	.98	1.37
26	2.38	---	.97	.12	1.08	1.07	1.72	.94	.94	.46	1.03	.75
27	2.29	---	1.39	1.15	.88	1.61	1.75	1.01	.78	.47	---	.93
28	2.06	---	1.41	.34	1.08	1.69	1.32	1.10	.42	.64	---	1.25
29	1.84	---	1.38	---	---	1.67	1.00	1.22	.47	.60	1.47	1.65
30	1.89	1.61	1.38	---	---	1.90	1.01	1.30	.66	.62	1.54	.82
31	1.90	---	1.84	---	---	.79	---	1.20	---	.46	1.75	---
MAX	2.84	2.12	1.84	1.16	1.78	1.90	1.87	1.55	1.53	.90	1.75	2.07
MIN	---	.45	.36	-.36	-.77	.38	.30	.00	.42	.24	.26	.75

CALCASIEU RIVER BASIN

08017075 CALCASIEU RIVER AT MOSS LAKE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	---	---	---	.46	-0.15	1.19	.98	1.05	---	---	.77
2	1.29	---	---	---	.28	.38	1.24	.71	.97	---	---	.97
3	1.61	---	---	---	.59	.18	1.79	.57	1.04	---	---	.97
4	---	---	---	---	1.04	-0.20	1.92	.82	1.14	---	---	.83
5	---	---	---	---	.80	.10	1.64	1.30	1.33	---	---	.68
6	---	---	---	---	.51	.30	1.35	1.20	1.34	---	---	.51
7	---	---	---	---	.25	.16	1.19	1.24	1.21	---	---	.55
8	---	---	---	---	.73	.64	1.19	1.24	1.46	---	---	.60
9	---	---	---	---	.36	.79	.65	1.07	1.70	---	---	.78
10	---	---	---	---	.18	.86	1.02	1.09	1.67	---	---	1.05
11	---	---	---	---	-0.73	.77	1.17	1.06	1.40	---	---	1.25
12	---	---	---	---	-0.19	1.15	---	.80	.86	---	---	.78
13	---	---	---	---	.25	.70	---	.67	1.13	---	---	.62
14	---	---	---	---	.75	.85	---	.90	1.13	---	---	.82
15	---	---	---	---	.22	.78	---	1.19	1.21	---	---	.99
16	---	---	---	---	.77	.63	---	1.57	1.39	---	---	.83
17	---	---	---	---	.75	.93	---	1.55	1.50	---	---	.94
18	---	---	---	---	.54	1.55	.88	.92	1.53	---	---	1.06
19	---	---	---	---	.48	.63	1.13	.51	1.57	---	-0.14	.99
20	---	.48	---	---	.44	-0.01	1.01	.63	1.73	---	.01	1.05
21	---	.64	---	---	.38	-0.06	.10	.88	---	---	.12	.99
22	---	1.15	---	---	.02	.22	.11	1.28	---	---	.30	1.08
23	---	1.61	---	---	.09	.38	.47	1.45	---	---	.52	1.04
24	---	1.06	---	---	.52	.23	.60	1.22	---	---	.14	1.31
25	---	1.08	---	---	.18	.54	.79	1.11	---	---	.18	1.44
26	---	1.35	---	---	.75	.77	.91	.96	---	---	.22	1.29
27	---	1.24	---	---	.37	.68	1.19	.89	---	---	.21	1.08
28	---	---	---	---	-0.68	.71	.98	.75	---	---	.16	1.26
29	---	---	---	-0.05	---	.80	.89	.65	---	---	.13	1.49
30	---	---	---	-0.14	---	1.00	1.08	.78	---	---	.47	1.52
31	---	---	---	.34	---	1.22	---	.97	---	---	.69	---
MAX	---	---	---	---	1.04	1.55	---	1.57	---	---	---	1.52
MIN	---	---	---	---	-0.73	-0.20	---	.51	---	---	---	.51

08022765 BAYOU CASTOR NEAR FUNSTON, LA

LOCATION.--Lat 32°00'57", long 93°57'35", SW 1/4 NE 1/4 sec.24, T.12 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi downstream from Bushneck Bayou, and 2.4 mi south of Funston.

DRAINAGE AREA.--91.5 mi².

PERIOD OF RECORD.--October 1971 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 185.50 ft above National Geodetic Vertical Datum of 1929. Oct. 28, 1971 to Oct. 11, 1983, water stage recorder; Oct. 12, 1983 to Dec. 18, 1984, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 1-6, and Nov. 11-17. Records good except those for estimated daily discharges, which are fair. Prior to July 28, 1986, lowest recordable stage 1.92 ft. Below 1.92 ft Oct. 8-23, 27-30.

AVERAGE DISCHARGE.--15 years, 63.6 ft³/s, 9.44 in/yr, 46,080 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,860 ft³/s Mar. 6, 1984, gage height, 15.29 ft from flood-mark; minimum, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 900 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 13	0400	978	13.32	June 28	0600	2140	14.26
June 10	0800	*2960	*14.63				

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.36	238	9.5	5.6	8.5	2.6	2.7	17	76	.02	.00
2	.00	.43	231	8.5	5.8	8.1	2.5	36	14	35	.01	.00
3	.00	.54	85	8.2	6.8	8.1	2.2	37	8.5	23	.04	.00
4	.00	.58	38	8.1	300	7.5	2.0	16	91	17	.27	.00
5	.00	.72	24	8.0	652	7.2	1.9	6.3	75	13	.11	.00
6	.00	.85	16	7.0	662	6.9	1.8	2.8	296	11	.04	.00
7	.00	1.0	13	7.1	448	6.7	1.6	1.4	205	9.6	.01	.00
8	.00	1.1	11	7.4	132	6.4	1.6	.65	103	8.1	.01	.00
9	.00	1.1	8.6	7.3	72	6.2	1.5	.98	1100	6.9	.13	.00
10	.00	.74	7.5	7.2	153	7.3	1.3	2.9	2580	6.1	.00	.00
11	.00	.60	205	7.6	215	6.4	1.2	2.9	1300	5.4	7.3	.00
12	.00	.48	728	7.2	125	8.4	2.0	1.7	517	4.7	15	.00
13	.00	.42	930	6.8	60	8.9	16	1.1	99	4.1	2.7	.00
14	.00	.38	539	6.5	42	8.2	13	.43	41	3.6	.60	.00
15	.00	.36	121	6.2	34	8.2	6.4	.20	25	4.1	.12	.00
16	.00	.35	57	6.1	29	7.1	4.9	.10	18	3.7	.04	.00
17	.00	.35	39	6.3	26	6.4	3.0	.71	14	3.2	.02	.00
18	.00	2.1	30	8.1	23	5.8	1.6		13	3.1	.00	.00
19	.00	4.3	23	22	20	5.3	4.8	31	13	3.1	.00	.00
20	.00	4.0	19	15	18	4.8	309	11	12	2.4	.00	.00
21	.05	3.9	16	11	16	4.5	324	3.8	8.8	1.4	.00	.00
22	.20	3.9	15	8.4	14	4.4	44	1.1	7.1	1.2	.00	.00
23	.32	3.9	13	7.1	13	4.2	14	.33	5.8	3.5	.00	.00
24	.36	95	13	6.4	12	4.0	8.2	.12	5.0	6.4	.00	.00
25	.36	428	11	6.8	11	4.3	5.0	.87	4.6	3.5	.00	.00
26	.36	526	9.8	7.2	10	3.7	2.8	39	4.1	2.0	.00	.00
27	.35	250	9.7	7.0	9.9	3.6	1.6	31	523	1.4	.00	.00
28	.35	408	11	9.1	9.2	3.7	1.7	16	1630	.47	.00	.00
29	.34	211	10	7.9	---	3.4	1.3	6.1	805	.25	.00	.00
30	.34	57	9.7	6.7	---	3.2	.90	3.8	220	.10	.00	.00
31	.35	---	9.6	6.0	---	3.0	---	11	---	.05	.00	---
TOTAL	3.38	2007.46	3490.9	253.7	3124.3	184.4	784.40	290.99	9754.9	263.37	26.42	.00
MEAN	.11	66.9	113	8.18	112	5.95	26.1	9.39	325	8.50	.85	.00
MAX	.36	526	930	22	662	8.9	324	39	2580	76	15	.00
MIN	.00	.35	7.5	6.0	5.6	3.0	.90	.10	4.1	.05	.00	.00
CFSM	.00	.73	1.23	.09	1.22	.07	.29	.10	3.55	.09	.01	.00
IN.	.00	.82	1.42	.10	1.27	.07	.32	.12	3.97	.11	.01	.00
AC-FT	6.7	3980	6920	503	6200	366	1560	577	19350	522	52	.00
CAL YR 1985	TOTAL	22584.86	MEAN	61.9	MAX	1560	MIN	.00	CFSM	.68	IN.	9.18
WTR YR 1986	TOTAL	20184.22	MEAN	55.3	MAX	2580	MIN	.00	CFSM	.60	IN.	8.21
											AC-FT	44800
											AC-FT	40040

08022765 BAYOU CASTOR NEAR FUNSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.92	7.81	2.69	2.41	2.49	2.04	2.34	3.18	5.05	1.73	1.43
2	---	1.94	7.90	2.62	2.43	2.46	2.04	3.90	3.06	3.86	1.70	1.43
3	---	1.96	5.26	2.60	2.50	2.46	2.01	3.97	2.76	3.35	1.74	1.44
4	---	1.97	3.94	2.60	8.23	2.42	1.99	3.15	5.33	3.09	1.90	1.44
5	---	1.99	3.40	2.59	11.93	2.40	1.98	2.61	4.95	2.91	1.84	1.46
6	---	2.01	3.07	2.51	12.00	2.38	1.97	2.35	8.74	2.77	1.77	1.50
7	1.46	2.03	2.90	2.52	10.32	2.37	1.95	2.21	7.36	2.69	1.71	1.49
8		2.04	2.76	2.54	6.20	2.34	1.95	2.13	5.49	2.59	1.70	1.47
9		2.04	2.63	2.54	4.99	2.33	1.95	2.17	12.22	2.51	1.81	1.45
10		1.99	2.55	2.53	6.61	2.40	1.93	2.35	14.46	2.45	1.65	1.44
11		---	6.48	2.56	7.68	2.34	1.92	2.35	13.64	2.40	2.15	1.43
12		---	12.28	2.53	6.10	2.49	1.99	2.24	10.68	2.35	2.94	1.43
13		---	13.15	2.50	4.65	2.52	2.92	2.18	5.56	2.30	2.18	1.42
14		---	10.93	2.48	4.09	2.47	2.75	2.08	4.06	2.26	1.96	1.42
15		---	6.00	2.46	3.76	2.47	2.34	2.02	3.45	2.30	1.83	1.42
16		---	4.58	2.45	3.55	2.39	2.23	1.98	3.13	2.27	1.76	1.42
17		---	4.00	2.47	3.40	2.34	2.08	2.06	2.95	2.23	1.73	1.42
18		2.32	3.65	2.59	3.29	2.30	1.96	3.40	2.92	2.21	1.69	1.42
19		2.32	3.38	3.31	3.16	2.26	2.13	3.78	2.90	2.22	1.65	1.41
20		2.29	3.19	2.99	3.05	2.23	8.76	2.89	2.81	2.16	1.62	1.41
21		2.29	3.07	2.78	2.94	2.20	8.89	2.42	2.64	2.07	1.57	1.41
22		2.28	2.99	2.62	2.83	2.19	4.16	2.18	2.52	2.05	1.57	1.41
23		2.28	2.93	2.52	2.76	2.18	3.08	2.06	2.43	2.24	1.54	1.41
24	1.92	4.83	2.87	2.47	2.69	2.16	2.75	1.99	2.37	2.47	1.54	1.41
25	1.92	10.15	2.78	2.50	2.63	2.18	2.52	2.07	2.34	2.25	1.57	1.41
26	1.92	11.06	2.70	2.53	2.60	2.14	2.34	4.03	2.30	2.12	1.56	1.40
27		8.10	2.70	2.52	2.58	2.13	2.23	3.72	10.28	2.06	1.54	1.40
28		9.97	2.77	2.66	2.54	2.14	2.24	3.17	13.94	1.95	1.52	1.40
29		7.38	2.73	2.58	---	2.12	2.20	2.60	12.47	1.89	1.51	1.39
30		4.58	2.70	2.49	---	2.10	2.16	2.43	7.63	1.83	1.47	1.39
31	1.92	---	2.70	2.44	---	2.08	---	2.86	---	1.78	1.45	---
MAX	---	11.06	13.15	3.31	12.00	2.52	8.89	4.03	14.46	5.05	2.94	1.50
MIN	---	---	2.55	2.44	2.41	2.08	1.92	1.98	2.30	1.78	1.45	1.39

08023000 BAYOU CASTOR NEAR LOGANSPOUT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in SW 1/4 NW 1/4 sec.1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi east of Loganspout, and 2.5 mi upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi².

PERIOD OF RECORD.--Water years 1966-1969, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED--SEDIMENT CONCENTRATIONS: January 1983 to September 1984.

SUSPENDED--SEDIMENT DISCHARGE: January 1983 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED--SEDIMENT CONCENTRATIONS: Maximum daily mean, 320 mg/L Feb. 12, 1984; minimum daily mean, 0 mg/L Jan. 15-23, 1984.

SUSPENDED--SEDIMENT DISCHARGE: Maximum daily, 507 tons Feb. 6, 1983; minimum daily, 0.00 tons Aug. 25, Nov. 9, 12-18, 1983, Jan. 15-23, June 26-30, July 1, 2, 14, 22-30, Aug. 10-13, Sept. 23-27, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	
APR 08...	0800	316	7.10	21.0	40	5.0	3.5	2.2	K20	86	64	14	
JUL 08...	1145	186	6.90	25.0	100	18	5.0	0.5	—	720	46	11	
DATE		MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
APR 08...	7.1	32	3.2	61	16	47	<0.1	12	183	170	0.10	0.88	
JUL 08...	4.6	18	3.1	38	16	22	0.1	21	134	120	0.24	0.83	
DATE		PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
APR 08...	0.10	—	—	—	—	—	—	—	—	—	—	—	—
JUL 08...	0.21	2	<1	7	<10	<0.5	<1	<1	1	<10	20	<1	
DATE		COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOVERABLE (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOVERABLE (UG/L AS PB)	MANGANESE, RECOVERABLE (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOVERABLE (UG/L AS HG)
JUL 08...	5	3	7	490	7500	<5	<5	150	230	<0.1	<0.1	0.12	
DATE		NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOVERABLE (UG/L AS ZN)	PCB, TOTAL (UG/L)	PCB, IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 08...	6	4	<1	<1	<1	<10	5	20	<0.1	1	<0.1	<1	

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

08023000 BAYOU CASTOR NEAR LOGANSPOUT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 08...	<0.01	<0.1	<0.1	<1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	0.01	<0.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JUL 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 08...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 08...	<0.01	<0.1	<0.1	<1	<1	<10	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW 1/4 SE 1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--72.5 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Feb. 24 to Apr. 19, indefinite stage-discharge relationship. Water-discharge records fair, except those for estimated daily discharge, which are poor.

AVERAGE DISCHARGE.--6 years, 54.6 ft³/s, 10.23 in/yr, 39,560 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft³/s Apr. 12, 1980, gage height, 14.18 ft; minimum, no flow at times all years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	1200	1810	11.40	June 10	2330	1390	11.03
Dec. 13	0530	1100	10.75	June 28	0430	*3200	*12.40

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	862	353	7.7	8.4	.84	.38	4.3	8.6	103	.44	.61
2	.00	414	628	8.2	9.3	.80	.36	5.6	5.5	14	.30	.66
3	.00	64	578	8.3	11	.76	.35	11	3.4	5.2	.18	.77
4	.00	10	167	8.4	155	.72	.34	8.6	2.5	3.8	.15	.70
5	.00	4.1	29	8.5	425	.70	.33	4.6	1.9	3.1	.16	.72
6	.00	2.7	9.3	8.7	630	.68	.32	3.4	61	2.7	.28	1.0
7	.00	2.2	5.2	8.8	547	.66	.31	2.8	159	2.7	.30	1.1
8	.00	1.8	4.0	8.6	344	.64	.31	2.2	40	2.5	.23	1.0
9	.00	1.8	3.5	8.3	70	.64	.30	2.6	296	2.7	.13	.95
10	.00	1.9	3.3	9.0	37	3.9	.29	2.7	973	2.5	.56	.87
11	.00	1.8	168	8.8	131	3.4	.29	3.0	1050	2.4	1.3	.80
12	.00	1.8	630	8.7	131	2.0	1.5	2.9	532	2.2	1.8	.70
13	.00	1.8	998	9.2	28	1.7	5.4	2.5	149	2.1	2.3	.60
14	.00	1.8	707	9.2	5.7	1.4	4.5	2.1	20	2.0	2.2	.50
15	.00	1.8	362	8.9	3.3	1.2	2.0	1.8	4.9	1.7	2.9	.39
16	.00	1.9	115	8.8	2.7	1.1	.90	1.8	3.2	1.4	2.9	.32
17	.00	2.1	53	9.1	2.2	.98	.70	2.7	4.6	1.1	2.7	.26
18	.00	2.2	29	7.2	2.0	.88	.56	9.8	52	.85	2.4	.18
19	.00	2.4	17	6.5	1.8	.80	.47	26	13	.56	2.2	.12
20	.00	2.9	12	6.8	1.6	.74	58	6.7	4.3	.33	1.9	.07
21	.00	2.7	9.5	7.1	1.4	.68	226	3.0	2.6	.25	1.8	.05
22	59	2.6	8.4	6.9	1.3	.64	265	1.9	1.9	.29	1.7	.05
23	102	2.5	7.7	6.4	1.2	.60	22	1.2	1.8	.44	1.5	.02
24	66	23	7.6	6.3	1.1	.56	7.1	26	2.2	.45	1.5	.00
25	13	349	7.7	6.4	1.0	.52	5.4	114	2.5	.40	1.4	.00
26	5.8	528	7.3	6.8	.96	.50	5.2	52	2.6	.41	1.2	.00
27	4.9	474	7.2	7.1	.92	.47	4.6	53	570	.67	1.0	.00
28	8.8	265	7.2	7.5	.89	.45	6.8	12	2230	.82	.95	.00
29	75	186	7.6	6.8	---	.43	6.0	4.7	860	.87	.85	.00
30	547	66	8.4	6.3	---	.41	4.9	2.8	514	.74	.77	.00
31	1540	---	8.0	7.3	---	.39	---	2.0	---	.59	.70	---
TOTAL	2421.50	3283.8	4957.9	242.6	2554.77	30.19	630.61	379.7	7571.5	162.77	38.70	12.44
MEAN	78.1	109	160	7.83	91.2	.97	21.0	12.2	252	5.25	1.25	.41
MAX	1540	862	998	9.2	630	3.9	265	114	2230	103	2.9	1.1
MIN	.00	1.8	3.3	6.3	.89	.39	.29	1.2	1.8	.25	.13	.00
CFSM	1.08	1.50	2.21	.11	1.26	.01	.29	.17	3.48	.07	.02	.01
IN.	1.24	1.68	2.54	.12	1.31	.02	.32	.19	3.88	.08	.02	.01
AC-FT	4800	6510	9830	481	5070	60	1250	753	15020	323	77	25
CAL YR 1985	TOTAL	29658.47	MEAN	81.3	MAX	2010	MIN	.00	CFSM	1.12	IN.	15.22
WTR YR 1986	TOTAL	22286.48	MEAN	61.1	MAX	2230	MIN	.00	CFSM	.84	IN.	11.44
											AC-FT	58830
											AC-FT	44210

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.49	10.44	8.27	4.07	4.10	4.26	4.94	4.44	4.77	6.25	3.41	3.60
2	2.50	8.85	9.89	4.09	4.16	4.29	4.98	4.57	4.57	4.83	3.37	3.61
3	2.49	5.74	9.68	4.10	4.23	4.37	5.00	4.90	4.30	4.35	3.33	3.65
4	2.47	4.69	6.93	4.11	6.45	4.42	4.99	4.78	4.10	4.18	3.32	3.63
5	2.46	4.21	5.21	4.12	9.01	4.46	5.02	4.48	3.96	4.06	3.32	3.64
6	2.45	3.94	4.62	4.13	9.90	4.52	5.02	4.30	5.74	3.97	3.38	3.74
7	2.44	3.82	4.33	4.13	9.61	4.55	5.05	4.17	6.96	3.97	3.39	3.76
8	2.43	3.74	4.18	4.12	8.44	4.60	5.06	4.05	5.47	3.92	3.37	3.75
9	2.42	3.74	4.11	4.10	6.09	4.64	5.06	4.14	7.93	3.96	3.34	3.73
10	2.41	3.76	4.07	4.14	5.68	4.67	5.07	4.15	10.55	3.93	3.48	3.70
11	2.40	3.75	6.36	4.13	6.75	4.71	5.07	4.22	10.65	3.91	3.70	3.68
12	2.38	3.74	9.87	4.13	6.75	4.79	5.12	4.19	9.43	3.88	3.81	3.65
13	2.37	3.74	10.62	4.16	5.51	4.82	5.15	4.09	6.77	3.84	3.95	3.62
14	2.40	3.74	10.11	4.15	4.84	4.85	5.28	4.02	4.97	3.80	3.93	3.59
15	2.98	3.74	8.52	4.14	4.56	4.86	5.12	3.95	4.32	3.73	4.08	3.56
16	3.05	3.76	6.20	4.13	4.43	4.88	5.08	3.95	4.07	3.67	4.09	3.53
17	2.98	3.82	5.25	4.15	4.34	4.88	5.04	4.10	4.11	3.60	4.05	3.51
18	2.95	3.83	4.79	4.03	4.29	4.90	5.08	4.86	5.63	3.52	3.99	3.48
19	2.97	3.89	4.49	3.98	4.25	4.91	5.10	5.31	4.78	3.44	3.93	3.46
20	3.07	3.98	4.30	4.00	4.18	4.91	5.92	4.63	4.23	3.37	3.89	3.43
21	3.07	3.94	4.18	4.02	4.15	4.91	7.59	4.21	3.94	3.34	3.86	3.41
22	4.69	3.92	4.11	4.01	4.11	4.90	7.88	3.97	3.79	3.36	3.83	3.41
23	6.10	3.89	4.06	3.97	4.08	4.89	5.16	3.81	3.76	3.40	3.80	3.38
24	5.57	4.56	4.06	3.96	4.08	4.88	4.70	4.37	3.86	3.41	3.79	3.36
25	4.14	8.50	4.06	3.97	4.09	4.88	4.56	6.45	3.92	3.39	3.76	3.34
26	3.67	9.54	4.04	4.00	4.09	4.89	4.54	5.72	3.94	3.40	3.73	3.31
27	3.61	9.28	4.03	4.02	4.18	4.90	4.48	5.75	8.87	3.47	3.70	3.29
28	3.86	7.92	4.03	4.05	4.19	4.91	4.68	4.90	11.70	3.52	3.67	3.27
29	5.47	7.20	4.06	4.00	---	4.93	4.62	4.48	10.40	3.53	3.65	3.25
30	8.99	5.78	4.11	3.96	---	4.93	4.52	4.17	9.36	3.50	3.63	3.23
31	11.17	---	4.09	4.03	---	4.95	---	4.00	---	3.45	3.62	---
MAX	11.17	10.44	10.62	4.16	9.90	4.95	7.88	6.45	11.70	6.25	4.09	3.76
MIN	2.37	3.74	4.03	3.96	4.08	4.26	4.48	3.81	3.76	3.34	3.32	3.23

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: February 1981 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 372 mg/L Aug. 3, 1982; minimum daily mean, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 583 tons Apr. 18, 1982; minimum daily, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
OCT 10...	1445	157	7.30	23.0	10	7.0	7.8	2.0	K4	42	44
DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)
OCT 10...	11	4.0	12	5.1	57	3.6	12	0.1	7.2	92	90
DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 10...	0.01	0.97	0.07	2	1	<10	<10	2	<1	20	<1
DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
OCT 10...	3	3	510	11	<5	0.1	0.1	3	3	<1	<1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 10...	30	10	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01

DATE	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 10...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 10...	<0.01	<0.01	<0.01	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft above National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 22 to Mar. 9. Water-discharge records good, except those for estimated daily discharge, which are fair. Several measurements of water temperature were made during the year. Stream was dry Oct. 1-16, Aug. 20 to Sept. 30.

AVERAGE DISCHARGE.--9 years, 73.7 ft³/s, 12.48 in/yr 53,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft³/s Sept. 20, 1958, gage height, 20.36 ft from rating curve extended above 8,400 ft³/s on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 13	0200	*1110	*15.73	No peak greater than base discharge.			
Minimum, no flow many days.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	.00	673	77	17	7.8	8.4	4.2	5.8	62	66	.20	.00		
2	.00	261	337	14	7.6	8.0	4.0	19	58	35	.08	.00		
3	.00	46	342	13	50	7.6	3.7	53	22	25	.13	.00		
4	.00	34	67	12	200	7.2	3.5	19	22	18	.39	.00		
5	.00	23	40	11	680	6.8	3.2	8.4	161	13	.33	.00		
6	.00	18	31	11	700	6.6	3.1	5.1	282	11	.36	.00		
7	.00	16	25	10	300	6.4	2.9	4.0	351	8.5	.26	.00		
8	.00	14	22	10	120	6.2	2.8	4.5	329	7.0	.21	.00		
9	.00	13	19	10	70	6.2	2.5	5.0	547	5.8	.18	.00		
10	.00	12	18	11	80	6.0	4.7	6.5	476	4.9	.09	.00		
11	.00	11	197	13	200	6.0	5.7	7.4	194	4.7	.25	.00		
12	.00	11	877	14	320	83	6.8	7.0	96	4.2	9.1	.00		
13	.00	11	982	13	150	102	18	7.7	47	3.7	14	.00		
14	.00	11	625	11	80	40	17	5.5	24	3.0	4.4	.00		
15	.00	11	241	10	45	25	8.7	7.9	16	2.8	2.4	.00		
16	.00	11	75	10	35	19	6.0	7.9	20	2.3	1.3	.00		
17	2.9	11	53	9.4	30	15	4.5	17	61	1.9	.53	.00		
18	4.1	11	42	9.0	26	13	3.6	170	52	1.5	.24	.00		
19	3.6	12	35	9.2	23	14	4.1	110	88	1.2	.04	.00		
20	32	13	30	9.7	21	13	214	28	131	.90	.00	.00		
21	60	11	26	9.8	18	9.4	366	15	56	.70	.00	.00		
22	14	11	24	9.4	16	7.7	76	9.5	24	2.8	.00	.00		
23	15	9.9	23	8.8	14	6.9	17	6.9	15	2.8	.00	.00		
24	22	38	22	8.4	13	6.5	8.8	5.3	12	3.5	.00	.00		
25	12	277	20	14	12	6.2	5.7	22	17	3.1	.00	.00		
26	8.8	512	17	16	11	5.9	4.1	135	9.5	1.9	.00	.00		
27	7.6	473	16	11	10	5.7	3.1	72	456	1.8	.00	.00		
28	10	296	17	10	9.2	5.5	10	40	981	1.4	.00	.00		
29	68	151	18	9.4	---	5.2	27	20	722	.92	.00	.00		
30	320	59	18	8.8	---	4.9	11	11	275	.57	.00	.00		
31	699	---	17	8.2	---	4.5	---	9.1	---	.34	.00	---		
TOTAL	1279.00	3060.9	4353	341.1	3248.6	467.8	851.7	844.5	5606.5	240.23	34.49	.00		
MEAN	41.3	102	140	11.0	116	15.1	28.4	27.2	187	7.75	1.11	.00		
MAX	699	673	982	17	700	102	366	170	981	66	14	.00		
MIN	.00	9.9	16	8.2	7.6	4.5	2.5	4.0	9.5	.34	.00	.00		
CFSM	.51	1.27	1.75	.14	1.45	.19	.35	.34	2.33	.10	.01	.00		
IN.	.59	1.42	2.02	.16	1.51	.22	.40	.39	2.60	.11	.02	.00		
AC-FT	2540	6070	8630	677	6440	928	1690	1680	11120	476	68	.00		
CAL YR 1985	TOTAL	25634.85	MEAN	70.2	MAX	1420	MIN	.00	CFSM	.88	IN.	11.89	AC-FT	50850
WTR YR 1986	TOTAL	20327.82	MEAN	55.7	MAX	982	MIN	.00	CFSM	.69	IN.	9.43	AC-FT	40320

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.44	15.23	9.75	7.52	---	---	6.66	7.24	9.23	9.58	6.07	5.74
2	5.43	12.48	13.55	7.33	---	---	6.64	7.96	9.33	8.51	6.03	5.73
3	5.43	8.92	13.42	7.27	---	---	6.61	9.42	7.87	8.04	6.04	5.73
4	5.43	8.46	9.61	7.22	---	---	6.59	8.08	7.79	7.66	6.14	5.72
5	5.42	7.89	8.71	7.17	---	---	6.56	7.45	11.64	7.39	6.12	5.71
6	5.42	7.61	8.30	7.13	---	---	6.55	7.18	13.14	7.19	6.13	5.70
7	5.40	7.46	8.01	7.10	---	---	6.52	7.07	13.64	7.04	6.10	5.70
8	5.40	7.36	7.82	7.09	---	---	6.51	7.12	13.02	6.91	6.08	5.69
9	5.40	7.28	7.70	7.09	---	---	6.48	7.17	14.79	6.81	6.07	5.69
10	5.40	7.22	7.60	7.15	---	6.83	6.71	7.30	14.43	6.73	6.03	5.69
11	5.40	7.18	10.71	7.27	---	6.83	6.80	7.38	12.05	6.71	6.07	5.69
12	5.40	7.16	15.52	7.38	---	9.70	6.90	7.35	10.44	6.66	7.07	5.69
13	5.42	7.16	15.62	7.29	---	10.50	7.64	7.40	8.95	6.61	7.44	5.68
14	5.47	7.15	15.05	7.19	---	8.70	7.59	7.21	8.02	6.54	6.68	5.68
15	5.51	7.13	12.44	7.11	---	8.04	7.05	7.42	7.54	6.51	6.46	5.68
16	5.51	7.13	9.87	7.13	---	7.72	6.83	7.42	7.73	6.45	6.32	5.67
17	6.16	7.14	9.19	7.05	---	7.48	6.69	7.85	9.43	6.40	6.18	5.67
18	6.71	7.14	8.80	7.02	---	7.34	6.60	11.82	9.14	6.34	6.09	5.67
19	6.66	7.22	8.50	7.04	---	7.40	6.63	10.58	10.23	6.30	6.01	5.67
20	8.26	7.27	8.25	7.08	---	7.33	11.88	8.20	11.10	6.25	5.95	5.66
21	9.32	7.18	8.08	7.08	---	7.11	13.78	7.46	9.23	6.21	5.92	5.67
22	7.47	7.13	7.95	---	---	6.97	9.82	7.12	7.98	6.50	5.88	5.69
23	7.53	7.09	7.89	---	---	6.91	7.99	6.91	7.47	6.51	5.86	5.68
24	7.97	8.28	7.86	---	---	6.87	7.49	6.77	7.32	6.58	5.88	5.68
25	7.32	12.96	7.72	---	---	6.85	7.23	7.53	7.59	6.55	5.88	5.68
26	7.12	14.62	7.58	---	---	6.82	7.08	11.26	7.11	6.40	5.86	5.67
27	7.03	14.41	7.50	---	---	6.80	6.98	9.71	13.44	6.38	5.84	5.67
28	7.22	13.26	7.54	---	---	6.78	7.55	8.71	15.62	6.33	5.82	5.68
29	9.54	11.43	7.62	---	---	6.75	8.48	7.76	15.23	6.25	5.80	5.68
30	13.15	9.37	7.60	---	---	6.73	7.66	7.24	12.80	6.19	5.77	5.67
31	15.29	---	7.55	---	---	6.69	---	7.08	---	6.12	5.75	---
MAX	15.29	15.23	15.62	---	---	10.50	13.78	11.82	15.62	9.58	7.44	5.74
MIN	5.40	7.09	7.50	---	---	---	6.48	6.77	7.11	6.12	5.75	5.66

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to September 1985.

SUSPENDED-SEDIMENT DISCHARGE: February 1981 to September 1985.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 852 mg/L May 5, 1981; minimum daily mean, no flow on many days during 1981, 1982, 1983, 1984, and 1985.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2820 tons June 8, 1981; minimum daily, no flow on many days during 1981, 1982, 1983, 1984, and 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
JAN 09...	1300	10	226	7.30	5.5	40	15	11.7	2.7	K75	260
APR 07...	1545	2.8	218	6.80	23.0	120	30	4.7	--	<2	440

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JAN 09...	37	9.0	3.6	26	2.6	21	13	42	<0.1	21	166
APR 07...	42	9.9	4.3	22	3.0	38	11	34	0.1	15	137

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
JAN 09...	130	0.07	0.62	0.08	<1	<1	4	<10	0.6	1	1
APR 07...	120	0.23	1.2	0.19	--	--	--	--	--	--	--

DATE	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
JAN 09...	<1	<10	40	<1	6	2	21	450	7600	5	<5

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
JAN 09...	30	810	0.2	<0.1	0.06	15	3	<1	<1	<1	40
DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)
JAN 09...	19	180	<0.1	8	<0.1	<1	<0.01	<0.1	<0.1	1	<0.01
DATE	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JAN 09...	0.2	<0.01	0.5	<0.01	<0.1	0.02	<0.2	<0.01	0.1	<0.01	<0.1
DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
JAN 09...	<0.01	<0.1	<0.01	<0.2	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JAN 09...	<0.5	<0.01	<0.1	<0.01	<0.2	<0.01	<1	<0.01	0.3	<0.01	<0.2
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 09...	<0.1	<1	<1	<10	<0.01	<0.2	<0.01	<0.01	<0.01	<0.01	<0.01

< Actual value is known to be less than the value shown.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JAN 09...	21	0.57	72
APR 07...	47	0.36	89

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56", in SW 1/4 sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on state highway 473, 0.2 mi upstream from Hamby Creek, 2.5 mi northeast of Toro, and 7.8 mi west of Hornbeck.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1955 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Nonrecording gage at same site and datum read once daily from Dec. 2, 1985 to May 15, 1986 and twice daily May 16, 1986 to Sept. 30, 1986.

REMARKS.--Estimated daily discharges: Oct. 1-7, 16-30, Nov. 25 to Dec. 1. Records good, except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--31 years, 146 ft³/s, 13.40 in/yr, 105,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft³/s Apr. 9, 1968, gage height, 25.73 ft from rating curve extended above 13,000 ft³/s; minimum 0.1 ft³/s Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft Sept. 30, Oct. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 31	1600	2420	13.61	Feb. 6	Unknown	*3870	b16.90
Dec. 12	2200	2460	a13.70				

a From graph of observer readings.
b From floodmark.

Minimum discharge, 6.4 ft³/s Oct. 10, 11, 12, gage height, 2.84 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	14	1840	220	55	40	67	34	59	102	32	8.9	9.8		
2	12	499	335	54	38	64	31	49	75	28	8.2	9.1		
3	15	197	193	53	45	60	29	38	38	22	12	8.6		
4	13	144	117	51	200	58	28	34	27	20	22	8.2		
5	11	101	88	50	1660	55	27	32	22	29	37	7.8		
6	9.0	78	75	48	3290	52	26	30	98	24	22	7.4		
7	7.4	66	66	47	1560	50	26	28	232	26	15	7.4		
8	6.8	58	60	48	582	47	25	27	264	63	12	7.6		
9	6.6	52	57	52	248	45	24	25	794	45	11	7.8		
10	6.5	48	55	57	172	42	24	24	977	37	10	7.8		
11	6.5	45	275	60	153	40	23	23	944	30	12	8.0		
12	6.5	44	1740	60	138	60	22	22	1130	24	20	41		
13	7.0	42	2050	57	132	124	22	22	523	19	20	37		
14	7.8	40	1230	53	128	104	21	20	153	18	16	24		
15	23	41	602	48	123	93	21	18	93	15	15	15		
16	250	50	249	46	118	87	21	17	132	14	14	11		
17	140	49	177	46	115	83	20	17	350	13	14	10		
18	80	56	151	47	112	80	20	55	182	12	13	9.6		
19	50	61	125	46	108	99	20	110	213	12	11	8.9		
20	54	54	106	46	104	115	19	52	95	11	9.8	8.2		
21	90	47	95	45	100	101	114	30	70	12	9.8	20		
22	140	42	86	45	96	93	112	23	64	27	9.3	28		
23	230	39	80	45	94	84	98	19	55	20	8.9	22		
24	350	47	75	47	89	77	90	16	45	24	8.6	17		
25	230	70	71	55	84	70	81	16	36	19	8.4	13		
26	150	110	68	60	80	64	73	31	30	27	8.6	11		
27	110	170	65	55	75	58	65	40	31	19	9.3	10		
28	250	250	62	52	71	53	58	33	30	15	9.8	9.8		
29	500	190	60	48	---	47	52	26	33	13	11	9.8		
30	1100	150	58	45	---	44	45	20	33	11	10	10		
31	2380	---	57	42	---	39	---	30	---	9.8	10	---		
TOTAL	6256.1	4680	8748	1563	9755	2155	1271	986	6871	690.8	406.6	404.8		
MEAN	202	156	282	50.4	348	69.5	42.4	31.8	229	22.3	13.1	13.5		
MAX	2380	1840	2050	60	3290	124	114	110	1130	63	37	41		
MIN	6.5	39	55	42	38	39	19	16	22	9.8	8.2	7.4		
CF SM	1.36	1.05	1.91	.34	2.35	.47	.29	.21	1.55	.15	.09	.09		
IN.	1.57	1.18	2.20	.39	2.45	.54	.32	.25	1.73	.17	.10	.10		
AC-FT	12410	9280	17350	3100	19350	4270	2520	1960	13630	1370	806	803		
CAL YR 1985	TOTAL	52290.8	MEAN	143	MAX	2750	MIN	2.9	CF SM	.97	IN.	13.14	AC-FT	103700
WTR YR 1986	TOTAL	43787.3	MEAN	120	MAX	3290	MIN	6.5	CF SM	.81	IN.	11.01	AC-FT	86850

08025500 BAYOU TORO NEAR TORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.01	---	4.01	3.76	4.17	3.65	4.06	4.56	3.61	2.96	3.02
2	---	6.89	6.14	3.99	3.72	4.13	3.58	3.91	4.26	3.53	2.93	2.99
3	---	5.30	5.28	3.97	3.84	4.08	3.54	3.72	3.72	3.39	3.09	2.97
4	---	4.92	4.70	3.94	5.32	4.04	3.52	3.64	3.49	3.32	3.38	2.95
5	---	4.54	4.41	3.92	11.37	4.00	3.50	3.60	3.39	3.55	3.71	2.94
6	---	4.30	4.27	3.90	15.66	3.96	3.48	3.57	4.52	3.00	3.39	2.92
7	---	4.15	4.15	3.88	11.18	3.92	3.47	3.52	5.51	3.48	3.19	2.92
8	2.86	4.05	4.08	3.89	7.42	3.88	3.45	3.49	5.71	4.11	3.10	2.93
9	2.85	3.96	4.03	3.95	5.60	3.84	3.43	3.45	8.40	3.85	3.04	2.94
10	2.84	3.89	4.00	4.03	5.14	3.79	3.42	3.42	9.15	3.70	3.01	2.94
11	2.85	3.84	5.50	4.08	5.00	3.76	3.40	3.40	9.02	3.57	3.09	2.95
12	2.85	3.82	11.64	4.07	4.88	4.08	3.38	3.38	9.72	3.42	3.34	3.80
13	2.87	3.79	12.61	4.03	4.83	4.76	3.37	3.37	7.12	3.30	3.33	3.74
14	2.91	3.76	10.10	3.97	4.79	4.57	3.36	3.33	5.00	3.27	3.24	3.47
15	3.36	3.77	7.52	3.90	4.75	4.46	3.35	3.28	4.46	3.20	3.20	3.21
16	---	3.92	5.61	3.86	4.71	4.40	3.35	3.24	4.83	3.15	3.17	3.08
17	---	3.91	5.17	3.86	4.68	4.36	3.34	3.26	6.22	3.12	3.15	3.06
18	---	4.02	4.98	3.87	4.65	4.32	3.33	4.00	5.21	3.09	3.12	3.03
19	---	4.09	4.77	3.86	4.61	4.53	3.32	4.63	5.40	3.07	3.06	3.00
20	---	3.99	4.59	3.86	4.57	4.68	3.31	3.95	4.48	3.05	3.01	2.97
21	---	3.87	4.48	3.85	4.54	4.55	4.67	3.57	4.20	3.10	3.02	3.38
22	---	3.79	4.39	3.85	4.50	4.46	4.65	3.41	4.13	3.49	3.00	3.57
23	---	3.74	4.32	3.85	4.47	4.37	4.52	3.30	4.01	3.34	2.98	3.42
24	---	3.86	4.27	3.87	4.42	4.29	4.43	3.23	3.85	3.44	2.97	3.28
25	---	---	4.22	4.00	4.37	4.21	4.33	3.23	3.69	3.29	2.96	3.18
26	---	---	4.18	4.07	4.32	4.13	4.24	3.58	3.57	3.50	2.97	3.10
27	---	---	4.14	4.01	4.27	4.05	4.14	3.76	3.58	3.29	3.00	3.07
28	---	---	4.10	3.96	4.22	3.97	4.04	3.63	3.57	3.19	3.02	3.05
29	---	---	4.08	3.90	---	3.88	3.95	3.47	3.62	3.12	3.06	3.05
30	---	---	4.05	3.85	---	3.82	3.85	3.33	3.62	3.04	3.04	3.07
31	13.50	---	4.03	3.80	---	3.74	---	3.56	---	3.00	3.04	---
MAX	---	12.01	12.61	4.08	15.66	4.76	4.67	4.63	9.72	4.11	3.71	3.80
MIN	---	---	4.00	3.80	3.72	3.74	3.31	3.23	3.39	3.00	2.93	2.92

08025606 BAYOU TORO NEAR TOLEDO BEND RESERVOIR, NEAR TORO, LA

LOCATION.--Lat 31°12'12", long 93°32'39", on line between secs.25 and 36, T.2 N., R.11 W., Vernon Parish, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi upstream from mouth and 7.3 mi south of Toro.

DRAINAGE AREA.--205 mi².

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

REVISED RECORDS.--WDR LA-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No elevations recorded below 91.80 ft. Oct. 4-15, 19, May 15-17, 24, 25, July 22, 30, 31, Aug. 1-3, 9-11, 16-26, 28, Aug. 31 to Sept. 12, Sept. 17-21, 26-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 113.73 ft May 22, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 108.67 ft June 13; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92.44	96.54	92.52	92.13	92.05	92.02	91.96	92.01	92.40	92.90		
2	92.09	94.76	93.11	92.12	92.03	92.00	91.96	92.11	92.37	93.18		
3	91.88	92.92	92.91	92.10	92.03	92.00	91.94	92.64	92.11	93.28		
4		92.68	92.50	92.08	94.28	92.00	91.93	92.28	91.95	93.30	91.81	
5		92.49	92.35	92.06	96.75	92.01	91.91	92.09	91.91	93.31	91.81	
6		92.35	92.27	92.04	97.35	91.99	91.91	91.97	92.62	93.28	92.00	
7		92.27	92.21	92.05	96.26	91.96	91.90	91.93	93.38	93.40	91.82	
8		92.22	92.17	92.04	93.23	91.96	91.89	91.88	94.20	93.09	91.80	
9		92.15	92.13	92.05	92.85	91.95	91.88	91.92	97.87	93.37		
10		92.09	92.10	92.63	92.67	91.95	91.86	91.90	102.21	93.32		
11		92.06	92.13	93.03	92.60	91.94	91.86	91.86	98.78	93.29		
12		92.05	95.88	93.04	92.51	92.45	91.87	91.89	108.09	91.93	91.81	
13		92.03	97.08	93.28	92.41	93.38	92.04	91.85	108.65	91.84	91.82	92.16
14		92.01	95.94	93.28	92.36	92.99	92.02	91.82	104.13	91.83	91.81	91.83
15		91.99	94.90	93.26	92.33	92.59	91.98		102.76	91.83	91.81	91.80
16	91.94	92.93	93.05	93.26	92.30	92.47	91.90		98.56	91.83		91.86
17	92.00	93.13	92.80	93.26	92.29	92.29	91.86		94.65	91.82		
18	91.86	92.46	92.65	93.27	92.27	92.21	91.83	92.04	93.47	91.81		
19		92.25	92.54	93.22	92.25	93.17	91.82	92.12	93.63	91.81		
20	91.88	92.15	92.46	93.21	92.22	93.21	92.58	92.25	93.54	91.81		
21	92.65	92.08	92.39	92.03	92.18	92.54	93.36	92.00	93.38	91.80		
22	92.21	92.03	92.35	92.01	92.15	92.30	92.62	91.89	93.34			92.53
23	91.99	92.00	92.31	91.99	92.12	92.20	92.21	91.83	93.38	91.90		91.90
24	91.95	91.98	92.29	92.83	92.10	92.14	92.05		93.26	91.83		91.87
25	92.01	92.94	92.25	93.26	92.08	92.11	91.96		93.21	91.84		91.82
26	91.91	93.34	92.20	93.28	92.06	92.08	91.91	91.82	93.03	91.84		
27	91.84	92.70	92.19	93.49	92.05	92.06	91.88	91.98	93.38	91.84	91.80	
28	92.75	93.08	92.20	93.46	92.04	92.04	91.89	91.94	91.95	91.80		
29	95.36	93.21	92.20	92.15	---	92.02	91.93	91.91	91.97	91.80	91.80	
30	96.83	92.69	92.17	93.13	---	91.99	92.07	91.84	91.98		91.83	
31	96.91	---	92.15	92.07	---	91.98	---	91.89	---	---	---	---
MAX	96.91	96.54	97.08	93.49	97.35	93.38	93.36	92.64	108.65	93.40	92.00	92.53
MIN	---	91.98	92.10	91.99	92.03	91.94	91.82	---	91.91	---	---	---

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LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs.25 and 26, T.1 S., R.10 W., Vernon Parish, Hydro-logic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Rosepine.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	342	6530	633	157	95	107	66	87	1190	185	24	18		
2	502	4080	999	146	99	94	63	323	456	114	21	22		
3	605	2500	762	138	104	89	60	306	279	178	24	110		
4	518	1520	457	131	524	97	56	256	248	281	27	59		
5	262	1130	310	127	1160	99	54	215	255	185	40	31		
6	145	910	239	120	1520	91	55	178	710	104	56	23		
7	92	740	194	121	1480	91	56	150	645	76	39	22		
8	64	630	172	160	1010	82	53	128	1160	63	35	20		
9	49	540	157	139	721	79	52	111	2470	69	41	20		
10	43	460	149	138	559	77	58	106	2290	60	56	17		
11	38	410	696	163	457	79	45	103	1550	53	76	17		
12	34	370	2460	153	377	243	57	92	1570	52	43	113		
13	33	330	3080	142	311	627	102	80	1250	45	182	196		
14	84	290	3580	127	267	603	89	67	847	40	73	87		
15	360	249	2830	117	267	532	81	56	578	36	42	43		
16	766	295	1150	111	237	421	70	52	457	32	33	37		
17	342	314	581	108	219	330	59	54	528	30	28	58		
18	190	259	429	109	215	265	51	139	791	27	24	31		
19	143	207	346	109	206	230	47	157	370	27	22	25		
20	309	179	293	104	197	208	434	126	367	25	20	24		
21	458	151	257	99	182	167	559	102	314	25	19	49		
22	682	119	230	102	176	140	358	81	247	41	17	117		
23	606	106	209	117	158	114	255	63	178	56	17	292		
24	1150	120	191	105	139	104	190	53	134	48	17	94		
25	626	279	177	96	132	96	150	146	111	49	16	67		
26	315	283	166	105	122	88	121	841	94	49	24	58		
27	259	318	173	104	114	85	100	456	94	45	79	55		
28	1680	751	219	99	112	83	91	305	94	54	40	54		
29	3210	648	206	91	---	78	95	402	247	47	35	57		
30	7700	420	184	96	---	74	81	255	317	37	25	51		
31	10100	---	169	96	---	71	---	1400	---	30	21	---		
TOTAL	31707	25138	21698	3730	11160	5544	3608	6890	19841	2163	1216	1867		
MEAN	1023	838	700	120	399	179	120	222	661	69.8	39.2	62.2		
MAX	10100	6530	3580	163	1520	627	559	1400	2470	281	182	292		
MIN	33	106	149	91	95	71	45	52	94	25	16	17		
CFSM	2.80	2.30	1.92	.33	1.09	.49	.33	.61	1.81	.19	.11	.17		
IN.	3.23	2.56	2.21	.38	1.14	.57	.37	.70	2.02	.22	.12	.19		
AC-FT	62890	49860	43040	7400	22140	11000	7160	13670	39350	4290	2410	3700		
CAL YR 1985	TOTAL	188271	MEAN	516	MAX	10100	MIN	17	CFSM	1.41	IN.	19.19	AC-FT	373400
WTR YR 1986	TOTAL	134562	MEAN	369	MAX	10100	MIN	16	CFSM	1.01	IN.	13.71	AC-FT	266900

08028000 BAYOU ANACOCO NEAR ROSELINE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.38	20.65	6.91	4.14	3.68	3.77	3.46	3.62	9.63	4.33	3.07	2.97
2	6.31	19.15	8.75	4.06	3.71	3.67	3.44	5.26	6.04	3.82	3.03	3.01
3	6.84	15.06	7.62	4.00	3.75	3.63	3.41	5.16	4.98	4.27	3.06	3.78
4	6.38	11.12	6.07	3.95	6.26	3.69	3.38	4.82	4.77	4.97	3.10	3.38
5	4.86	10.02	5.18	3.92	9.51	3.71	3.36	4.54	4.81	4.34	3.22	3.12
6	4.05	9.51	4.71	3.87	11.11	3.65	3.37	4.29	7.36	3.75	3.37	3.03
7	3.66	9.19	4.40	3.88	10.91	3.65	3.38	4.09	7.04	3.53	3.22	3.02
8	3.44	8.95	4.24	4.16	8.79	3.58	3.35	3.93	9.31	3.43	3.18	3.00
9	3.32	8.75	4.14	4.01	7.42	3.55	3.34	3.80	14.99	3.48	3.24	2.99
10	3.26	8.66	4.08	4.00	6.61	3.54	3.39	3.76	14.27	3.41	3.36	2.96
11	3.21	8.63	7.30	4.18	6.07	3.55	3.28	3.74	11.21	3.35	3.53	2.96
12	3.17	8.64	14.95	4.11	5.60	4.69	3.38	3.66	11.31	3.34	3.26	3.77
13	3.16	6.86	17.24	4.03	5.19	6.95	3.73	3.57	9.91	3.28	4.30	4.40
14	3.58	5.41	18.46	3.93	4.90	6.83	3.63	3.47	8.03	3.23	3.50	3.61
15	5.41	4.78	16.35	3.85	4.89	6.47	3.57	3.38	6.70	3.19	3.23	3.24
16	7.64	5.08	9.43	3.80	4.69	5.87	3.49	3.35	6.07	3.15	3.14	3.18
17	5.37	5.20	6.72	3.78	4.57	5.31	3.40	3.36	6.44	3.13	3.09	3.37
18	4.37	4.84	5.92	3.79	4.54	4.88	3.33	4.00	7.74	3.10	3.05	3.12
19	4.04	4.49	5.41	3.79	4.48	4.65	3.30	4.14	5.56	3.10	3.02	3.06
20	5.12	4.29	5.07	3.75	4.42	4.50	5.83	3.91	5.54	3.08	2.99	3.04
21	6.06	4.09	4.83	3.71	4.31	4.21	6.60	3.73	5.20	3.08	2.98	3.29
22	7.21	3.86	4.65	3.73	4.27	4.01	5.48	3.57	4.76	3.24	2.96	3.81
23	6.81	3.77	4.50	3.85	4.14	3.83	4.82	3.44	4.29	3.37	2.95	5.05
24	9.46	3.86	4.38	3.76	4.01	3.75	4.37	3.36	3.97	3.31	2.95	3.67
25	6.93	4.97	4.28	3.68	3.96	3.69	4.08	4.02	3.80	3.32	2.94	3.47
26	5.21	5.00	4.20	3.76	3.89	3.63	3.88	7.99	3.67	3.32	3.02	3.39
27	4.84	5.21	4.25	3.74	3.83	3.60	3.72	6.00	3.67	3.28	3.54	3.37
28	11.62	7.57	4.57	3.71	3.81	3.59	3.65	5.14	3.67	3.36	3.21	3.37
29	17.38	7.05	4.48	3.65	---	3.55	3.68	5.75	4.73	3.30	3.16	3.38
30	20.77	5.85	4.33	3.69	---	3.52	3.57	4.82	5.23	3.20	3.06	3.34
31	21.42	---	4.22	3.68	---	3.49	---	10.52	---	3.13	3.00	---
MAX	21.42	20.65	18.46	4.18	11.11	6.95	6.60	10.52	14.99	4.97	4.30	5.05
MIN	3.16	3.77	4.08	3.65	3.68	3.49	3.28	3.35	3.67	3.08	2.94	2.96

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", in SE1/4 sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi southwest of Knight, and 5.2 mi upstream from mouth.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1969 to September 1972.

WATER TEMPERATURES: December 1969 to September 1971.

COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever flow of bayou is sufficient to dilute effluent from mill. Daily discharge values are from Bayou Anacoco near Rosepine, La., upstream station (08028000).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.

WATER TEMPERATURES: Maximum daily, 33.0°C June 15, 1970; minimum daily, 7.0°C Jan. 9, 10, 1970.

COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 6.0°C was observed Jan. 19, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)
OCT 11...	0915	358	7.40	23.0	120	60	7.7	1.1	54	200	24	7.3
APR 07...	1430	391	7.10	26.0	120	3.0	6.2	—	K12	160	31	9.7

DATE	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 11...	1.4	64	2.7	60	51	34	0.1	15	226	210	0.40	0.71
APR 07...	1.6	63	3.3	53	64	35	<0.1	15	244	220	0.39	0.83

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS As)	ARSENIC DISSOLVED (UG/L AS As)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS As)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS Be)	BERYLLIUM, DISSOLVED (UG/L AS Be)	CADMIUM TOTAL RECOVERABLE (UG/L AS Cd)	CADMIUM DISSOLVED (UG/L AS Cd)	CADMIUM RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS Cr)	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS Cr)
OCT 11...	0.11	2	1	—	<10	<10	1	1	—	20	—	<1
APR 07...	0.10	—	—	1	—	—	—	—	<1	—	3400	—

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)
OCT 11...	5	4	—	270	—	<5	<5	—	—	0.5	0.3	—
APR 07...	—	—	5	—	1300	—	—	10	39	—	—	<0.01
DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
OCT 11...	2	1	<1	<1	30	20	—	<0.1	—	<0.1	—	<0.001
APR 07...	—	—	—	—	—	—	<10	—	<1	—	<1	—
DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)
OCT 11...	—	<0.1	—	<0.001	—	<0.001	—	<0.001	—	<0.01	—	<0.001
APR 07...	<0.1	—	<1	—	<0.1	—	<0.1	—	<0.1	—	<0.1	—
DATE	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
OCT 11...	—	<0.001	—	<0.001	—	<0.01	—	<0.001	—	<0.001	—	<0.001
APR 07...	<0.1	—	<0.1	—	<0.1	—	<0.1	—	<0.1	—	<0.1	—
DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT 11...	—	<0.01	—	<0.01	—	<0.01	—	<0.01	—	<0.01	—	<0.01
APR 07...	<0.1	—	<0.1	—	<0.1	—	<0.1	—	<0.1	—	<0.1	—
DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 11...	—	<0.1	—	<1	—	<0.01	—	<0.01	<0.01	<0.01	<0.01	
APR 07...	<0.1	—	<1	—	<10	—	<0.1	—	—	—	—	

< Actual value is known to be less than the value shown.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a seepage study are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986

ANNUAL MAXIMUM DISCHARGE AT GAGING STATION PARTIAL RECORD STATIONS DURING WATER YEAR 1966							
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
PEARL RIVER BASIN							
02491350	Hays Creek near Franklinton, La. (station discontinued).	Lat 30°53'16", long 90°11'28", Washington Parish, at bridge on State Highway 25, and 3.4 mi northwest of Franklinton water tower.	42.2	1966-86	10-30-85	a158.02	1,800
RED RIVER BASIN							
07348725	Indian Creek at Shongaloo, La.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 mi southeast of Shongaloo.	33.1	1966-86	4-20-86	42.50	1,530
07351670	Rambin Bayou near Frierson, La.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.75 mi south of Frierson.	59.6	1966-86	6- 6-81 7-17-82 5-21-83 3- 5-84 2-10-85 6-27-86	10.67 7.14 15.15 11.76 10.52 11.29	b3,210 b663 b13,600 b5,590 b2,980 4,450
07352400	Kepler Creek at Sparta, La.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta.	21.1	1954-68, 1974-86	6- 9-86	a183.39	1,190
07353990	Kisatchie Bayou at Kisatchie, La.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117 and 0.6 mi north of Kisatchie.	37.3	1966-86	10-30-85	22.07	3,120
07364870	Sugar Creek near Arcadia, La.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia.	*47	1966-86	4-12-86	43.50	1,300
07366403	Bayou Choudrant tributary near Tremont, La.	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi northwest of Tremont.	0.54	1966-86	10-30-85	7.48	157
07366420	Bayou Choudrant near Calhoun, La.	Lat 32°32'30", long 92°22'50", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi northwest of Calhoun.	113	1966-86	12-27-83 3- 6-84 2- 4-86	48.50 45.04 41.73	c26,800 c10,300 1,490

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

ANNUAL MAXIMUM DISCHARGE AT GAGING STATION					ANNUAL MAXIMUM DISCHARGE AT GAGING STATION		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN--Continued							
07367250	Guyton Creek near Eros, La.	Lat 32°25'25", long 92°21'30", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi northeast of Eros.	8.76	1968-86	2- 4-86	9.46	222
07369360	Bushley Creek at Manifest, La.	Lat 31°42'50", long 91°57'10", Catahoula Parish, at bridge on State Highway 8, and 0.5 mi east of Manifest.	64.7	1984-86	10-30-85	38.05	3,770
07370600	Beaucoup Creek near Cotton Plant, La.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi west of Cotton Plant.	127	1951-68, 1974-86	10-30-85	10.18	2,430
07372110	Brushy Creek near Joyce, La.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce.	*24	1965-86	10-31-85	42.69	414
THOMPSON CREEK BASIN							
07373450	Thompson Creek at Jackson, La.	Lat 30°50'25", long 91°13'35", East Feliciana-West Feliciana Parish line, at bridge on State Highway 10, and 0.5 mi west of Jackson.	99.3	1949-59, 1972-73, 1975-86	10-28-85	a82.58	3,740
07373640	Hammer Creek tributary near Jackson, La.	Lat 30°50'40", long 91°17'35", West Feliciana Parish, at culvert on State Highway 10, 2.8 mi east of Elm Park, and 4.7 mi west of Jackson.	.20	1968-86	3- 5-86	4.02	147
BAYOU BATON ROUGE BASIN							
07373965	South Canal near Baker, La.	Lat 30°37'00", long 91°08'56", East Baton Rouge Parish, at bridge on McHugh Rd., 1.4 mi upstream from Cypress Bayou, and 2.3 mi northeast of Baker.	(d)	1972-82e, 1983-86	10-28-85	16.63	1,720
MISSISSIPPI RIVER DELTA							
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mi north of village of Abita Springs.	46.1	1966-86	10-28-85	a20.03	1,660
07375307	Terrys Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 mi northeast of Kentwood.	52.0	1966-86	12-12-85	9.98	1,140
07377210	Sandy Creek near Pride, La.	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carlson Road, 0.8 mi east of Intersection of Carlson Road with State Highway 409, and 1.9 mi southeast of Pride.	69.90	1976-86	10-28-85	a89.60	3,460
07377755	White Bayou East Diversion Channel near Baton Rouge, La.	Lat 30°37'00", long 91°06'55", East Baton Rouge Parish at bridge on U.S. Highway 67 (Plank Road) 12.2 mi north of Baton Rouge, and 6.5 mi north-east of terminal building at Ryan Airport at Baton Rouge.	(d)	1972-84e, 1985-86	10-28-85	13.16	782

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

ANNUAL MAXIMUM DISCHARGE AT GREAT STAGE PARTIAL RECORD STATIONS DURING WATER YEAR 1986					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (ft)	Dis-charge (ft ³ /s)
MISSISSIPPI RIVER DELTA--Continued							
07377842	White Bayou near Baker, La.	Lat 30°34'45", long 91°07'18", East Baton Rouge Parish at bridge on Pettit Road, and 2.9 mi east of City of Baker.	(d)	1972-84e, 1985-86	10-28-85	13.29	425
07378070	Beaver Bayou near Fred, La.	Lat 30°37'32", long 91°03'08", East Baton Rouge Parish, at bridge on State Highway 946, 0.2 mi southwest of intersection of State Highways 64 and 946, and 3.6 mi southeast of Fred.	0.17	1975-86	1986	<11.6	(#)
07379085	North Branch Ward Creek tributary at Baton Rouge, La.	Lat 30°26'43", long 91°05'26", East Baton Rouge Parish, at culvert on U.S. Highway 61 at Baton Rouge, and 0.2 mi upstream from mouth.	.13	1969-86	10-28-85	10.77	79
MERMENTAU RIVER BASIN							
08011800	Castor Creek near Oberlin, La.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin.	43.9	1964-86	10-28-85	a48.93	7,120
CALCASIEU RIVER BASIN							
08013610	Whisky Chitto Creek tributary near Leesville, La.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, and 3.2 mi upstream from mouth.	0.32	1966-86	8-12-86	10.55	536
08014200	Tenmile Creek near Elizabeth, La. (station discontinued).	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 112, 0.3 mi downstream from Carter Branch, and 5.3 mi southwest of Elizabeth.	94.2	1950-65e, 1966-86	10-30-85	15.17	4,910
08015200	Dry Creek at Dry Creek, La.	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi south of Dry Creek.	42.7	1954-68, 1975-86	10-30-85	24.05	6,160
SABINE RIVER BASIN							
08024030	Bayou Scie at Zwolle, La.	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi east of Zwolle.	45.9	1950-68, 1974-86	2- 4-86	12.54	3,610
08025850	Pearl Creek at State Highway 111, at Burr Ferry, La.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge on State Highway 111, and 0.8 mi northeast of Burr Ferry.	9.66	1967-86	12-27-82 2-13-84 10-22-84 5-26-86	10.77 12.78 6.09 6.43	c2,130 c3,230 e507 580

a Elevation; National Geodetic Vertical Datum (NGVD) of 1929.

b Not previously published.

c Discharge previously published was found in error.

d Drainage area not determined.

e Operated as a continuous-record gaging station.

* Approximately.

< Less than amount shown.

Discharge not determined.

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
PEARL RIVER BASIN						
02491800	Bogue Chitto at Enon, La.	Lat 30°43'10", long 90°05'00", St. Tammany Parish, at bridge on State Highway 437, and 0.5 mi south of Enon.	1,107	1950-63, 1973-86	10-28-85	99.93
02492663	French Branch near Slidell, La. (station discontinued).	Lat 30°17'40", long 89°44'10", St. Tammany Parish, at bridge on State Highway 1092, and 3.5 mi northeast of Slidell.	(#)	1966-86	10-28-85	*11.04
RED RIVER BASIN						
07348010	Twelvemile Bayou below Dixie, La.	Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 mi southeast of Dixie.	(#)	1979-85a, 1986b	6-30-86	*26.54
07349365	Macks Bayou at Bossier City, La. (station discontinued).	Lat 32°31'59", long 93°40'24", Caddo Parish, at bridge on U.S. Highway 80, and 3.3 mi northeast of Bossier City Post Office.	(#)	1963-86	6- 9-86 6-27-86	158.72 158.72
07350820	Sand Beach Bayou at Shreveport, La.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall.	(#)	1963-86	6- 9-86	*41.96
07351200	Brush Bayou at Shreveport, La.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railroad Company railroad bridge, and 4.9 mi southwest of Shreveport city hall.	3.4	1960-86	6- 9-86 6-27-86	183.13 183.65
07351300	Brush Bayou near Shreveport, La.	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 mi south of Shreveport.	27.1	1960-86	6- 9-86 6-27-86	162.72 162.51
07351755	Bayou Pierre at Powhatan, La.	Lat 31°51'37", long 93°12'22", Natchitoches Parish, at bridge on State Highway 485, 1.0 mi southwest of Powhatan, and 11.8 mi upstream from mouth.	879	1981-85a, 1986b	6-30-86	20.56
07352410	Kepler Lake near Castor, La.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, and 5.0 mi north of Castor.	46.2	1960-65c, 1966-86	6- 9-86	177.58
07354740	Old River at Montrose, La. (station discontinued).	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-86	10-30-85	95.85
07354780	Cane River near Cloutierville, La. (station discontinued).	Lat 31°33'15", long 92°53'20", Natchitoches Parish, on left bank at south end of drainage canal and floodgates on State Highway 495, and 2.2 mi northeast of Cloutierville.	582	1960-86	1986	<94.6

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
RED RIVER BASIN--Continued						
07355400	Bayou Marteau near Rock Hill, La. (station discontinued).	Lat 31°25'31", long 92°35'50", Grant Parish, at bridge on unnumbered parish road, 2.2 mi southwest of Rock Hill, and 5.0 mi northeast of Boyce.	(#)	1960-86	10-30-85	81.20
07355475	Bayou Rapides near Alexandria, La. (station discontinued).	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on Parish Road 1202, 12.2 mi upstream from mouth, and 6.9 mi west of Alexandria city hall.	(#)	1963-86	10-30-85	79.55
07355490	Bayou Rapides at control structure, at Alexandria, La.	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft north of State Highway 496, and 3.1 mi west of Alexandria city hall.	(d)	1963-86	1986	<71.3
07364203	Bayou Bartholomew northwest of Jones, La.	Lat 32°58'55", long 91°42'00", e1,190 Morehouse Parish, on right bank, 3.2 mi northwest of Jones.		1973-85a, 1986b	11-08-85	*15.79
07364535	Ouachita River at Sterlington, La.	Lat 32°41'46", long 92°05'12", 12,953 Ouachita-Union Parish line, on bridge on State Highway 2 at Sterlington.		1979-85a, 1986b	12-26-85	65.16
07366270	Bayou D'Arbonne Lake west of Farmerville, La. (station discontinued).	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State Highway 2, and 3.1 mi west of Farmerville.	(d)	1979-86	4-12-86	81.39
07366365	Bayou D'Arbonne below dam, near Downsville, La.	Lat 32°42'46", long 92°20'26", 1,607 Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville.		1978-86	1986	<66.0
07367030	Black Bayou at West Monroe, La.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on down- stream side of bridge at Interstate 20-State Highway 34 exit, at West Monroe.	(#)	1978-86	4-12-86	*33.83
07367500	Cheniere Brake near Bawcom- ville, La. (station discontinued).	Lat 32°27'10", long 92°11'29", Ouachita Parish, on down- stream side of bridge on State Highway 3033, and 1.5 mi southwest of Bawcomville.	147	1944-45a, 1978-86	1986	<*38.0
07367502	Cheniere Creek south of Bawcomville, La. (station discontinued).	Lat 32°26'22", long 92°10'20", Ouachita Parish, on down- stream side of bridge on State Highway 34, and 1.5 mi south of Bawcomville.	(#)	1978-86	1986	<*33.6
07368040	Boeuf River southwest of Rayville, La.	Lat 32°25'40", long 91°49'05", Richland Parish, on left bank 5.0 mi southwest of Rayville.	(#)	1974-85a, 1986b	11- 3-85	*8.99
07368810	Bayou Gallon west of Oak Ridge, La. (station discontinued).	Lat 32°37'35", long 91°50'19", Morehouse Parish, on down- stream side of bridge on State Highway 134, and 3.7 mi west of Oak Ridge.	(#)	1979-86	10-30-85	*41.13

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
RED RIVER BASIN--Continued						
07369016	Youngs Bayou at Monroe, La.	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe.	(#)	1978-86	10-30-85	*38.10
07369024	Youngs Bayou near Monroe, La.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi southeast of Monroe.	(#)	1978-86	1986	(f)
07369050	Bayou Lafourche near Alto, La.	Lat 32°23'50", long 91°59'40", Ouachita-Richland Parish line at bridge on State Highway 15, and 8 mi west of Alto.	(#)	1973-85a, 1986b	11- 3-85	58.62
07369195	Turkey Creek near Baskin, La. (station discontinued).	Lat 32°14'50", long 91°40'45", Franklin Parish, at bridge on State Highway 577, and 3.7 mi east of Baskin.	(#)	1978-86	12-12-85	*43.61
07369205	Turkey Creek at State Highway 15, Winnsboro, La. (station discontinued).	Lat 32°09'15", long 91°42'42", Franklin Parish, at bridge on State Highway 15, at Winnsboro.	28.8	1975-80a, 1981-86	12-12-85	59.60
07369253	Turkey Creek at Jigger, La. (station discontinued).	Lat 32°02'05", long 91°44'06", Franklin Parish, at bridge on State Highway 128, and 0.7 mi east of Jigger.	62.0	1975-86	1985 1986	<*35.8 <*35.8
07369300	Deer Creek near Wisner, La. (station discontinued).	Lat 31°57'00", long 91°39'15", Franklin Parish, at bridge on State Highway 15, and 2.0 mi south of Wisner.	27.1	1978-86	5-25-86	*38.27
07369325	Rawson Creek near Harrisonburg, La. (station discontinued).	Lat 31°49'41", long 91°48'54", Catahoula Parish, at bridge on State Highway 124, and 4.2 mi north of Harrisonburg.	(#)	1978-86	12-13-85	34.95
07369365	Bushley Bayou near Harrisonburg, La. (station discontinued).	Lat 31°44'36", long 91°49'41", Catahoula Parish, at bridge on State Highway 124, and 2.1 mi south of Harrisonburg.	(#)	1978-80a, 1981-86	1986	<50.1
07369455	Brushy Bayou at Tallulah, La.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah.	(#)	1975-80a, 1981-86	12-12-85	73.19
07369457	Lower Roundaway Bayou tributary near Tallulah, La.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi south of Tallulah.	(#)	1975-80a, 1981-86	5-26-86	70.85
07369460	Roundaway Bayou near Tallulah, La.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, and 1.5 mi southwest of Tallulah.	28	1954-59c, 1978-86	5-26-86	70.72
07369468	Panola Bayou at Tallulah, La.	Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi northeast of Tallulah.	(#)	1978-80a, 1981-86	5-26-86	73.68
07369515	Tensas River southeast of Tendal, La.	Lat 32°23'17", long 91°20'05", Madison Parish, on right bank 3.5 mi southeast of Tendal.	(#)	1975-85a, 1986b	10-31-85	*17.16

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
RED RIVER BASIN--Continued						
07372190	Little River at Rochelle, La.	Lat 31°47'35", long 92°21'42", Grant - La Salle Parish line, at bridge on U.S. Highway 165, at Rochelle.	1,892	1938-46g, 1948-57g, 1958-73b, 1974-85a, 1986b	11- 4-85	35.70
073732823	Bayou Cocodrie at Ferriday, La. (station discontinued).	Lat 31°37'33", long 91°34'37", Concordia Parish, at culvert on U.S. Highway 84, and 1.5 mi southwest of Ferriday Post Office.	(d)	1978-86	1986	<*21.6
073732832	Black River Lake at Monterey, La. (station discontinued).	Lat 31°26'39", long 91°43'10", Concordia Parish, on left bank 0.1 mi west of State Highway 129, 0.7 mi south of Monterey, and 1.1 mi south of Monterey High School.	(#)	1978-86	10-30-85	*19.83
BAYOU BATON ROUGE BASIN						
07373980	Baker Canal near Baker, La.	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 mi southwest of Baker.	(#)	1963-70, 1971-86b	10-28-85	49.94
MONTE SANO BAYOU BASIN						
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, La.	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi north of Baton Rouge Post Office.	(#)	1975-86	2- 5-86 5-29-86	54.66 55.92
07373996	Monte Sano Bayou at Baton Rouge, La.	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge.	(#)	1975-86	2- 5-86 5-29-86	37.87 37.85
MISSISSIPPI RIVER DELTA						
07377215	Little Sandy Creek near Milldale, La.	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale.	(#)	1975-86	10-30-85	110.55
07377240	Little Sandy Creek near Greenwell Springs, La.	Lat 30°37'36", long 90°59'20", East Baton Rouge Parish, at bridge on State Highway 409, 3.4 mi north of the village of Greenwell Springs, La.	28.2	1974-85a, 1986	10-30-85	64.09
07377250	Sandy Creek near Greenwell Springs, La.	Lat 30°36'08", long 90°59'37", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La.	(#)	1982-86b	10-31-85	*20.39
07377400	Comite River near Clinton, La. (station discontinued).	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, and 1.3 mi west of Clinton.	h112	1949-65c, 1969-86	10-30-85	178.62
07377780	White Bayou at State Highway 64, near Zachary, La.	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mi east of Zachary.	(#)	1962-75, 1977-86	10-28-85	87.31

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--Continued						
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi northeast of Baton Rouge Post Office.	(#)	1962-86	1986	<68.4
07377890	Cypress Bayou at Baker, La.	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi east of State Highway 19 at Baker.	(#)	1967-69, 1971-86	1986	<68.1
07377900	Cypress Bayou at Plank Road, near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi northeast of Baton Rouge Post Office.	(#)	1962-65, 1967-86	10-28-85	49.17
07377920	Cypress Bayou at Hooper Road, near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office.	(#)	1962-86	10-28-85	45.12
07377933	Blackwater Bayou near Fred, La.	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, 3.8 mi northeast of Baton Rouge Post Office.	(#)	1975-86	10-28-85	*12.27
07377940	Blackwater Bayou near Baton Rouge, La.	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi northeast of Baton Rouge Post Office.	14.1	1962-86	10-28-85	48.18
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 mi northeast of Baton Rouge Post Office.	(#)	1967-86	1986	<42.9
07378010	Hurricane Creek near Baton Rouge, La.	Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi northeast of Baton Rouge Post Office.	(#)	1962-86	10-28-85	40.88
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleaf Ave., 5.3 mi northeast of Baton Rouge Post Office.	(#)	1967, 1969-86	1986	<47.3
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi northeast of Baton Rouge Post Office.	(#)	1962-86	10-28-85	41.60
07378075	Beaver Bayou at Denham Road, near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office.	(#)	1972-86	10-28-85	68.97
07378091	Beaver Bayou trib- utary at Hooper Road, near Baton Rouge, La.	Lat 30°33'24", long 91°01'52", East Baton Rouge Parish, at culvert, 12 mi northeast of Baton Rouge Post Office.	(#)	1983-86	10-28-85	59.44
07378100	Beaver Bayou at Wax Road, near Baton Rouge, La.	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi northeast of Baton Rouge Post Office.	9.49	1972-86	1986	(f)

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--Continued						
07378595	Jones Creek at Airline Highway, at Baton Rouge, La.	Lat 30°27'52", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 mi northeast of Baton Rouge Post Office.	(#)	1967-86	2- 4-86	45.87
07378600	Jones Creek at Florida Boule- vard, at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 mi east of Baton Rouge Post Office.	(#)	1962-86	2- 4-86	42.69
07378635	Lively Bayou northeast of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi east of Baton Rouge Post Office.	(#)	1967-86	2- 4-86 6-20-86	39.12 39.12
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi east of Baton Rouge Post Office.	(#)	1967-86	2- 4-86 6-20-86	36.43 37.80
07378645	Lively Bayou southeast of Baton Rouge, La.	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 mi southeast of Baton Rouge Post Office.	(#)	1967-86	2- 4-86 6-20-86	36.10 35.63
07378650	Jones Creek at Old Hammond Highway, near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office.	(#)	1962-86	2- 4-86	34.77
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge, on Stanley Aubin Drive, 7.3 mi southeast of Baton Rouge Post Office.	(#)	1967-86	2- 4-86	42.18
07378700	Jones Creek near Woodlawn School, near Baton Rouge, La.	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road, 1.6 mi north of Woodlawn School, and 10.5 mi east of Baton Rouge Post Office.	19.5	1967-86	2- 4-86	25.11
07378720	Clay Cut Bayou at Slegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi southeast of Baton Rouge Post Office.	(#)	1967-86	1986	(f)
07378725	Clay Cut Bayou near Hope Villa, La.	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi northeast of Hope Villa.	(#)	1967-86	10-28-85	19.11
07378780	Bayou Fountain at Ben Hur Road, at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi southeast of Baton Rouge Post Office.	(#)	1962-86	1986	<17.3
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi southeast of Baton Rouge Post Office.	(#)	1962-66, 1969-86	10-28-85 2- 5-86	14.66 15.08
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi southeast of Baton Rouge Post Office.	(#)	1967-86	10-28-85 2- 5-86	10.79 10.49

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--Continued						
07379000	Ward Creek at Government Street, at Baton Rouge, La.	Lat 30°20'20", long 91°08'35", East Baton Rouge Parish, on downstream end of culvert on Government Street, and 2.4 mi east of Baton Rouge Post Office.	4.04	1954-67a, 1969-73b, 1975-86b	2- 4-86	37.49
07379010	Ward Creek at College Drive, at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi southeast of Baton Rouge Post Office.	(#)	1970-86	2- 4-86	35.07
07379050	Ward Creek at Essen Lane, near Baton Rouge, La.	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi southeast of Baton Rouge Post Office.	(#)	1963-70, 1975-86	2- 4-86	26.47
07379090	North Branch Ward Creek at Goodwood Boulevard, at Baton Rouge, La.	Lat 30°26'34", long 91°05'27", East Baton Rouge Parish, at bridge 5.5 mi southeast of Baton Rouge Post Office.	(#)	1968-86	2- 4-86	38.36
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Office.	(#)	1962-86	1986	(d)
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi southeast of Baton Rouge Post Office.	(#)	1962-86	1986	(d)
07379502	Corporation Canal at Oklahoma Street, at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mi south of Baton Rouge Post Office.	.56	1971-86b	2- 4-86 6-29-86	22.28 23.59
07379503	Corporation Canal at East Roosevelt Street, at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 mi southeast of Baton Rouge Post Office.	61.31	1971-86	8- 2-83 11-19-83 10-22-84 9- 8-85 2- 4-86 6-29-86	23.59 21.57 22.45 20.95 20.48 21.67
07379508	Corporation Canal at Stanford Avenue at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 mi southeast of Baton Rouge Post Office.	2.43	1971-86	2- 4-86 6-29-86	18.54 16.75
07379550	Bayou Duplantier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi south of Baton Rouge Post Office.	(#)	1962-70, 1971-86b	2- 4-86	19.12
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 mi southeast of Baton Rouge Post Office.	(#)	1962-86	1986	<19.9
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi downstream from Dawson Creek, and 8.5 mi southeast of Baton Rouge Post Office.	40.0	1947-53a, 1955-68c, 1972-86b	2- 4-86	17.89
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi northeast of Gonzales water tower.	(#)	1963-86	10-28-85	8.48

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation In ft (NGVD)
MISSISSIPPI RIVER DELTA--Continued						
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi west of Gonzales water tower.	(#)	1963-86	10-28-85	7.25
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi southwest of Gonzales water tower.	(#)	1963-86	1986	<7.4
07381002	Bayou Lafourche below weir at Thibodaux, La.	Lat 29°41'56", long 90°04'11", Lafourche Parish, on Canal Street, 1200 ft below State Highway 20 at Thibodaux and approximately 200 ft below weir.	(#)	1986b	10-28-85	7.30
07382256	Bayou Rapides-Boeuf-Cocodrie diversion channel at Alexandria, La. (station discontinued).	Lat 30°17'43", long 92°29'38", Rapides Parish, at bridge on State Highway 28, and 3.2 mi west of Alexandria city hall.	(d)	1963-86	10-30-85 12-13-85	71.92 69.58
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, La. (station discontinued).	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge and 5.7 mi southwest of Alexandria city hall.	(d)	1963-86	10-30-85 12-13-85	70.00 67.03
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, La. (station discontinued).	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 mi southwest of Alexandria city hall.	(d)	1963-86	10-30-85	69.79
07382495	Bayou Courtableau near Washington, La.	Lat 30°38'53", long 92°03'40", St. Landry Parish, 0.3 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, 2.0 mi northwest of Washington, and 3.4 mi upstream from gaging station, Bayou Courtableau at Washington.	701	1946-75g, 1976-85a, 1986b	11- 5-85	k34.17
07382700	Bayou Carron at Washington, La. (station discontinued).	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10 at Washington.	82.6	1973-86	10-28-85	*51.29
07382840	Hynson Bayou at Bringham Park, at Alexandria, La. (station discontinued).	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, and 1.7 mi south of Alexandria city hall.	(#)	1963-86	10-30-85 6-30-86	75.90 <75.3
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, La. (station discontinued).	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi south of Alexandria city hall.	(#)	1960-86	6-30-86	69.29

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--Continued						
07382855	Hynson Bayou at Hudson St., at Alexandria, La. (station discontinued).	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi southeast of Alexandria, city hall.	(#)	1963-86	10-30-85 6-30-86	69.02 69.25
07382865	Persimmon Bayou near Alexandria, La. (station discontinued).	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi south-east of Alexandria city hall.	(#)	1963-86	10-30-85	67.19
07383510	Bayou des Glaisses diversion channel near Moreauville, La.	Lat 30°59'59", long 91°58'57", Avoyelles Parish, at bridge on unnumbered parish road, and 2.5 mi south of Moreauville.	284	1972-85a, 1986b	10-30-85	*20.46
07385470	Bayou Teche at Robin, La.	Lat 30°26'48", long 91°55'22", St. Landry Parish, near center of span on downstream side of bridge between State Highways 31 and 740 at Robin, and 3.7 mi upstream from gaging station, Bayou Teche at Arnaudville.	(#)	1947-85a, 1986b	10-30-85	22.88
07385702	Bayou Teche below Keystone Lock and Dam near St. Martinville, La.	Lat 30°04'14", long 91°49'44", St. Martin Parish, on downstream side of Keystone Lock and Dam 3.5 mi south of St. Martinville and 11 mi upstream from Loreauville Canal.	(#)	1985-85a, 1986b	10-29-85	111.73
07386201	Bayou Fusilier below weir near Arnaudville, La.	Lat 30°23'57", long 91°56'43", St. Landry Parish, on right bank 150 ft downstream of weir and 200 ft downstream of base gage (07386200), one mi west of Arnaudville and one mi downstream from point of diversion from Bayou Teche.	(#)	1986b	5-28-86	13.92
07386705	Ruth Canal at Ruth, La.	Lat 30°14'34", long 91°53'05", St. Martin Parish, on right bank, 150 ft downstream from control structure, 0.5 mi northwest of Ruth, 0.6 mi downstream from point of diversion from Bayou Teche, and 2.5 mi south of town of Breaux Bridge.	(#)	1959-85a, 1986b	11- 2-85	12.72
MERMENTAU RIVER BASIN						
08011000	Bayou Plaquemine Brule near Crowley, La. (station discontinued).	Lat 30°14'09", long 92°23'44", Acadia Parish, at bridge on State Highway 100, and 1.8 mi northwest of Crowley.	254	1943-47a, 1965-74c, 1975-79a, 1980-86	10-28-85	*17.00
08012431	East Bayou Lacassine at Welsh, La. (station discontinued).	Lat 30°13'50", long 92°49'15", Jefferson Davis Parish, at bridge on unnumbered parish road, 0.6 mi south of Welsh.	(#)	1979-86	10-28-85	*19.68

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1986--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MERMENTAU RIVER BASIN--Continued						
08012436	Bayou Grand Marais near Jennings, La. (station discontinued).	Lat 30°13'53", long 92°41'25", Jefferson Davis Parish, at bridge on U.S. Highway 90, and 2.0 mi west of Jennings.	(#)	1979-86	10-28-85	*18.35
08012445	Bayou Chene near Welsh, La. (station discontinued).	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on unnumbered parish road, 6.0 mi southeast of Welsh.	106	1969-86	10-28-85	*21.75

Drainage area not determined.

* Gage datum, NGVD of gage not determined.

< Less than amount shown.

a Operated as a continuous-record gaging station.

b Operated as a continuous-record gaging station, daily records unpublished.

c Operated as a partial-record station.

d Drainage area indeterminate.

e Approximately.

f Missing record.

g Operated as a continuous-record gaging station by the Corps of Engineers.

h Including Pretty Creek.

j Corrected, figure previously published found in error.

k Mean low Gulf or 0.78 ft below NGVD.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1986

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN						
Bogue Lusa Creek	Pearl River	Lat 30°46'56", long 89°52'24", Washington Parish, on downstream side of bridge on State Highway 439, at Bogalusa, 0.5 mi upstream from Ice Water Branch, 0.9 mi downstream from Adams Creek, and 4.0 mi upstream from mouth.	72.9	1963-85	10- 8-85	41.5
					12- 4-85	61.8
					1-13-86	103
					2-10-86	95.2
					3-11-86	55.5
					4-14-86	101
					5-12-86	33.4
					6- 9-86	31.5
					7-11-86	19.2
					8-11-86	83.3
					9-11-86	20.4
RED RIVER BASIN						
Bayou Bonne Idee	Boeuf River	Lat 32°40'00", long 91°41'59", Morehouse Parish, at bridge on unmarked parish road, 5.8 mi northeast of Oak Ridge.	(#)	1984-85	10-15-85	0
					11-18-85	0
					12- 9-85	7.5
					1-13-86	0
					2-18-86	34.4
					3-10-86	3.8
					4-14-86	0
					5-12-86	0
					6-12-86	355
					7-14-86	0
					8-11-86	0
9- 9-86	0					
Pine Creek	Big Creek	Lat 32°15'30", long 91°44'57", Franklin Parish, at bridge on State Highway 15, at Baskin.	(#)	1984-85	10-15-85	172
					11-18-85	14.2
					12- 9-85	13.2
					1-13-86	0
					2-18-86	5.4
					3-10-86	2.1
					4-14-86	332
					5-12-86	2.4
					6-12-86	112
					7-14-86	1.5
					8-11-86	2.2
9- 9-86	22.8					
Bayou Gallon	Bayou Lafourche	Lat 32°50'40", long 91°43'08", Morehouse Parish, at bridge on Parish Road 6002, at Gallon, La. Station is located at confluence with Bayou Bonn Idee.	(#)	1983-85	10-15-85	0
					11-18-85	0
					12- 9-85	0
					1-13-86	0
					2- 2-86	0
					3-10-86	0
					4-14-86	0
					5-12-86	0
					6-12-86	178
					7-14-86	8.7
					8-11-86	1.1
9- 9-86	0					
MISSISSIPPI RIVER DELTA						
Beaver Bayou	Comite River	Lat 30°33'39", long 91°01'15", East Baton Rouge Parish at box culvert on State Highway 408, and 8.6 mi northeast of Baton Rouge Post Office.	(#)	—	10-28-85	553

Drainage area not determined.

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
03...	0945	10800	103	3000	100
31...	1330	156000	1320	556000	84
NOV					
21...	1300	146000	728	287000	66
28...	1430	147000	1030	409000	70
JAN					
16...	1315	95000	693	178000	86
FEB					
06...	1315	82900	420	94000	86
13...	1115	140000	3220	1220000	48
27...	1045	162000	1100	481000	91
MAR					
13...	1115	127000	599	205000	98
27...	1330	138000	1300	484000	95
APR					
10...	1030	159000	759	326000	87
MAY					
01...	1330	138000	1880	700000	89
08...	1015	148000	1380	551000	94
22...	1045	99300	576	154000	89
JUN					
05...	1015	40500	422	46100	100
19...	1015	70000	1250	236000	98
JUL					
10...	1015	29700	183	14700	98
24...	1015	21000	177	10000	97
AUG					
07...	1115	10300	126	3500	100
21...	1000	27100	338	24700	78
SEP					
18...	0945	17900	124	5990	96

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07354100 KISATCHIE BAYOU AT LOTUS, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 29...	1600	3860	304	3170	55

MISSISSIPPI RIVER DELTA

07381800 SPRING CREEK NEAR GLENMORA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 29...	1500	3280	33	292	73

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY

The following water-quality sites were sampled as part of an ongoing basic-data study on the Barataria Unit of the Jean Lafitte National Historical Park, in cooperation with the National Park Service.

294702090064300 BAYOU DES FAMILLES AT CHRISTMAS ROAD (SITE 7), NEAR CROWN POINT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 23...	1200	696	7.30	25.0	50	1.0	0.9	1.5	K14	K85
DEC 17...	1350	919	7.30	9.0	70	15	5.6	2.7	44	K16
FEB 06...	1235	969	7.60	21.0	50	5.0	3.9	—	560	260

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT 23...	160	36	16	75	4.4	105	61	110	0.4	6.0	408	370
DEC 17...	—	—	—	—	—	109	—	—	—	—	—	—
FEB 06...	190	44	20	120	5.0	109	19	230	0.2	5.5	530	510

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 23...	0.05	0.07	0.69	0.33
DEC 17...	0.02	0.08	1.1	0.29
FEB 06...	0.08	0.16	1.1	0.45

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

295202090093200 BAYOU SEGNETTE (SITE 4) 2.9 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 23...	10:00	1240	7.7	26.5	30	5.0	3.5	4.9	240
DEC 17...	10:25	1400	6.9	11.0	40	15	6.9	2.5	300
FEB 06...	10:35	1080	7.4	20.5	30	25	4.9	—	4700

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 23...	180	200	48	20	160	7.1	132	70	260
DEC 17...	K20	—	—	—	—	—	132	—	—
FEB 06...	1500	270	70	24	120	5.0	114	180	160

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 23...	0.3	8.3	679	650	0.33	1.1	2.2	1.1
DEC 17...	—	—	—	—	0.86	0.86	2.2	0.57
FEB 06...	0.2	10	655	640	0.54	0.35	1.3	0.62

K Results based on colony count outside the acceptable range (non-ideal count).

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

295040090091600 MILLAUDON CANAL (SITE 5) NEAR WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 23...	1010	1260	7.8	25.5	40	4.0	1.6	3.7	K70
DEC 17...	1050	926	7.3	10.0	80	7.0	3.3	3.8	K75
FEB 06...	1045	493	7.4	20.0	60	20	4.0	—	K800

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 23...	110	220	50	23	150	8.0	142	58	250
DEC 17...	K40	—	—	—	—	—	167	—	—
FEB 06...	1600	130	35	11	47	4.9	104	40	67

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 23...	0.4	10	694	640	0.09	2.7	3.8	1.8
DEC 17...	—	—	—	—	0.39	4.0	5.7	1.7
FEB 06...	0.2	9.2	295	280	0.95	1.4	2.4	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

295000090090500 UNNAMED CANAL 0.7 MILES SOUTH OF MILLAUDON CANAL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB				
21...	1000	1290	20.0	260
MAR				
13...	1320	1550	24.5	380
27...	1135	1520	23.5	390
APR				
10...	1215	1690	23.5	300
20...	1225	1980	23.5	600
MAY				
05...	1355	3810	29.0	890
18...	1145	3400	29.0	760
JUN				
02...	1315	4940	32.0	1200
15...	1300	3230	30.0	860
22...	1200	3260	32.0	820
JUL				
13...	0900	5290	32.0	1200
20...	1000	3220	32.0	800
AUG				
03...	1135	3690	33.0	920
17...	1000	1920	29.5	420
SEP				
07...	1040	5570	28.5	1400

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

295153090095500 BAYOU SEGNETTE 3.1 MILES SOUTH OF WESTWEGO, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB				
21...	0938	1250	19.5	200
MAR				
13...	1330	1310	24.0	250
27...	1145	1290	23.5	250
APR				
10...	1200	1560	24.0	320
20...	1235	1640	24.5	330
MAY				
05...	1400	1840	29.5	500
18...	1345	2490	29.5	600
JUN				
02...	1305	2690	32.0	610
15...	1310	1620	30.5	340
22...	1145	1490	32.0	300
JUL				
13...	0845	2980	32.0	740
20...	0945	3320	33.5	800
AUG				
03...	1200	4250	33.0	1100
17...	1040	1730	30.5	370
SEP				
07...	1020	2720	—	660

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued

294957090095300 BAYOU SEGNETTE (SITE 1) 4.6 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, 0.7 UM-MF (COLS./100 ML)
OCT 23...	1015	3070	7.9	26.5	20	4.0	7.7	3.3	64
DEC 17...	1110	2640	6.6	10.0	50	5.0	10.0	1.9	180
FEB 06...	1115	1480	7.7	21.5	30	15	8.3	—	220

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 23...	160	320	42	52	480	16	98	100	910
DEC 17...	K34	—	—	—	—	—	91	—	—
FEB 06...	640	200	36	27	210	8.8	82	61	380

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 23...	0.3	1.8	1730	1700	0.01	0.03	0.87	0.34
DEC 17...	—	—	—	—	0.28	0.58	1.7	0.40
FEB 06...	0.2	5.0	807	780	0.52	0.34	1.3	0.28

K Results based on colony count outside the acceptable range (non-ideal count).

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294824090093600 BAYOU SEGNETTE 5.2 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB				
21...	1012	1390	20.0	300
MAR				
13...	1340	1610	23.5	400
27...	1200	1700	23.5	460
APR				
10...	1300	1740	24.0	440
20...	1245	2280	23.5	640
MAY				
05...	1410	4110	29.5	960
JUN				
02...	1300	5560	33.5	1400
15...	1400	3010	30.5	700
22...	1050	6350	31.0	1500
JUL				
13...	0820	6100	32.0	1500
20...	0940	5550	33.5	1300
AUG				
03...	1225	6760	33.0	1700
17...	1200	6130	30.5	1400
SEP				
07...	1010	8310	29.5	2100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294844090073900 KENTA CANAL (SITE 2) NORTHWEST OF CROWN POINT, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 23...	1050	3030	7.3	26.0	30	4.0	2.9	3.0	K22
FEB 06...	1100	1450	7.5	22.0	50	15	7.4	—	270

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 23...	100	320	41	52	490	16	110	99	910
FEB 06...	800	190	33	26	210	8.5	88	55	370

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 23...	0.3	3.0	1650	1700	0.05	0.13	1.0	0.28
FEB 06...	0.2	4.3	790	760	0.35	0.42	2.3	0.23

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB 21...	1220	1750	20.0	520
MAR 13...	1300	1510	25.5	390
MAR 27...	1025	2260	22.0	640
APR 10...	1115	2410	22.0	680
APR 20...	1155	1930	24.5	560
MAY 05...	1340	2640	29.0	720
MAY 18...	1115	3170	28.0	810
JUN 02...	1330	3710	34.5	1000
JUN 15...	1145	3300	29.0	920
JUN 22...	1205	3670	30.5	1000
JUL 13...	0930	5460	32.0	1600
AUG 03...	1052	4630	32.0	1300
AUG 17...	0915	2470	29.5	670
SEP 07...	1330	4260	28.0	1200

K Results based on colony count outside the acceptable range (non-ideal count).

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294551090061500 KENTA CANAL (SITE 6) WEST OF CROWN POINT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 23...	1210	1090	8.00	27.5	20	25	7.3	2.2	520	900
DEC 17...	1400	2730	7.40	11.0	70	20	6.6	1.6	680	220
FEB 06...	1245	1120	7.50	21.0	40	20	8.3	—	620	8700

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
OCT 23...	210	45	23	120	6.4	111	98	210	0.5	0.1	651	570
DEC 17...	—	—	—	—	—	128	—	—	—	—	—	—
FEB 06...	230	49	25	130	5.6	109	53	260	0.2	7.3	608	600

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 23...	0.90	0.10	0.82	0.18
DEC 17...	0.21	0.35	1.6	0.21
FEB 06...	0.74	0.30	1.2	0.37

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB 21...	1245	2540	20.0	710
MAR 13...	1200	2830	23.5	780
27...	0835	1730	20.0	440
APR 10...	1050	2990	22.0	850
20...	1130	1760	25.0	430
MAY 05...	1320	2960	29.0	760
18...	0745	14700	28.0	4600
JUN 02...	1430	6250	31.0	1800
15...	1020	2410	30.5	600
22...	0945	763	31.5	150
JUL 13...	1325	3580	32.0	920
20...	0850	1790	32.0	400
AUG 03...	1015	646	33.5	72
17...	0800	2900	29.5	760
SEP 07...	0750	915	31.0	170

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294540090060700 KENTA CANAL AT BAYOU BARATARIA NEAR CROWN POINT, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT				
02...	1220	780	23.5	120
09...	1300	610	25.5	82
17...	1500	572	28.0	52
23...	1130	1130	26.5	220
NOV				
06...	1120	1930	20.0	520
13...	1145	5430	24.0	1700
20...	1435	4300	24.5	1200
27...	1420	2300	24.5	1700
DEC				
04...	0810	841	18.0	150
11...	1310	715	19.0	100
26...	1135	532	12.0	66
JAN				
02...	0820	484	13.5	52
08...	1015	526	12.0	62
22...	1100	726	15.5	110
29...	0806	1070	11.0	210

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294539090084500 BAYOU SEGNETTE (SITE 3) NEAR BARATARIA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 23...	1030	3400	7.8	27.0	20	7.0	6.4	2.1	K4
DEC 17...	1125	2800	7.0	10.5	30	20	10.2	0.2	42
FEB 06...	1125	1550	7.7	22.0	40	15	10.6	—	150

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 23...	200	350	41	59	520	18	97	120	1000
DEC 17...	K18	—	—	—	—	—	60	—	—
FEB 06...	520	180	29	27	220	9.1	72	55	400

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 23...	0.2	2.2	1900	1800	0.01	0.02	0.62	0.15
DEC 17...	—	—	—	—	0.20	0.10	1.0	0.16
FEB 06...	0.2	3.2	833	790	0.24	0.05	0.9	0.15

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294539090084500 BAYOU SEGNETTE (SITE 3) NEAR BARATARIA, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT				
02...	1300	3590	21.0	1100
09...	1350	3960	26.0	1200
17...	1515	2170	29.0	580
17...	1535	5180	28.5	1600
23...	1115	3470	26.5	1000
NOV				
13...	1235	3950	24.5	1200
20...	1515	4340	23.5	1300
27...	1520	3840	23.5	1100
DEC				
04...	0925	3900	15.0	1100
11...	1400	3670	19.0	1100
26...	1200	2440	12.0	700
JAN				
02...	0915	1840	14.5	520
08...	1200	1310	13.5	380
22...	1200	1720	19.0	490
29...	1115	1500	13.5	440
FEB				
06...	1125	1560	22.0	400
21...	1035	1920	20.0	540
MAR				
13...	1215	1790	24.0	540
27...	0855	1940	21.0	470
APR				
10...	1115	3060	22.0	860
20...	1147	2390	25.0	630
MAY				
05...	1334	5760	28.0	1600
18...	0700	6030	31.5	1600
JUN				
02...	1345	5150	33.5	1400
15...	1040	4400	31.0	1200
22...	1220	5810	31.5	1600
JUL				
13...	0800	6700	32.0	1900
AUG				
17...	1520	5730	33.5	1600
SEP				
07...	1340	7510	29.0	2100

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294427090083100 BAYOU VILLARS AT BAYOU SEGNETTE WATERWAY NEAR BARATARIA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT				
02...	1235	4640	22.0	1400
05...	1310	4510	23.5	1400
07...	0945	4070	21.0	1200
09...	1320	2970	26.0	850
12...	0935	4020	25.0	1400
14...	1600	4740	28.5	1200
17...	1525	1000	28.5	200
19...	1545	5880	28.0	1800
21...	1535	4600	27.0	1300
23...	1150	4640	26.5	1400
NOV				
02...	1445	4680	20.0	1400
04...	0830	7890	16.5	2500
06...	1135	3550	18.0	1000
11...	1405	3160	21.0	890
13...	1140	5930	23.5	1800
18...	1605	5190	—	1600
20...	1450	5720	24.5	1800
23...	1005	5710	20.0	1800
26...	0805	5110	22.0	1600
27...	1435	5190	24.5	1600
DEC				
01...	1111	3920	22.0	1100
04...	0835	3760	15.5	1100
07...	1620	3610	15.0	1100
09...	0805	3450	—	1000
11...	1330	4150	19.0	1200
17...	1515	2330	—	660
18...	—	2300	10.5	660
22...	1200	2430	—	680
24...	1045	1990	14.5	520
27...	1150	2500	12.0	740
29...	1319	2410	14.0	680
JAN				
02...	0920	1890	14.5	500
06...	1410	1900	—	540
08...	1110	1330	12.0	350
12...	1145	1400	12.0	390
15...	1025	1180	11.0	310
18...	1330	1150	18.0	300
22...	1205	1510	19.0	440
27...	1300	1330	12.0	350
29...	0827	1600	10.0	420
FEB				
21...	0853	1760	20.0	470
MAR				
13...	1210	2360	24.5	650
27...	0850	1760	21.0	470
APR				
10...	1100	3200	23.0	890
20...	1145	7780	25.0	2400
MAY				
05...	1330	11600	28.5	3500
18...	0800	5240	26.5	1500
JUN				
02...	1415	10000	31.5	3000
15...	1030	3940	32.0	1100
23...	1000	6550	31.5	1900
JUL				
13...	0755	7260	32.0	2000
20...	0900	6140	33.5	1800
AUG				
03...	1030	6640	32.0	1900
17...	1522	7160	33.5	2100
SEP				
07...	0800	7000	29.5	2000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294451090081300 INTRACOASTAL WATERWAY AT BAYOU BARATARIA NEAR BARATARIA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT				
02...	1230	2340	23.5	630
05...	1300	2730	23.5	740
07...	0940	3360	21.0	940
09...	1310	1730	25.5	420
12...	0930	3830	24.5	1100
14...	1610	3740	27.0	1100
17...	1505	542	28.0	53
19...	1500	4250	28.5	1200
21...	1530	2810	28.0	740
23...	1140	4730	26.5	1400
NOV				
02...	1400	3720	20.0	1100
04...	0825	7360	18.0	2300
06...	1130	5370	18.0	1600
11...	1400	6360	21.0	2000
13...	1135	6200	23.5	2000
18...	1600	5700	—	1800
20...	1440	5720	24.5	1800
26...	0800	5200	22.0	1600
27...	1000	5860	19.0	1800
27...	1425	4060	24.5	1200
DEC				
01...	1115	3810	22.0	1100
04...	0820	3380	18.0	970
07...	1615	2770	15.5	800
09...	0800	1820	—	470
11...	1315	1450	18.5	340
17...	1516	1100	—	240
18...	—	2100	11.5	580
22...	1200	935	—	200
24...	1040	704	14.5	110
26...	1140	1040	12.0	230
29...	1315	894	13.0	180
JAN				
02...	0830	1330	13.5	360
06...	1400	525	—	74
08...	1020	1390	12.0	360
12...	1140	778	12.0	150
15...	1015	753	10.0	120
18...	1400	921	14.0	180
22...	1115	853	15.5	150
27...	1235	1050	13.0	240
29...	0819	1280	10.5	340

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294108090112600 BAYOU PEROT AT INTRACOASTAL WATERWAY NEAR BARATARIA, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT				
02...	1245	3850	21.5	1100
05...	1330	4200	22.0	1300
07...	0950	4120	21.0	1200
09...	1330	4370	25.5	1300
12...	0945	4240	25.0	1300
14...	1530	4870	28.0	1500
19...	1520	7800	28.0	2500
21...	1550	6480	26.5	2000
23...	1200	7850	26.5	2500
NOV				
02...	1430	9960	15.5	3200
04...	0850	9820	17.0	3200
06...	1155	6820	18.0	2100
11...	1430	4080	21.0	1300
13...	1210	4420	24.0	1400
18...	1615	4580	—	1400
20...	1500	4430	24.5	1300
23...	1030	3950	20.0	1200
26...	0825	4120	22.0	1200
27...	1445	3790	23.5	1200
DEC				
01...	1100	3410	22.0	1000
04...	0845	1560	22.0	440
07...	1640	1600	15.5	420
09...	0830	2480	—	700
11...	1355	2420	19.0	700
17...	1500	1860	—	530
22...	1200	1630	—	430
24...	1115	1200	14.0	330
26...	1215	1160	10.0	300
29...	1331	1320	13.5	340
JAN				
02...	0850	1140	13.5	280
06...	1435	668	—	150
08...	1045	1320	12.0	340
12...	1157	815	11.0	200
15...	1040	824	10.0	190
18...	1345	894	17.0	210
22...	1130	811	18.0	190
27...	1250	819	12.0	200
29...	0852	897	9.5	220

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294747090101600 BAYOU BARDEAUX AT LAKE SALVADOR
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
FEB				
21...	1020	896	19.5	190
MAR				
13...	1345	1410	23.5	370
27...	1205	1790	23.5	430
APR				
10...	1320	1760	24.0	460
20...	1250	2680	23.5	730
MAY				
05...	1415	4450	26.5	1100
18...	1450	7060	28.0	1900
JUN				
02...	1250	10500	31.5	3000
15...	1410	5810	31.0	1600
22...	1245	7330	31.0	2000
JUL				
13...	0825	7380	32.0	2000
20...	0930	6810	32.0	1800
AUG				
03...	1216	6790	31.5	1900
17...	1210	6850	30.0	1900
SEP				
07...	0950	7100	29.5	2000

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294245090064200 BAYOU BARATARIA WATERWAY AT LAFITTE-BARATARIA BRIDGE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT				
02...	1235	3840	23.0	1100
09...	1315	3730	26.0	1100
17...	1510	5900	28.0	1800
23...	1045	6810	27.0	2100
NOV				
06...	1140	5950	18.0	1900
13...	1200	6200	24.0	1900
20...	1445	5610	24.5	1700
27...	1430	5610	24.5	1800
DEC				
04...	0830	3930	15.5	1200
11...	1325	4110	19.0	1200
26...	1145	2260	12.0	630
JAN				
02...	0835	1930	13.5	520
08...	1025	1460	12.0	390
22...	1120	1100	15.5	280
29...	1425	1470	11.0	400

GROUND-WATER LEVELS

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN., DEPTH 202 FT, SCREENED 192-202. MP TOP OF 6-IN. CASING, 1.15 FT ABOVE LSD.
 LSD 25.8 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965,
 LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	63.95H	MAR. 5, 1986	57.50	JUNE 30, 1986	71.35	AUG. 20, 1986	67.52
OCT. 5	64.11	MAR. 10	57.88	JULY 3	70.40H	AUG. 25	68.03
DEC. 5	61.59	MAR. 15	57.89	JULY 5	69.92	AUG. 28	68.00H
DEC. 23	59.95H	APR. 9	65.00H	JULY 10	68.89	AUG. 31	68.30
JAN. 20, 1986	58.53	MAY 30	69.90H	JULY 15	68.59	SEP. 5	68.28
FEB. 6	58.10H	MAY 31	69.61	JULY 20	69.99	SEP. 10	67.60
FEB. 14	57.70H	JUNE 5	69.14	AUG. 4	69.05H	SEP. 15	67.50
FEB. 15	57.58	JUNE 10	69.37	AUG. 5	69.18	SEP. 20	68.02
FEB. 20	57.30	JUNE 15	68.85	AUG. 10	70.01	SEP. 25	66.79
FEB. 25	57.45	JUNE 20	69.50	AUG. 15	68.45	SEP. 30	66.18
FEB. 28	57.30	JUNE 25	72.68				

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,
 LOWEST WATER LEVEL 62.45 BELOW LSD, AUG. 21, 1974.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	55.74	APR. 9, 1986	52.05	MAY 30, 1986	55.54	AUG. 4, 1986	56.70
FEB. 14, 1986	51.20						

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,
 LOWEST WATER LEVEL 64.00 BELOW LSD, FEB. 17, 1981.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	56.88	APR. 9, 1986	55.00	MAY 30, 1986	55.75	AUG. 4, 1986	56.35
FEB. 14, 1986	55.20						

AVOYELLES PARISH

311006092081501 LOCAL WELL NUMBER: AV-163

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 1 1/4 IN., DEPTH 300 FT, SCREENED 295-300. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 78 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 23.65 BELOW LSD, APR. 15, 1975,
 LOWEST WATER LEVEL 39.72 BELOW LSD, OCT. 13, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	33.71	MAR. 6, 1986	32.30	JULY 16, 1986	31.60	SEP. 8, 1986	33.41

See footnotes at end of table.

AVOUELLES PARISH

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 192 FT, SCREENED 182-192. MP TOP OF CASING, 3.13 FT ABOVE LSD. PRIOR TO AUG. 20, 1986, MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975,
 LOWEST WATER LEVEL 41.69 BELOW LSD, OCT. 3, 1966.
 RECORDS AVAILABLE 1966-79, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	36.90	MAR. 6, 1986	36.79	AUG. 20, 1986	37.23	SEP. 8, 1986	37.53

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 10 IN., DEPTH 370 FT, SCREENED 320-370. MP TOP OF BREATHER PIPE, 2.00 FT ABOVE LSD.
 LSD 76 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966,
 LOWEST WATER LEVEL 94.19 BELOW LSD, MAY 24, 1985.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	83.22A	MAR. 6, 1986	76.86A	JULY 16, 1986	77.86A	SEP. 8, 1986	77.02A

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 360 FT, SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.30 BELOW LSD, APR. 15, 1975,
 LOWEST WATER LEVEL 40.90 BELOW LSD, DEC. 10, 1981.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	40.04	JULY 16, 1986	38.46	AUG. 20, 1986	39.16	SEP. 8, 1986	39.51
MAR. 6, 1986	38.26						

BEAUREGARD PARISH

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN. GALV. PIPE, 2.40 FT ABOVE LSD.
 LSD 206 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.16 BELOW LSD, JUNE 26, 1975,
 LOWEST WATER LEVEL 37.47 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1985	36.80	MAR. 17, 1986	36.05				

See footnotes at end of table.

GROUND-WATER LEVELS

BIENVILLE PARISH

323240093032001 LOCAL WELL NUMBER: BI-2

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 490 FT, SCREENED 429-490. MP TOP OF 3/4-IN. NIPPLE ON PIPE, 3.50 FT ABOVE LSD. PRIOR TO APR. 30, 1986, MP TOP OF CASING, 3.80 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.68 BELOW LSD, MAR. 31, 1949,
 LOWEST WATER LEVEL 103.74 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	97.14C	JAN. 23, 1986	89.40	APR. 29, 1986	90.53	AUG. 8, 1986	91.68
DEC. 6	93.39	MAR. 6	92.76	JUNE 26	91.88	SEP. 18	98.97

323251092551901 LOCAL WELL NUMBER: BI-4

OWNER: LOUISIANA GAS SERVICE CO. (SEC. 18, T. 18N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN., DEPTH 585 FT, SCREENED 518-585. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 350 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 149.55 BELOW LSD, OCT. 9, 1940,
 LOWEST WATER LEVEL 228.75 BELOW LSD, JULY 1, 1977.
 RECORDS AVAILABLE 1940, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	188.69	JAN. 23, 1986	184.25	MAY 2, 1986	179.15	AUG. 6, 1986	187.00
DEC. 6	188.73	MAR. 6	179.63	JUNE 20	186.30		

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN CO. (SEC. 16, T. 15N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, 4.35 FT ABOVE LSD.
 LSD 215 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.43 BELOW LSD, AUG. 5, 1966,
 LOWEST WATER LEVEL 113.01 BELOW LSD, NOV. 3, 1983.
 RECORDS AVAILABLE 1966, 1971-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	101.78	JAN. 22, 1986	110.44	APR. 28, 1986	109.99	AUG. 6, 1986	109.72
DEC. 6	109.49	MAR. 6	111.28	JUNE 24	110.95	SEP. 29	108.64

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 2.85 FT ABOVE LSD.
 LSD 320 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970,
 LOWEST WATER LEVEL 228.33 BELOW LSD, AUG. 6, 1986.
 RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	224.63	JAN. 12, 1986	223.73	MAY 2, 1986	224.69	AUG. 6, 1986	228.33
DEC. 6	223.47	MAR. 6	224.07	JUNE 20	226.37		

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 0.20 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975,
 LOWEST WATER LEVEL 169.96 BELOW LSD, MAR. 6, 1986.
 RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1986	169.96						

See footnotes at end of table.

322343093211501 LOCAL WELL NUMBER: BI-214

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 159 FT, SCREENED 149-159. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 177 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 18.91 BELOW LSD, JULY 2, 1980,
 LOWEST WATER LEVEL 22.55 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1985	20.86	MAR. 20, 1986	19.80	JUNE 20, 1986	19.73	SEP. 15, 1986	20.41

321616093184201 LOCAL WELL NUMBER: BI-215

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 244 FT, SCREENED 234-244. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 270 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.14 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 50.44 BELOW LSD, SEP. 5, 1985.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1985	49.76	MAR. 5, 1986	49.40	JUNE 20, 1986	49.02	SEP. 15, 1986	49.67

322119092572301 LOCAL WELL NUMBER: BI-216

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 16N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 200 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.82 BELOW LSD, MAY 19, 1980,
 LOWEST WATER LEVEL 17.02 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	16.34	MAR. 6, 1986	15.99	JUNE 20, 1986	15.46		

321616093184202 LOCAL WELL NUMBER: BI-234

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 76 FT, SCREENED 73-76. MP TOP OF BUSHING, 2.90 FT ABOVE LSD.
 LSD 270 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 22.85 BELOW LSD, MAY 24, 1983,
 LOWEST WATER LEVEL 29.22 BELOW LSD, JAN. 18, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	28.73	JAN. 23, 1986	26.30	APR. 29, 1986	26.41	AUG. 8, 1986	27.02
DEC. 5	26.93	MAR. 5	26.07	JUNE 20	25.85	SEP. 15	28.04

321844093242601 LOCAL WELL NUMBER: BI-237

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 15N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 171 FT, SCREENED 161-171. MP TOP OF BUSHING, AT LSD. WELL DESTROYED BETWEEN APRIL AND JUNE 1986.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 85.36 BELOW LSD, SEP. 1, 1981,
 LOWEST WATER LEVEL 89.98 BELOW LSD, NOV. 15, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1985	86.86	JAN. 16, 1986	86.02	MAR. 20, 1986	86.02	APR. 29, 1986	85.62
NOV. 22	86.39						

GROUND-WATER LEVELS

BIENVILLE PARISH

322330093165201 LOCAL WELL NUMBER: BI-238

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 16N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARRIZO SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 167 FT, SCREENED 157-167. MP TOP OF BUSHING, AT LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 59.63 BELOW LSD, MAY 2, 1984,
 LOWEST WATER LEVEL 62.65 BELOW LSD, FEB. 3, 1983.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	61.78	JAN. 23, 1986	60.92	APR. 29, 1986	60.54	AUG. 8, 1986	61.23
DEC. 5	61.28	MAR. 5	60.58	JUNE 20	60.41	SEP. 15	61.79

BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: LOUISIANA STATE UNIVERSITY RED RIVER VALLEY EXPERIMENT STATION. (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 4 IN., DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BUSHING, 1.05 FT ABOVE LSD.
 LSD 155.42 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.59 BELOW LSD, JUNE 10, 1958,
 LOWEST WATER LEVEL 25.68 BELOW LSD, NOV. 27, 1978.
 RECORDS AVAILABLE 1955-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	17.84	MAR. 13, 1986	17.50	JUNE 6, 1986	17.82		

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, AT LSD.
 LSD 200 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.49 BELOW LSD, DEC. 13, 1983,
 LOWEST WATER LEVEL 16.72 BELOW LSD, SEP. 24, 1984.
 RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1985	16.05	MAR. 12, 1986	14.43	JUNE 26, 1986	13.52	SEP. 16, 1986	15.23

323840093272001 LOCAL WELL NUMBER: BO-336

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 19N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.40 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 26.78 BELOW LSD, JULY 11, 1974,
 LOWEST WATER LEVEL 41.17 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1985	30.96	MAR. 12, 1986	31.08	JUNE 27, 1986	30.98	SEP. 18, 1986	33.71

CADD0 PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 54 FT, SCREENED 51-54. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 189.71 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975,
 LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1985	11.98	JAN. 15, 1986	10.52	APR. 9, 1986	10.70	JUNE 4, 1986	9.63
NOV. 20	11.34	FEB. 19	10.10	APR. 30	10.07	JULY 1	7.95
DEC. 18	10.10	MAR. 12	10.43				

CALCASIEU PARISH

301634093140202 LOCAL WELL NUMBER: CU-395

OWNER: KUSHNER AND LEE. (SEC. 13, T. 9S., R. 9W.) DRILLED DOMESTIC ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., REPORTED DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP HOLE IN CASING COVER, 1.25 FT ABOVE LSD.
 LSD 12 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 38.97 BELOW LSD, MAR. 5, 1986,
 LOWEST WATER LEVEL 51.19 BELOW LSD, FEB. 24, 1972.
 RECORDS AVAILABLE 1972-73, 1975, 1977, 1979, 1981, 1983, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1986	38.97						

301115093191501 LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 540 FT, SCREENED 460-540. MP TOP OF RECORDER SHELTER FLOOR, 2.00 FT ABOVE LSD.
 LSD 12.26 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947,
 LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	106.17H	JAN. 29, 1986	103.35H	JUNE 24, 1986	106.75H	AUG. 15, 1986	108.70
DEC. 5	100.17	JAN. 31	102.90	JUNE 25	107.75	AUG. 20	110.30
DEC. 10	99.30	FEB. 5	103.70	JUNE 30	108.10	AUG. 25	110.31
DEC. 15	103.60	FEB. 10	102.95	JULY 5	107.92	AUG. 29	108.90H
DEC. 20	102.58	FEB. 20	99.60	JULY 10	108.11	AUG. 31	108.76
DEC. 25	103.00	APR. 3	98.65H	JULY 15	109.69	SEP. 5	110.41J
DEC. 31	102.80	APR. 5	98.22	JULY 20	110.50	SEP. 10	108.38
JAN. 5, 1986	103.89	JUNE 4	108.30H	JULY 25	109.90	SEP. 15	105.69J
JAN. 10	103.50	JUNE 5	104.05	JULY 31	109.75H	SEP. 20	107.41
JAN. 15	102.20	JUNE 10	103.00	AUG. 5	109.50	SEP. 25	108.03
JAN. 20	103.53	JUNE 15	103.10	AUG. 10	109.00	SEP. 30	109.00
JAN. 25	102.28	JUNE 20	102.28				

301115093191001 LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., REPORTED DEPTH 738 FT, SCREENED 658-738. MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD.
 LSD 12.42 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946,
 LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	89.08	APR. 3, 1986	83.36	JUNE 24, 1986	88.59	AUG. 29, 1986	90.61
FEB. 3, 1986	86.01	JUNE 4	88.98	JULY 31	90.34		

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH

301315093165503 LOCAL WELL NUMBER: CU-739

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 201 FT, SCREENED 191-201. MP TOP OF 2-IN. PIPE, 1.91 FT ABOVE LSD.
 LSD 6.63 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 32.14 BELOW LSD, JAN. 21, 1975,
 LOWEST WATER LEVEL 68.83 BELOW LSD, JAN. 24, 1973.
 RECORDS AVAILABLE 1962-73, 1975-79, 1981-83, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1986	51.42						

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 205 FT, SCREENED 200-205. MP TOP OF CASING, 0.87 FT BELOW LSD.
 LSD 12 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.32 BELOW LSD, APR. 3, 1986,
 LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1986	54.97	APR. 3, 1986	54.32	JULY 31, 1986	55.17		

CALDWELL PARISH

320154092164602 LOCAL WELL NUMBER: CA-86A

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 288 FT, SCREENED 278-288. MP TOP OF CASING, 2.83 FT ABOVE LSD.
 LSD 160 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 48.45 BELOW LSD, JAN. 13, 1976,
 LOWEST WATER LEVEL 58.76 BELOW LSD, MAR. 28, 1984.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	51.63D	MAR. 12, 1986	51.14D	JULY 10, 1986	52.25D	SEP. 4, 1986	51.89D

320154092164601 LOCAL WELL NUMBER: CA-86B

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 545 FT, SCREENED 535-545. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 160 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 77.30 BELOW LSD, MAR. 13, 1979, AUG. 6, 1979,
 LOWEST WATER LEVEL 85.76 BELOW LSD, DEC. 10, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	78.57	MAR. 12, 1986	81.93	JULY 10, 1986	79.52	SEP. 4, 1986	80.90

See footnotes at end of table.

CAMERON PARISH

300055093093003 LOCAL WELL NUMBER: CN-88U

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 666 FT, SCREENED 656-666. MP TOP OF 1 1/2-IN. PIPE, 2.68 FT ABOVE LSD.
 LSD 8.86 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 39.97 BELOW LSD, APR. 13, 1965,
 LOWEST WATER LEVEL 66.62 BELOW LSD, JULY 21, 1978.
 RECORDS AVAILABLE 1964-79, 1981-83, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 7, 1986	48.29						

300055093093004 LOCAL WELL NUMBER: CN-88L

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 804 FT, SCREENED 794-804. MP TOP OF 1 1/2-IN. PIPE, 2.68 FT ABOVE LSD.
 LSD 8.86 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,
 LOWEST WATER LEVEL 66.95 BELOW LSD, JULY 21, 1978.
 RECORDS AVAILABLE 1964-79, 1981-83, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 7, 1986	49.16						

CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
 LSD 50 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975,
 LOWEST WATER LEVEL 57.00 BELOW LSD, DEC. 29, 1980.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	24.00	JAN. 14, 1986	15.80	APR. 2, 1986	15.10	JULY 11, 1986	15.60
OCT. 11	23.96	JAN. 22	17.43	APR. 15	15.10	AUG. 5	19.20
NOV. 14	16.40	FEB. 11	15.20	MAY 8	14.20	AUG. 28	20.54
DEC. 10	12.10	MAR. 11	16.04	MAY 20	17.30	SEP. 3	20.78
DEC. 11	12.04	MAR. 12	16.10	JUNE 12	13.20	SEP. 19	20.30

CLAIBORNE PARISH

325752093082701 LOCAL WELL NUMBER: CL-9

OWNER: TOWN OF HAYNESVILLE. (SEC. 24, T. 23N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN., DEPTH 670 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN. COLLAR, 1.40 FT ABOVE LSD.
 LSD 360 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 212.45 BELOW LSD, DEC. 20, 1961,
 LOWEST WATER LEVEL 278.37 BELOW LSD, AUG. 28, 1980.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1985	271.60	MAR. 10, 1986	267.03	JUNE 26, 1986	268.67	SEP. 18, 1986	267.54

GROUND-WATER LEVELS

CLAIBORNE PARISH

324707093025001 LOCAL WELL NUMBER: CL-58

OWNER: TOWN OF HOMER. (SEC. 25, T. 21N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN., DEPTH 482 FT, SCREENED 432-482. MP TOP OF 1-IN. PIPE, 2.80 FT ABOVE LSD.
 LSD 250 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 95.64 BELOW LSD, JAN. 8, 1958,
 LOWEST WATER LEVEL 143.52 BELOW LSD, SEP. 22, 1986.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1986	140.63	SEP. 22, 1986	143.52				

323943092573601 LOCAL WELL NUMBER: CL-136

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 19N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 835 FT, SCREENED 825-835. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 405 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 297.80 BELOW LSD, JUNE 26, 1974,
 LOWEST WATER LEVEL 315.12 BELOW LSD, SEP. 25, 1984.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1986	314.39						

325706092591001 LOCAL WELL NUMBER: CL-137

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 639 FT, SCREENED 629-639. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 211.44 BELOW LSD, MAY 14, 1975,
 LOWEST WATER LEVEL 226.51 BELOW LSD, SEP. 22, 1986.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1986	225.88	SEP. 22, 1986	226.51				

323908093093101 LOCAL WELL NUMBER: CL-138

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 661 FT, SCREENED 651-661. MP TOP OF CASING, 3.80 FT ABOVE LSD.
 LSD 380 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 202.63 BELOW LSD, SEP. 22, 1986,
 LOWEST WATER LEVEL 216.75 BELOW LSD, SEP. 5, 1985.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1985	216.03	MAR. 6, 1986	216.59	JUNE 26, 1986	215.46	SEP. 22, 1986	202.63

325437092503301 LOCAL WELL NUMBER: CL-148

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 22N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 625 FT, SCREENED 615-625. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 171.03 BELOW LSD, JUNE 23, 1980,
 LOWEST WATER LEVEL 183.70 BELOW LSD, SEP. 6, 1985.
 RECORDS AVAILABLE 1978-83, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	183.34	MAR. 10, 1986	182.98	JUNE 20, 1986	183.06		

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,
 LOWEST WATER LEVEL 274.16 BELOW LSD, SEP. 6, 1985.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1986	273.74						

324908092443501 LOCAL WELL NUMBER: CL-151

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 21N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 719 FT, SCREENED 709-719. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 180.24 BELOW LSD, MAY 20, 1980,
 LOWEST WATER LEVEL 190.60 BELOW LSD, SEP. 6, 1985.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	189.64	MAR. 10, 1986	190.21	JUNE 20, 1986	189.93		

CONCORDIA PARISH

313604091481901 LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM. (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 4 IN., DEPTH 700 FT, SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
 LSD 55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970,
 LOWEST WATER LEVEL 55.43 BELOW LSD, SEP. 4, 1986.
 RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	48.62A	MAR. 11, 1986	29.45	JULY 9, 1986	34.06B	SEP. 4, 1986	55.43A
JAN. 22, 1986	27.47	MAY 27	48.21A				

DE SOTO PARISH

321311093380501 LOCAL WELL NUMBER: DS-375

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 14N., R. 12W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 90-94. MP TOP OF CASING, 4.80 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.70 BELOW LSD, APR. 25, 1975, JUNE 2, 1981,
 LOWEST WATER LEVEL 44.02 BELOW LSD, DEC. 6, 1984.
 RECORDS AVAILABLE 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1986	43.92						

See footnotes at end of table.

GROUND-WATER LEVELS

DE SOTO PARISH

315345093355801 LOCAL WELL NUMBER: DS-443

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 304 FT, SCREENED 294-304. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 66.26 BELOW LSD, SEP. 9, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	65.66	MAR. 11, 1986	65.60	SEP. 9, 1986	64.79		

315545093372601 LOCAL WELL NUMBER: DS-444

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 241 FT, SCREENED 231-241. MP TOP OF CASING, AT LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 58.59 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 61.92 BELOW LSD, SEP. 9, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	60.00	JAN. 21, 1986	60.98	MAR. 11, 1986	60.75	SEP. 9, 1986	61.11

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 140 FT, SCREENED 130-140. MP TOP OF CASING, 3.60 FT ABOVE LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 78.13 BELOW LSD, MAY 15, 1978,
 LOWEST WATER LEVEL 84.18 BELOW LSD, DEC. 10, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	84.18	MAR. 11, 1986	84.00	SEP. 9, 1986	82.53		

315629093352601 LOCAL WELL NUMBER: DS-446

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 220 FT, SCREENED 210-220. MP TOP OF CASING, 3.85 FT ABOVE LSD.
 LSD 340 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 91.12 BELOW LSD, MAY 15, 1978,
 LOWEST WATER LEVEL 94.77 BELOW LSD, SEP. 10, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	93.35	MAR. 11, 1986	92.97	SEP. 9, 1986	93.05		

315459093302001 LOCAL WELL NUMBER: DS-448

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 230 FT, SCREENED 220-230. MP TOP OF CASING, 3.63 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD. (LSD FORMERLY PUBLISHED AS 270 FT ABOVE NGVD.)
 HIGHEST WATER LEVEL 124.22 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 127.72 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	126.14	MAR. 11, 1986	125.26	SEP. 9, 1986	127.72		

315318093274201 LOCAL WELL NUMBER: DS-449

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 240 FT, SCREENED 230-240. MP TOP OF CASING, 3.25 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 88.64 BELOW LSD, APR. 16, 1979,
 LOWEST WATER LEVEL 92.44 BELOW LSD, DEC. 18, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	90.04	MAR. 11, 1986	89.17	SEP. 9, 1986	90.19		

315509093320901 LOCAL WELL NUMBER: DS-450

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 262 FT, SCREENED 252-262. MP TOP OF CASING, 4.10 FT ABOVE LSD.
 LSD 290 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 127.21 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 129.62 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	128.97	MAR. 11, 1986	128.30	SEP. 9, 1986	129.62		

320059093363701 LOCAL WELL NUMBER: DS-461

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 60 FT, SCREENED 55-60. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 365 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.03 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 43.46 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	42.27	MAR. 11, 1986	42.15				

320045093374601 LOCAL WELL NUMBER: DS-462

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 57-62. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 29.90 BELOW LSD, JAN. 10, 1983,
 LOWEST WATER LEVEL 37.94 BELOW LSD, JAN. 27, 1981, MAR. 11, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	33.20	MAR. 11, 1986	32.07				

320029093383701 LOCAL WELL NUMBER: DS-463

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 79 FT, SCREENED 74-79. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 345 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.31 BELOW LSD, MAY 24, 1979,
 LOWEST WATER LEVEL 41.64 BELOW LSD, SEP. 21, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1986	35.68						

GROUND-WATER LEVELS

DE SOTO PARISH

320000093383101 LOCAL WELL NUMBER: DS-464

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 350 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.48 BELOW LSD, MAR. 2, 1983,
 LOWEST WATER LEVEL 24.59 BELOW LSD, DEC. 15, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	18.23	MAR. 11, 1986	19.65

315929093380301 LOCAL WELL NUMBER: DS-465

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 46 FT, SCREENED 41-46. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 310 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.48 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 13.44 BELOW LSD, MAR. 11, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	10.69	MAR. 11, 1986	10.43

315902093371201 LOCAL WELL NUMBER: DS-466

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 80 FT, SCREENED 77-80. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 345 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.84 BELOW LSD, MAR. 26, 1984,
 LOWEST WATER LEVEL 44.78 BELOW LSD, JAN. 25, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	43.47	MAR. 11, 1986	42.79

315836093363801 LOCAL WELL NUMBER: DS-467

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 345 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.52 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 44.81 BELOW LSD, SEP. 25, 1984.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	44.15	MAR. 11, 1986	43.76

315501093282901 LOCAL WELL NUMBER: DS-468

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 117 FT, SCREENED 114-117. MP TOP OF BUSHING, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 145 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 5.49 BELOW LSD, MAR. 28, 1983,
 LOWEST WATER LEVEL 10.05 BELOW LSD, SEP. 10, 1985.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	7.30	MAR. 11, 1986	6.60

315709093252501 LOCAL WELL NUMBER: DS-476

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 11N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 87 FT, SCREENED 84-87. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
 LSD 130 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 7.83 BELOW LSD, MAR. 7, 1983,
 LOWEST WATER LEVEL 14.68 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1985	11.80	FEB. 18, 1986	9.69	APR. 7, 1986	9.56	AUG. 5, 1986	10.72
JAN. 14, 1986	10.37	MAR. 10	9.92	JUNE 2	9.36	SEP. 15	12.16

315649093262501 LOCAL WELL NUMBER: DS-477

OWNER: RIVER ROUGE CO. (SEC. 7, T. 11N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 82 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 130 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.13 BELOW LSD, MAY 2, 1983,
 LOWEST WATER LEVEL 15.68 BELOW LSD, SEP. 16, 1985.
 RECORDS AVAILABLE 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	15.64	JAN. 14, 1986	13.89	APR. 7, 1986	13.35	JUNE 30, 1986	12.84
NOV. 18	14.96	FEB. 18	13.59	APR. 28	13.24	AUG. 5	13.98
DEC. 16	13.83	MAR. 10	13.53	JUNE 2	13.14	SEP. 15	14.56

315801093265501 LOCAL WELL NUMBER: DS-478

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 55 FT, SCREENED 52-55. MP TOP OF BUSHING, AT LSD.
 LSD 130 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 7.14 BELOW LSD, APR. 8, 1985,
 LOWEST WATER LEVEL 14.19 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	12.21	JAN. 14, 1986	9.63	APR. 7, 1986	9.04	JUNE 30, 1986	7.84
NOV. 18	10.95	FEB. 18	9.17	APR. 28	8.90	AUG. 5	9.32
DEC. 16	9.66	MAR. 10	9.22	JUNE 2	8.77	SEP. 15	10.99

320118093555601 LOCAL WELL NUMBER: DS-504

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 260 FT, SCREENED 250-260. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 66.88 BELOW LSD, MAR. 27, 1984,
 LOWEST WATER LEVEL 70.70 BELOW LSD, APR. 20, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	67.72	JAN. 22, 1986	67.94	MAR. 11, 1986	67.95	SEP. 9, 1986	68.60

315818093575202 LOCAL WELL NUMBER: DS-506

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 56 FT, SCREENED 53-56. MP TOP OF BUSHING, 3.40 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 200 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.08 BELOW LSD, APR. 23, 1980,
 LOWEST WATER LEVEL 19.49 BELOW LSD, SEP. 24, 1984.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	17.43	JAN. 22, 1986	16.98	MAR. 11, 1986	16.69		

GROUND-WATER LEVELS

DE SOTO PARISH

315722093280501 LOCAL WELL NUMBER: DS-507

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 52 FT, SCREENED 49-52. MP TOP OF BUSHING, 3.90 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 11.88 BELOW LSD, MAY 29, 1980,
 LOWEST WATER LEVEL 16.32 BELOW LSD, AUG. 24, 1981.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	13.58	MAR. 11, 1986	12.64				

315558093270401 LOCAL WELL NUMBER: DS-508

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 11N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 89 FT, SCREENED 86-89. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 49.52 BELOW LSD, MAY 29, 1980,
 LOWEST WATER LEVEL 53.22 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	51.88	JAN. 22, 1986	51.52	MAR. 11, 1986	51.37	SEP. 9, 1986	53.22

315653093571302 LOCAL WELL NUMBER: DS-509

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 139 FT, SCREENED 136-139. MP TOP OF BUSHING, 3.20 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER MAR. 11, 1986.
 LSD 205 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 19.78 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 23.25 BELOW LSD, SEP. 9, 1985.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	23.17	JAN. 22, 1986	23.11	MAR. 11, 1986	23.11		

320118093555602 LOCAL WELL NUMBER: DS-510

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 170 FT, SCREENED 167-170. MP TOP OF BUSHING, 4.30 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 44.30 BELOW LSD, MAY 22, 1985, MAR. 11, 1986,
 LOWEST WATER LEVEL 45.99 BELOW LSD, MAR. 10, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	44.45	JAN. 22, 1986	44.47	MAR. 11, 1986	44.30	SEP. 9, 1986	45.43

315113093302501 LOCAL WELL NUMBER: DS-511

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 350 FT, SCREENED 340-350. MP TOP OF BUSHING, AT LSD.
 LSD 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 140.05 BELOW LSD, JULY 22, 1981,
 LOWEST WATER LEVEL 143.03 BELOW LSD, SEP. 10, 1985.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1985	142.56	JAN. 21, 1986	142.18	MAR. 10, 1986	142.31	SEP. 9, 1986	142.56

DE SOTO PARISH

315540093534001 LOCAL WELL NUMBER: DS-513

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 11N., R. 15W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 78 FT, SCREENED 76-78. MP TOP OF BUSHING, AT LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 20.54 BELOW LSD, APR. 1, 1985,
 LOWEST WATER LEVEL 23.14 BELOW LSD, NOV. 17, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	21.40	JAN. 22, 1986	21.37	MAR. 11, 1986	20.87	SEP. 9, 1986	21.15

315736093561401 LOCAL WELL NUMBER: DS-515

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 11N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 147 FT, SCREENED 145-147. MP TOP OF BUSHING, AT LSD.
 LSD 200 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 26.98 BELOW LSD, APR. 20, 1983,
 LOWEST WATER LEVEL 32.45 BELOW LSD, SEP. 24, 1984.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	30.89	JAN. 21, 1986	29.63	MAR. 10, 1986	31.06	SEP. 9, 1986	31.55

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 12N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 129-131. MP TOP OF BUSHING, AT LSD.
 LSD 225 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.54 BELOW LSD, MAR. 2, 1983,
 LOWEST WATER LEVEL 17.64 BELOW LSD, SEP. 24, 1984.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	16.46	JAN. 21, 1986	16.00	MAR. 11, 1986	15.60	SEP. 9, 1986	15.72

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER WORKS. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.
 LSD 59.05 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943,
 LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	223.00	JAN. 28, 1986	211.45	APR. 25, 1986	206.50	JULY 15, 1986	215.50
NOV. 11	214.99	FEB. 25	215.95	MAY 28	214.10	AUG. 1	213.85
DEC. 19	214.55	MAR. 26	206.10	JUNE 18	215.95	SEP. 8	208.35

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302657091101201 LOCAL WELL NUMBER: EB-112

OWNER: KEAN'S LAUNDRY. (SEC. 48, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,254 FT, SCREENED 2,173-2,254. MP TOP OF 1/2-IN. BUSHING, AT LSD.
LSD 57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 74.00 ABOVE LSD, JAN. 2, 1930,
LOWEST WATER LEVEL 301.20 BELOW LSD, JULY 26, 1973.
RECORDS AVAILABLE 1930, 1940, 1943, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	239.35	FEB. 21, 1986	230.10	APR. 11, 1986	224.10	AUG. 21, 1986	229.85

302604091095801 LOCAL WELL NUMBER: EB-123

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 710 FT, SCREENED 630-710. MP TOP OF RECORDER SHELTER FLOOR, 0.81 FT ABOVE LSD.
LSD 51.13 FT ABOVE NGVD.
HIGHEST WATER LEVEL 50.70 BELOW LSD, APR. 1, 1935,
LOWEST WATER LEVEL 143.70 BELOW LSD, SEP. 4, 1940.
RECORDS AVAILABLE 1935, 1939-40, 1947-49, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	73.84	FEB. 21, 1986	70.19	APR. 11, 1986	69.19	AUG. 19, 1986	74.29

302617091103602 LOCAL WELL NUMBER: EB-127

OWNER: BROWN-EAGLE ICE CO. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN., DEPTH 330 FT, SCREENED 229-330. MP TOP OF RECORDER BASE, 1.73 FT BELOW LSD.
LSD 49.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.66 BELOW LSD, APR. 27, 1979,
LOWEST WATER LEVEL 53.13 BELOW LSD, OCT. 26, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1985	44.88	FEB. 21, 1986	31.18	APR. 11, 1986	35.83	AUG. 19, 1986	47.23

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROS., INC. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., DEPTH 970 FT, SCREENED 840-883 AND 916-970. MP TOP OF 6-IN. CASING, AT LSD.
LSD 57.02 FT ABOVE NGVD.
HIGHEST WATER LEVEL 67.90 BELOW LSD, MAR. 15, 1946, MAR. 25, 1946,
LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	84.05	FEB. 21, 1986	80.00	APR. 11, 1986	78.00	AUG. 19, 1986	80.00

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: BATON ROUGE DEPT. PUBLIC WORKS. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 1/4-IN. HOLE IN PLATE ATOP CASING, 0.45 FT BELOW LSD.
LSD 52 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916,
LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	106.80	FEB. 21, 1986	105.90	APR. 11, 1986	106.45	AUG. 21, 1986	109.15

302930091101501 LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.
 LSD 60.14 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 69.24 BELOW LSD, JUNE 5, 1981,
 LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	80.88H	JAN. 5, 1986	80.09	APR. 5, 1986	82.68	JULY 10, 1986	77.51
OCT. 5	83.23	JAN. 10	84.01	APR. 10	78.49	JULY 14	75.51H
OCT. 10	84.11	JAN. 15	82.70	APR. 15	77.08	JULY 15	75.71
OCT. 15	83.80	JAN. 20	93.31	APR. 20	76.96	JULY 20	75.22
OCT. 20	83.83	JAN. 23	94.82J	APR. 25	81.15H	JULY 25	75.29
OCT. 25	83.53	JAN. 25	89.34	APR. 30	77.09	JULY 31	75.18
OCT. 31	85.51	JAN. 28	87.00H	MAY 5	76.40	AUG. 1	75.05H
NOV. 5	84.32	JAN. 31	85.41	MAY 10	76.00	AUG. 5	75.17
NOV. 9	83.83H	FEB. 5	84.02	MAY 15	75.86	AUG. 10	75.24
NOV. 10	83.72	FEB. 10	85.98	MAY 20	75.35	AUG. 15	75.61
NOV. 15	83.36	FEB. 15	81.46	MAY 25	74.80	AUG. 20	75.98
NOV. 20	85.87	FEB. 20	82.89	MAY 28	74.25H	AUG. 25	81.15
NOV. 25	83.21	FEB. 25	82.98H	MAY 31	73.99	AUG. 31	79.91
NOV. 30	83.14	FEB. 28	82.91	JUNE 5	73.45	SEP. 2	78.66H
DEC. 5	82.17	MAR. 5	79.35	JUNE 10	73.08	SEP. 5	78.51
DEC. 10	83.26	MAR. 10	78.97	JUNE 15	72.79	SEP. 10	79.35
DEC. 15	80.61	MAR. 15	82.74	JUNE 19	73.45H	SEP. 15	79.81
DEC. 20	79.57	MAR. 20	83.43	JUNE 20	74.42	SEP. 20	79.24
DEC. 24	78.23H	MAR. 25	84.39	JUNE 25	74.04	SEP. 25	79.64
DEC. 25	78.14	MAR. 26	84.80H	JUNE 30	74.33	SEP. 30	78.70
DEC. 31	80.10	MAR. 31	86.50	JULY 5	75.77		

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER WORKS. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496. MP TOP EDGE OF 1 1/2-IN. COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.
 LSD 56 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,
 LOWEST WATER LEVEL 147.27 BELOW LSD, MAY 14, 1979.
 RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	124.31	JAN. 28, 1986	128.85	APR. 25, 1986	130.05	JULY 14, 1986	119.80
NOV. 9	126.36	FEB. 25	118.50	MAY 28	126.95	AUG. 1	124.25
DEC. 19	132.75	MAR. 26	126.45	JUNE 18	120.55	SEP. 2	122.40

303358091094401 LOCAL WELL NUMBER: EB-172

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 239 FT, SCREENED 218-239. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 66 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.80 BELOW LSD, APR. 23, 1985,
 LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1942, 1948-50, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	48.80	MAR. 3, 1986	44.30	APR. 24, 1986	43.45	AUG. 14, 1986	45.05

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LA. OFFICE OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN. NIPPLE ATOP 4-IN. CROSS, 2.20 FT ABOVE LSD.
 LSD 61 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967,
 LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	242.80	JAN. 28, 1986	234.20	APR. 25, 1986	227.25	JULY 14, 1986	232.80
NOV. 9	234.05	FEB. 25	241.30	MAY 28	231.80	AUG. 1	229.80
DEC. 19	237.70	MAR. 26	224.65	JUNE 18	231.00	SEP. 2	226.70

302549091073101 LOCAL WELL NUMBER: EB-301

OWNER: P. C. WITTER. (IRREG. SEC. 91, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,281 FT, SCREENED 1,217-1,281. MP TOP OF 2 1/2-IN. COLLAR ABOVE PLATE ON 4-IN. TEE, 1.30 FT ABOVE LSD.
 LSD 53.45 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.00 ABOVE LSD, AUG. 19, 1926,
 LOWEST WATER LEVEL 110.82 BELOW LSD, OCT. 14, 1981.
 RECORDS AVAILABLE 1926, 1943-44, 1946-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1985	101.00	FEB. 26, 1986	100.20	APR. 17, 1986	99.85	AUG. 21, 1986	101.90

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,725 FT, SCREENED 1,685-1,725. MP TOP OF 2-IN. COUPLING WELDED ON TOP OF CASING, 2.40 FT ABOVE LSD. PRIOR TO MAR. 3, 1986, MP LOWER EDGE OF COLLAR ON 3/4-IN. NIPPLE ON SIDE OF CASING, 1.45 FT ABOVE LSD.
 LSD 67 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941,
 LOWEST WATER LEVEL 64.85 BELOW LSD, NOV. 6, 1979.
 RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1986	50.10	APR. 24, 1986	48.80	AUG. 14, 1986	51.80		

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN., DEPTH 1,971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN. CASING, 0.25 FT ABOVE LSD.
 LSD 68 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942,
 LOWEST WATER LEVEL 80.34 BELOW LSD, OCT. 31, 1980.
 RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	68.05	MAR. 3, 1986	63.85	APR. 24, 1986	62.95	AUG. 14, 1986	63.85

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN. CASING EXTENSION, 1.40 FT ABOVE LSD.
 LSD 55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974,
 LOWEST WATER LEVEL 119.58 BELOW LSD, JULY 16, 1979.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	110.05	FEB. 21, 1986	109.05	APR. 17, 1986	110.25	AUG. 19, 1986	112.55

302930091111301 LOCAL WELL NUMBER: EB-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061. MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD.
 LSD 64.4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942,
 LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
 RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	263.85H	DEC. 25, 1985	260.00	MAR. 20, 1986	247.42	JUNE 20, 1986	251.86
OCT. 5	265.96	DEC. 31	259.63	MAR. 25	242.81	JUNE 25	251.14
OCT. 10	267.33	JAN. 5, 1986	258.78	MAR. 26	242.90H	JUNE 30	251.89
OCT. 15	267.65	JAN. 10	258.82	MAR. 31	242.81	JULY 5	257.18
OCT. 20	262.97	JAN. 14	263.13J	APR. 5	248.20	JULY 10	257.55
OCT. 25	262.10	JAN. 15	262.03	APR. 10	250.88	JULY 14	256.25H
OCT. 31	259.15	JAN. 20	258.09	APR. 25	250.55H	JULY 15	257.98
NOV. 5	259.63	JAN. 25	250.19	APR. 30	254.66	JULY 20	251.66
NOV. 10	254.71	JAN. 28	256.65H	MAY 5	254.01	JULY 25	249.55
NOV. 11	252.51H	JAN. 31	259.57	MAY 10	254.55	JULY 31	251.80
NOV. 15	253.34	FEB. 5	251.51	MAY 15	254.57	AUG. 1	252.40H
NOV. 20	251.56	FEB. 10	249.20	MAY 20	252.19	AUG. 5	253.18
NOV. 25	250.98	FEB. 15	257.12	MAY 25	252.22	AUG. 10	254.70
NOV. 30	249.54	FEB. 20	256.81	MAY 28	255.60H	AUG. 15	256.80
DEC. 3	248.19J	FEB. 25	255.20H	MAY 31	254.66	AUG. 20	255.11
DEC. 5	249.15	FEB. 28	255.23	JUNE 5	254.31	AUG. 25	250.66
DEC. 10	248.81	MAR. 5	255.59	JUNE 10	255.13	AUG. 31	250.54
DEC. 15	250.93	MAR. 10	251.69	JUNE 15	253.83	SEP. 2	247.45H
DEC. 24	256.62H	MAR. 15	251.21	JUNE 19	252.46H	SEP. 5	246.81

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LA. OFFICE OF HIGHWAYS. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 611 FT, SCREENED 551-611. MP 1/4-IN. HOLE IN TOP 8-IN. PLUG, 1.40 FT ABOVE LSD.
 LSD 45.44 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 56.98 BELOW LSD, MAY 6, 1982,
 LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	67.15	FEB. 21, 1986	62.05	APR. 11, 1986	64.00	AUG. 19, 1986	66.75
NOV. 19	63.60						

303238091085701 LOCAL WELL NUMBER: EB-461

OWNER: J. L. GRANBERRY. (SEC. 97, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., REPORTED DEPTH 330 FT, SCREENED 310-330. MP TOP EDGE OF OPENING IN 4 X 2-IN. REDUCER, 0.75 FT ABOVE LSD.
 LSD 65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 53.60 BELOW LSD, APR. 12, 1985,
 LOWEST WATER LEVEL 84.75 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1947-48, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	60.35	MAR. 3, 1986	55.45	APR. 24, 1986	53.80	AUG. 14, 1986	53.70

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A. M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN. HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 73 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948,
 LOWEST WATER LEVEL 67.00 BELOW LSD, OCT. 31, 1980.
 RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	56.97	MAR. 3, 1986	56.57	APR. 24, 1986	58.57	AUG. 14, 1986	58.77

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302654091101101 LOCAL WELL NUMBER: EB-500

OWNER: RED STICK LINEN SERVICE. (SEC. 46, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 IN., ESTIMATED DEPTH 710 FT, SCREENED 663-710. MP TOP OF 2-IN. NIPPLE IN STEEL LINER, 2.54 FT ABOVE LSD.
LSD 57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 69.31 BELOW LSD, MAY 6, 1982,
LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
RECORDS AVAILABLE 1948, 1962, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	78.06	NOV. 19, 1985	76.26	APR. 11, 1986	74.56		

303115091113701 LOCAL WELL NUMBER: EB-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 2,590 FT, SCREENED 2,510-2,590. MP TOP OF 1/2-IN. HOLE IN SANITARY SEAL, 1.48 FT ABOVE LSD.
LSD 67 FT ABOVE NGVD.
HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953,
LOWEST WATER LEVEL 59.39 BELOW LSD, OCT. 31, 1980.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	52.22	MAR. 3, 1986	46.22	APR. 18, 1986	47.77	AUG. 13, 1986	47.52

302149091101401 LOCAL WELL NUMBER: EB-575

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 68, T. 8S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 10 TO 6 IN., DEPTH 2,500 FT, SCREENED 2,440-2,500. MP CENTER LINE OF DISCHARGE PIPE, 3.40 FT ABOVE LSD.
LSD 20 FT ABOVE NGVD.
HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955,
LOWEST WATER LEVEL 5.10 ABOVE LSD, APR. 15, 1983.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	+5.70	APR. 17, 1986	+7.55				

303904091093102 LOCAL WELL NUMBER: EB-578B

OWNER: CITY OF ZACHARY. (SEC. 81, T. 4S., R. 1W.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 TO 6 TO 4 1/2 IN., DEPTH 2,132 FT, SCREENED 2,052-2,132. MP TOP INSIDE EDGE OF VALVE, 1.77 FT ABOVE LSD.
LSD 103 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957,
LOWEST WATER LEVEL 98.83 BELOW LSD, JAN. 27, 1982.
RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	94.63	MAR. 5, 1986	83.58	APR. 18, 1986	94.28	AUG. 13, 1986	94.13

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN., DEPTH 2,590 FT, SCREENED 2,540-2,590. MP TOP OF 1-IN. PIPE ON SIDE OF 8-IN. CASING, 1.90 FT ABOVE LSD.
LSD 67 FT ABOVE NGVD.
HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,
LOWEST WATER LEVEL 45.79 BELOW LSD, JAN. 27, 1981.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	34.35	MAR. 3, 1986	32.80	APR. 24, 1986	31.10	AUG. 14, 1986	31.80

See footnotes at end of table.

304141090585301 LOCAL WELL NUMBER: EB-647

OWNER: EAST BATON ROUGE PARISH SCHOOL BOARD. (SEC. 14, T. 4S., R. 2E.) DRILLED UNUSED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 4 IN., DEPTH 1,950 FT, SCREENED 1,910-1,950. MP BOTTOM EDGE OF 3/4-IN. COLLAR WELDED ON SIDE OF CASING, 1.28 FT ABOVE LSD.
 LSD 107 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958,
 LOWEST WATER LEVEL 81.92 BELOW LSD, OCT. 8, 1981.
 RECORDS AVAILABLE 1958-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	76.72						

303154091083901 LOCAL WELL NUMBER: EB-652

OWNER: GREATER BATON ROUGE AIRPORT DISTRICT. (SEC. 90, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,345 FT, SCREENED 1,264-1,345. MP BREATHER-PIPE HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 68 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 137.31 BELOW LSD, JULY 22, 1981.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	121.22	MAR. 3, 1986	117.87	APR. 24, 1986	124.27	AUG. 14, 1986	126.57

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 1,640 FT, SCREENED 1,580-1,640. MP HOLE IN CENTER OF 6-IN. PLUG ATOP CASING, 1.73 FT ABOVE LSD.
 LSD 65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,
 LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	148.27	MAR. 3, 1986	142.77	APR. 24, 1986	138.42	AUG. 14, 1986	144.17

302414091032601 LOCAL WELL NUMBER: EB-745

OWNER: DOLESE CONCRETE CO. (SEC. 58, T. 7S., R. 2E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 TO 4 IN., DEPTH 503 FT, SCREENED 483-503. MP LOWER EDGE OF 2-IN. PIPE WELDED TO CASING, 2.27 FT ABOVE LSD.
 LSD 40 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 27.00 BELOW LSD, MAY 4, 1958,
 LOWEST WATER LEVEL 54.33 BELOW LSD, APR. 18, 1986.
 RECORDS AVAILABLE 1958, 1970, 1972, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1985	52.53	MAR. 11, 1986	51.03	APR. 18, 1986	54.33		

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,586 FT, SCREENED 2,581-2,586. MP TOP OF CASING, 0.25 FT BELOW LSD.
 LSD 28 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,
 LOWEST WATER LEVEL 2.51 BELOW LSD, OCT. 25, 1982.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	1.10	FEB. 25, 1986	+0.45	APR. 17, 1986	+0.20	AUG. 20, 1986	0.70
NOV. 26	0.15						

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,622 FT, SCREENED 1,617-1,622. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,
LOWEST WATER LEVEL 32.03 BELOW LSD, OCT. 14, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	30.96	FEB. 25, 1986	30.06	APR. 17, 1986	30.36	AUG. 20, 1986	31.16
NOV. 26	26.41						

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,913 FT, SCREENED 1,908-1,913. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965,
LOWEST WATER LEVEL 27.15 BELOW LSD, OCT. 1, 1984.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	26.21	FEB. 25, 1986	25.36	APR. 17, 1986	25.61	AUG. 20, 1986	26.36
NOV. 26	25.56						

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN. STEEL AIR LINE, 2.82 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966,
LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	187.38	FEB. 26, 1986	178.58	APR. 17, 1986	176.63	AUG. 19, 1986	178.58
NOV. 26	176.48						

302535091090402 LOCAL WELL NUMBER: EB-782A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,189 FT, SCREENED 1,184-1,189. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.00 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 18.54 BELOW LSD, MAY 19, 1975,
LOWEST WATER LEVEL 26.75 BELOW LSD, OCT. 22, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	23.05	FEB. 26, 1986	21.90	APR. 17, 1986	22.20	AUG. 19, 1986	23.35
NOV. 26	22.80						

302535091090403 LOCAL WELL NUMBER: EB-782B

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,681 FT, SCREENED 1,676-1,681. MP TOP EDGE OF 5/8-IN. PIPE IN CAP, 2.00 FT ABOVE LSD.
 LSD 28 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966,
 LOWEST WATER LEVEL 119.00 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	108.00	FEB. 26, 1986	103.95	APR. 17, 1986	105.10	AUG. 19, 1986	110.70
NOV. 26	110.40						

302502091113601 LOCAL WELL NUMBER: EB-783A

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 2,179 FT, SCREENED 2,174-2,179. MP TOP EDGE OF 1/2-IN. HOLE IN SANITARY SEAL, 2.02 FT ABOVE LSD.
 LSD 26 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966,
 LOWEST WATER LEVEL 62.58 BELOW LSD, OCT. 18, 1984.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	55.03	FEB. 26, 1986	55.38	APR. 17, 1986	56.83	AUG. 20, 1986	56.08
DEC. 6	54.98						

302502091113602 LOCAL WELL NUMBER: EB-783B

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,675 FT, SCREENED 2,670-2,675. MP TOP OF 2-IN. LINER, 2.56 FT ABOVE LSD.
 LSD 26 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.90 ABOVE LSD, MAR. 1, 1966,
 LOWEST WATER LEVEL 40.45 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	+14.10	FEB. 26, 1986	+15.60	APR. 17, 1986	+15.30	AUG. 20, 1986	+12.90
DEC. 6	+16.60						

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
 LSD 37 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979,
 LOWEST WATER LEVEL 33.02 BELOW LSD, NOV. 14, 1966.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	30.89	FEB. 26, 1986	20.89	APR. 17, 1986	21.34	AUG. 21, 1986	28.54
DEC. 19	16.64						

302511091070402 LOCAL WELL NUMBER: EB-789B

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,721 FT, SCREENED 1,717-1,721. MP TOP OF 2-IN. LINER, 0.88 FT ABOVE LSD.
 LSD 37 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966,
 LOWEST WATER LEVEL 40.32 BELOW LSD, OCT. 14, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	39.57	FEB. 26, 1986	39.42	APR. 17, 1986	38.72	AUG. 21, 1986	40.22
DEC. 19	38.57						

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302605091080602 LOCAL WELL NUMBER: EB-792B

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF AIR LINE IN 2-IN. LINER, 2.39 FT ABOVE LSD.
LSD 45 FT ABOVE NGVD.
HIGHEST WATER LEVEL 121.92 BELOW LSD, MAR. 28, 1966,
LOWEST WATER LEVEL 239.60 BELOW LSD, JULY 27, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	187.11	FEB. 21, 1986	181.61	APR. 17, 1986	176.96	AUG. 19, 1986	179.21
DEC. 5	176.61						

302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U. S. GEOL. SURVEY. (SEC. 71, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 687 FT, SCREENED 683-687. MP TOP EDGE OF 2-IN. LINER, 2.00 FT ABOVE LSD.
LSD 35.3 FT ABOVE NGVD.
HIGHEST WATER LEVEL 49.54 BELOW LSD, JUNE 2, 1982,
LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	57.65	JAN. 28, 1986	53.90	APR. 25, 1986	52.85	JULY 14, 1986	57.10
NOV. 11	55.11	FEB. 25	53.15	MAY 28	52.40	AUG. 12	57.90
DEC. 19	50.20	MAR. 26	51.80	JUNE 18	52.00	SEP. 8	58.70

302559091110801 LOCAL WELL NUMBER: EB-794

OWNER: U. S. GEOL. SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,709 FT, SCREENED 2,705-2,709. MP TOP EDGE OF 3/4-IN. PVC AIR LINE, 3.00 FT ABOVE LSD.
LSD 50.18 FT ABOVE NGVD.
HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965,
LOWEST WATER LEVEL 204.76 BELOW LSD, JULY 13, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	151.00	FEB. 21, 1986	143.40	APR. 11, 1986	142.30	AUG. 20, 1986	149.40
DEC. 6	140.40						

302306091022601 LOCAL WELL NUMBER: EB-803A

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,975 FT, SCREENED 1,971-1,975. MP TOP EDGE OF 3/8-IN. OPENING IN BUSHING IN SANITARY SEAL, 2.11 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.30 ABOVE LSD, MAY 18, 1966,
LOWEST WATER LEVEL 17.92 BELOW LSD, OCT. 3, 1984.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	17.49	NOV. 14, 1985	17.09	APR. 18, 1986	16.59		

302306091022602 LOCAL WELL NUMBER: EB-803B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,565 FT, SCREENED 2,561-2,565. MP TOP EDGE OF 4-IN. TEE, 1.65 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966,
LOWEST WATER LEVEL 11.60 ABOVE LSD, MAY 7, 1982.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	+18.20	APR. 18, 1986	+23.20				

See footnotes at end of table.

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN. CASING, 1.57 FT ABOVE LSD.
 LSD 46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 99.36 BELOW LSD, OCT. 14, 1981.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	94.88	NOV. 18, 1985	94.38	APR. 4, 1986	93.73		

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN. LINER, 2.37 FT ABOVE LSD.
 LSD 46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,
 LOWEST WATER LEVEL 103.10 BELOW LSD, NOV. 10, 1980.
 RECORDS AVAILABLE 1966-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	80.53	NOV. 18, 1985	81.63				

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN. HOLE IN CAP, 1.25 FT ABOVE LSD.
 LSD 46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 61.80 BELOW LSD, NOV. 18, 1985.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	60.65	NOV. 18, 1985	61.80	APR. 4, 1986	59.40		

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U. S. GEOL. SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN. NIPPLE, 1.83 FT ABOVE LSD.
 LSD 46.5 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,
 LOWEST WATER LEVEL 204.05 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	150.67	FEB. 25, 1986	141.17	APR. 18, 1986	140.27	AUG. 21, 1986	147.92

302611091091201 LOCAL WELL NUMBER: EB-807A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,713 FT, SCREENED 1,709-1,713. MP TOP OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969,
 LOWEST WATER LEVEL 129.89 BELOW LSD, JAN. 19, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	117.55	FEB. 21, 1986	116.15	APR. 11, 1986	120.00	AUG. 19, 1986	122.75
NOV. 25	119.30						

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302611091091202 LOCAL WELL NUMBER: EB-807B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,264 FT, SCREENED 2,260-2,264. MP TOP OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 34.86 FT ABOVE NGVD.
HIGHEST WATER LEVEL 132.14 BELOW LSD, MAY 19, 1966,
LOWEST WATER LEVEL 249.90 BELOW LSD, JULY 27, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	191.30	FEB. 21, 1986	185.70	APR. 11, 1986	180.80	AUG. 19, 1986	183.70

302501091101202 LOCAL WELL NUMBER: EB-819

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 322 FT, SCREENED 316-322. MP TOP OF CASING, 0.59 FT ABOVE LSD.
LSD 25.68 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.60 ABOVE LSD, APR. 16, 1973, APR. 17, 1973,
LOWEST WATER LEVEL 20.40 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	15.41	APR. 11, 1986	9.01				

302510091105001 LOCAL WELL NUMBER: EB-820

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 259 FT, SCREENED 253-259. MP TOP OF CASING, 0.71 FT ABOVE LSD.
LSD 22.24 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.10 ABOVE LSD, APR. 27, 1979,
LOWEST WATER LEVEL 17.74 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	12.79	APR. 11, 1986	3.29				

302510091105003 LOCAL WELL NUMBER: EB-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 573 FT, SCREENED 567-573. MP TOP OF COLLAR WELDED ON CASING, 0.58 FT ABOVE LSD.
LSD 22.6 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.30 ABOVE LSD, APR. 27, 1979,
LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	14.62	DEC. 5, 1985	+2.08	APR. 11, 1986	6.62		

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 3, 1982,
LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	49.95	FEB. 21, 1986	46.20	APR. 11, 1986	45.40	AUG. 19, 1986	49.95

See footnotes at end of table.

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 33.57 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 32.57 BELOW LSD, MAY 6, 1975,
 LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	44.10	FEB. 21, 1986	41.40	APR. 11, 1986	41.50	AUG. 19, 1986	41.75

303023091075601 LOCAL WELL NUMBER: EB-826

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 40, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 350 FT, SCREENED 344-350. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 56.77 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 55.40 BELOW LSD, MAY 6, 1975,
 LOWEST WATER LEVEL 103.18 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1985	62.45	FEB. 25, 1986	60.50	APR. 18, 1986	59.25	AUG. 19, 1986	58.20

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 364-370. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 63.96 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 38.82 BELOW LSD, MAY 15, 1979,
 LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	54.50	MAR. 3, 1986	45.40	APR. 24, 1986	46.50	AUG. 14, 1986	51.30

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA-PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,380 FT, SCREENED 1,250-1,270 AND 1,350-1,380. MP TOP OF CASING, 1.70 FT ABOVE LSD.
 LSD 91 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,
 LOWEST WATER LEVEL 139.14 BELOW LSD, OCT. 29, 1980.
 RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	122.80	MAR. 5, 1986	117.70	APR. 18, 1986	122.25	AUG. 13, 1986	129.20

302919091020601 LOCAL WELL NUMBER: EB-866

OWNER: SOUTH CENTRAL BELL TEL. CO. (SEC. 52, T. 6S., R. 2E.) DRILLED COMMERCIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 400 FT, SCREENED 380-400. MP TOP OF CASING, 0.75 FT ABOVE LSD.
 LSD 49 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 20.00 BELOW LSD, NOV. 9, 1979,
 LOWEST WATER LEVEL 43.11 BELOW LSD, MAY 9, 1984.
 RECORDS AVAILABLE 1970, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	40.85	APR. 18, 1986	40.60				

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 692 FT, SCREENED 687-692. MP TOP OF CASING, AT LSD.
LSD 50 FT ABOVE NGVD.
HIGHEST WATER LEVEL 65.18 BELOW LSD, JUNE 2, 1982,
LOWEST WATER LEVEL 142.48 BELOW LSD, OCT. 5, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	74.90	JAN. 28, 1986	71.20	APR. 25, 1986	69.95	JULY 14, 1986	75.10
NOV. 11	72.09	FEB. 25	70.20	MAY 28	69.65	AUG. 1	75.65
DEC. 19	67.45	MAR. 26	70.80	JUNE 18	69.15	SEP. 2	75.90

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U. S. GEOL. SURVEY. (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN. CASING, AT LSD.
LSD 82 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.17 BELOW LSD, APR. 22, 1974,
LOWEST WATER LEVEL 18.31 BELOW LSD, OCT. 4, 1982.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	17.45	MAR. 3, 1986	16.85	APR. 24, 1986	16.80	AUG. 14, 1986	17.40

302614091083001 LOCAL WELL NUMBER: EB-917

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN. CASING, AT LSD.
LSD 46.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,
LOWEST WATER LEVEL 139.58 BELOW LSD, OCT. 2, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	125.65	FEB. 21, 1986	124.00	APR. 17, 1986	124.90	AUG. 19, 1986	130.50
DEC. 4	129.35						

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U. S. GEOL. SURVEY. (SEC. 91, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN. COLLAR, AT LSD.
LSD 40 FT ABOVE NGVD.
HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973,
LOWEST WATER LEVEL 127.22 BELOW LSD, OCT. 14, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1985	116.85	FEB. 26, 1986	114.25	APR. 17, 1986	115.55	AUG. 21, 1986	120.20
DEC. 9	119.10						

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 592-603. MP TOP OF 2-IN. CASING, 1.30 FT ABOVE LSD.
LSD 51 FT ABOVE NGVD.
HIGHEST WATER LEVEL 49.36 BELOW LSD, MAY 3, 1982,
LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	54.00	APR. 18, 1986	52.10				

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN. CASING, 1.10 FT ABOVE LSD.
 LSD 51 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 22, 1975,
 LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	47.90	APR. 18, 1986	46.75				

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD.
 LSD 59 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,
 LOWEST WATER LEVEL 52.25 BELOW LSD, FEB. 22, 1980.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	36.77	FEB. 25, 1986	35.62	MAY 28, 1986	36.37	AUG. 1, 1986	37.02
NOV. 9	36.88	MAR. 26	35.37	JUNE 19	37.11	SEP. 2	37.47
JAN. 28, 1986	36.32	APR. 25	36.92	JULY 14	36.92		

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD.
 LSD 59 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 79.79 BELOW LSD, JUNE 1, 1982,
 LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	92.43	FEB. 25, 1986	86.78	MAY 28, 1986	86.73	AUG. 1, 1986	93.88
NOV. 9	87.12	MAR. 26	85.63	JUNE 19	84.88	SEP. 2	93.43
JAN. 28, 1986	89.38	APR. 25	85.23	JULY 14	94.63		

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,234 FT, SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.02 FT ABOVE LSD.
 LSD 59 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 133.82 BELOW LSD, MAR. 3, 1983,
 LOWEST WATER LEVEL 193.08 BELOW LSD, OCT. 2, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	145.38	FEB. 25, 1986	145.73	MAY 28, 1986	148.58	AUG. 1, 1986	146.33
NOV. 9	140.98	MAR. 26	144.58	JUNE 19	147.83	SEP. 2	153.68
JAN. 28, 1986	145.08	APR. 25	146.03	JULY 14	148.88		

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 68 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 44.15 BELOW LSD, APR. 22, 1985,
 LOWEST WATER LEVEL 57.53 BELOW LSD, FEB. 26, 1980.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	47.20	MAR. 3, 1986	45.45	APR. 18, 1986	46.30	AUG. 13, 1986	46.85
DEC. 9	46.15						

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302238091102501 LOCAL WELL NUMBER: EB-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 74, T. 8S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 171 FT, SCREENED 166-171. MP TOP EDGE OF 1 1/4-IN. TO 3/4-IN. REDUCER ATOP CASING, 2.39 FT ABOVE LSD.
LSD 24.78 FT ABOVE NGVD.
HIGHEST WATER LEVEL 4.39 ABOVE LSD, MAY 7, 1984,
LOWEST WATER LEVEL 19.83 BELOW LSD, JAN. 26, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	15.91	FEB. 21, 1986	3.46	APR. 17, 1986	6.16	AUG. 15, 1986	15.41

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U. S. GEOL. SURVEY. (SEC. 52, T. 6S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 700 FT, SCREENED 690-700. MP TOP OF 2-IN. CASING, AT LSD.
LSD 49 FT ABOVE NGVD.
HIGHEST WATER LEVEL 38.70 BELOW LSD, APR. 12, 1983,
LOWEST WATER LEVEL 43.35 BELOW LSD, OCT. 18, 1985.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	43.35	APR. 18, 1986	42.30				

302605091100901 LOCAL WELL NUMBER: EB-1028

OWNER: U. S. GEOL. SURVEY. (SEC. 53, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,238 FT, SCREENED 2,223-2,238. MP TOP EDGE OF 1-IN. AIR-LINE COLLAR, 0.30 FT BELOW LSD.
LSD 40 FT ABOVE NGVD.
HIGHEST WATER LEVEL 193.20 BELOW LSD, NOV. 27, 1985,
LOWEST WATER LEVEL 245.19 BELOW LSD, JULY 23, 1981.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1985	206.00	FEB. 21, 1986	197.60	APR. 11, 1986	193.70	AUG. 21, 1986	197.10
NOV. 27	193.20						

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 97 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,
LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1985	18.89	MAR. 13, 1986	15.09	JUNE 20, 1986	15.69	SEP. 10, 1986	18.87

325100091132401 LOCAL WELL NUMBER: EC-89

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 335 FT, SCREENED 330-335. MP TOP OF CASING, 0.57 FT ABOVE LSD. PRIOR TO DEC. 4, 1985, MP TOP OF CASING, 0.72 FT ABOVE LSD.
LSD 106.05 FT ABOVE NGVD.
HIGHEST WATER LEVEL 13.53 BELOW LSD, MAY 14, 1958,
LOWEST WATER LEVEL 23.55 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1985	17.87	MAR. 13, 1986	18.74	JUNE 13, 1986	19.02	SEP. 10, 1986	21.30

EAST CARROLL PARISH

325100091132402 LOCAL WELL NUMBER: EC-90

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 0.75 FT ABOVE LSD.
 LSD 106.05 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.31 BELOW LSD, MAR. 22, 1973,
 LOWEST WATER LEVEL 24.50 BELOW LSD, SEP. 10, 1986.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1985	20.12	MAR. 13, 1986	20.14	JUNE 13, 1986	22.74	SEP. 10, 1986	24.50

EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/2-IN. HOLE IN COVER, 1.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 86.15 BELOW LSD, MAY 1, 1986.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1985	81.01	MAY 1, 1986	86.15				

305152091010201 LOCAL WELL NUMBER: EF-73B

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 1,966 FT, SCREENED 1,688-1,718, 1,773-1,795, 1,862-1,872, 1,880-1,900, 1,917-1,929, AND 1,948-1,966. MP TOP EDGE OF BREATHING HOLE IN PLATE ATOP 12-IN. CASING, 1.62 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959,
 LOWEST WATER LEVEL 143.13 BELOW LSD, MAY 1, 1986.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1985	131.90	MAY 1, 1986	143.13				

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 2S., R. 1E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 10 IN., REPORTED DEPTH 1,514 FT, SCREENED 1,469-1,514. MP LOWER EDGE OF 1-IN. ACCESS PIPE, 1.48 FT ABOVE LSD.
 LSD 228 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 201.14 BELOW LSD, MAR. 28, 1985.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1985	195.82	MAR. 6, 1986	196.39	MAY 1, 1986	196.57	AUG. 15, 1986	200.57

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN., DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF SANITARY SEAL, 1.29 FT ABOVE LSD.
 LSD 135 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.85 BELOW LSD, JULY 21, 1983,
 LOWEST WATER LEVEL 139.88 BELOW LSD, MAY 2, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1985	123.74	MAR. 6, 1986	109.00	MAY 1, 1986	121.00	AUG. 13, 1986	123.11

GROUND-WATER LEVELS
EAST FELICIANA PARISH

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 2S., R. 1E.) BORED DOMESTIC WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 8 IN., DEPTH 96 FT, OPEN END CASING. MP TOP INSIDE EDGE OF 8-IN. CONCRETE CASING, 0.60 FT ABOVE LSD.
LSD 250 FT ABOVE NGVD.
HIGHEST WATER LEVEL 66.43 BELOW LSD, JAN. 18, 1984,
LOWEST WATER LEVEL 73.48 BELOW LSD, MAY 7, 1979.
RECORDS AVAILABLE 1974-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1985	72.36						

EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
LSD 65.66 FT ABOVE NGVD.
HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,
LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.
RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	84.81H	FEB. 10, 1986	80.36	APR. 30, 1986	96.03	JULY 15, 1986	87.98
OCT. 5	84.85	FEB. 15	80.41	MAY 5	96.00	JULY 20	87.58
OCT. 10	84.60	FEB. 20	80.00	MAY 10	89.50	JULY 25	87.30
OCT. 15	84.23	FEB. 25	80.09	MAY 15	92.91	JULY 31	86.33
OCT. 20	84.11	FEB. 28	80.03	MAY 20	96.25	AUG. 4	88.50H
OCT. 25	83.89	MAR. 5	79.99	MAY 25	100.62	AUG. 5	88.98
OCT. 31	82.78	MAR. 10	81.78	MAY 30	94.95H	AUG. 10	88.18
NOV. 5	83.49	MAR. 15	82.42	MAY 31	94.00	AUG. 15	87.08
NOV. 10	83.42	MAR. 20	83.28	JUNE 5	92.58	AUG. 20	86.30
NOV. 15	83.26	MAR. 25	80.81	JUNE 10	91.05	AUG. 28	86.30H
NOV. 20	83.15	MAR. 31	81.63	JUNE 15	90.70	AUG. 31	86.30
NOV. 25	82.89	APR. 5	83.15	JUNE 20	87.60	SEP. 5	86.68
NOV. 30	82.58	APR. 9	89.85H	JUNE 25	90.70	SEP. 10	87.60
DEC. 5	82.70	APR. 10	87.22	JUNE 30	89.24	SEP. 15	87.38
DEC. 10	82.36	APR. 15	86.98	JULY 3	88.85H	SEP. 20	86.97
DEC. 15	82.35	APR. 20	93.12	JULY 5	88.40	SEP. 25	86.48
FEB. 6, 1986	80.45H	APR. 25	98.70	JULY 10	87.69	SEP. 30	85.90

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 231.36 FT ABOVE NGVD.
HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,
LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1985	68.16	JAN. 30, 1986	68.00	APR. 28, 1986	68.13	JULY 31, 1986	68.48
NOV. 27	68.02	FEB. 27	67.85	MAY 30	67.62	AUG. 29	68.71
DEC. 20	68.05	MAR. 27	67.96	JUNE 30	68.34	SEP. 11	68.57

See footnotes at end of table.

GRANT PARISH

313119092254001 LOCAL WELL NUMBER: G-262

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 6N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN., DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 3.30 FT ABOVE LSD.
 LSD 178.73 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.55 BELOW LSD, APR. 30, 1974,
 LOWEST WATER LEVEL 45.15 BELOW LSD, DEC. 23, 1977.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1985	38.09	MAR. 17, 1986	38.78	JULY 18, 1986	39.96	SEP. 11, 1986	40.58

314200092465101 LOCAL WELL NUMBER: G-305

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 8N., R. 4W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 40 FT, SCREENED 37-40. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.58 BELOW LSD, JUNE 3, 1983,
 LOWEST WATER LEVEL 20.85 BELOW LSD, MAR. 3, 1982.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1985	14.98	MAR. 14, 1986	15.47	JULY 7, 1986	16.20	SEP. 2, 1986	16.68

313156092324101 LOCAL WELL NUMBER: G-314

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 7N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 99 FT, SCREENED 96-99. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 245 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.65 BELOW LSD, JULY 7, 1975,
 LOWEST WATER LEVEL 60.55 BELOW LSD, DEC. 15, 1982.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	52.61	MAR. 12, 1986	54.40	JULY 10, 1986	53.22	SEP. 3, 1986	55.71

IBERVILLE PARISH

302920091311101 LOCAL WELL NUMBER: IB-9

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,180 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF 1/2-IN. HOLE IN SIDE OF CASING, 0.80 FT ABOVE LSD.
 LSD 23 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 30.00 ABOVE LSD, DEC. 27, 1951,
 LOWEST WATER LEVEL 32.40 BELOW LSD, OCT. 15, 1981.
 RECORDS AVAILABLE 1951, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	27.80	APR. 23, 1986	26.75				

302919091311101 LOCAL WELL NUMBER: IB-29

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,964 FT, SCREENED 1,880-1,964. MP HOLE IN SANITARY SEAL, 1.60 FT ABOVE LSD.
 LSD 23 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 58.90 ABOVE LSD, DEC. 15, 1951,
 LOWEST WATER LEVEL 30.20 BELOW LSD, OCT. 7, 1982.
 RECORDS AVAILABLE 1951, 1960, 1970, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	27.20	APR. 23, 1986	26.10				

GROUND-WATER LEVELS

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: STONE CONTAINER CORP. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 TO 8 IN., DEPTH 570 FT, SCREENED 542-570. MP TOP OF RECORDER SHELTER SHELF, 2.33 FT ABOVE LSD.
 LSD 160 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961,
 LOWEST WATER LEVEL 193.86 BELOW LSD, OCT. 1, 1967.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	136.31	MAR. 4, 1986	155.00	JUNE 18, 1986	146.60	SEP. 26, 1986	155.24

321128092440801 LOCAL WELL NUMBER: JA-127

OWNER: STONE CONTAINER CORP. (SEC. 13, T. 14N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 367 FT, SCREENED 357-367. MP TOP OF CASING, 1.80 FT ABOVE LSD.
 LSD 242.15 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 152.05 BELOW LSD, JULY 13, 1966,
 LOWEST WATER LEVEL 162.67 BELOW LSD, JULY 25, 1973.
 RECORDS AVAILABLE 1966, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	156.30	MAR. 4, 1986	155.91	JUNE 18, 1986	156.79	SEP. 26, 1986	158.66

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,
 LOWEST WATER LEVEL 230.39 BELOW LSD, SEP. 24, 1986.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	229.31	MAR. 4, 1986	229.20	JUNE 18, 1986	229.15	SEP. 24, 1986	230.39

321338092345801 LOCAL WELL NUMBER: JA-148

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 14N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 578 FT, SCREENED 568-578. MP TOP OF BUSHING, 3.30 FT ABOVE LSD.
 LSD 245 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 206.58 BELOW LSD, APR. 7, 1976,
 LOWEST WATER LEVEL 214.68 BELOW LSD, SEP. 26, 1986.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1986	212.86	SEP. 26, 1986	214.68				

322433092412101 LOCAL WELL NUMBER: JA-149

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 478 FT, SCREENED 468-478. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 154.78 BELOW LSD, MAY 13, 1975,
 LOWEST WATER LEVEL 174.16 BELOW LSD, SEP. 26, 1986.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	172.97	MAR. 4, 1986	174.00	JUNE 18, 1986	172.73	SEP. 26, 1986	174.16

JACKSON PARISH

321730092373701 LOCAL WELL NUMBER: JA-156

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 15N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 629 FT, SCREENED 619-629. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 290 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 250.90 BELOW LSD, MAY 19, 1980,
 LOWEST WATER LEVEL 256.71 BELOW LSD, JULY 18, 1985.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	256.69	JAN. 22, 1986	256.08	APR. 29, 1986	256.02	JUNE 18, 1986	256.67
DEC. 2	256.24	MAR. 4	256.23				

JEFFERSON PARISH

300109090091001 LOCAL WELL NUMBER: JF-71

OWNER: GREATER NEW ORLEANS EXPRESSWAY COMMISSION. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 566 FT, SCREENED 551-566. MP HOLE IN SANITARY SEAL, 3.40 FT ABOVE LSD.
 LSD 11 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 63.60 BELOW LSD, APR. 24, 1984,
 LOWEST WATER LEVEL 87.43 BELOW LSD, OCT. 17, 1973.
 RECORDS AVAILABLE 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	69.80	NOV. 5, 1985	69.24	APR. 3, 1986	64.30		

295858090154101 LOCAL WELL NUMBER: JF-153

OWNER: W. & H. WAREHOUSE CO. (SEC. 37, T. 12S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., DEPTH 670 FT, SCREENED 630-670. MP TOP EDGE STEEL PLATE ATOP CASING, 2.20 FT ABOVE LSD.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.90 BELOW LSD, APR. 27, 1984,
 LOWEST WATER LEVEL 46.05 BELOW LSD, SEP. 29, 1981.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1985	37.43	FEB. 20, 1986	35.76	APR. 3, 1986	35.24	AUG. 5, 1986	35.70
NOV. 5	36.86						

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.
 LSD 9 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.95 BELOW LSD, APR. 24, 1984,
 LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1985	76.70	APR. 3, 1986	72.06				

295355090044201 LOCAL WELL NUMBER: JF-166

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 14S., R. 24E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 1,302 FT, SCREENED 1,292-1,302. MP TOP OF 2-IN. CASING, 0.35 FT ABOVE LSD.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.50 BELOW LSD, FEB. 9, 1984,
 LOWEST WATER LEVEL 44.81 BELOW LSD, JAN. 6, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	42.15	FEB. 20, 1986	42.33	APR. 8, 1986	42.77	AUG. 19, 1986	42.89
NOV. 5	42.19						

GROUND-WATER LEVELS

JEFFERSON PARISH

295355090044202 LOCAL WELL NUMBER: JF-167

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 14S., R. 24E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 725 FT, SCREENED 715-725. MP TOP OF 2-IN. CASING, 0.15 FT ABOVE LSD.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 58.85 BELOW LSD, MAY 1, 1984,
 LOWEST WATER LEVEL 70.05 BELOW LSD, OCT. 21, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	66.85	FEB. 20, 1986	63.28	APR. 8, 1986	62.90	AUG. 19, 1986	64.96
NOV. 5	65.64						

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 318 FT, SCREENED 238-318. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.
 LSD 24.1 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943,
 LOWEST WATER LEVEL 95.00 BELOW LSD, JULY 21, 1980.
 RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	64.76	FEB. 18, 1986	56.65	APR. 8, 1986	62.95	JULY 30, 1986	67.25

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 290 FT, SCREENED 270-290. MP TOP OF 4-IN. CASING COLLAR, 3.00 FT ABOVE LSD.
 LSD 21.36 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 50.97 BELOW LSD, MAR. 5, 1986,
 LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	59.14H	JAN. 10, 1986	52.84	APR. 15, 1986	59.15	JULY 10, 1986	68.80
OCT. 5	58.65	JAN. 15	52.68	APR. 20	64.83	JULY 15	79.32
OCT. 10	58.21	JAN. 20	52.40	APR. 25	67.00	JULY 20	78.30
OCT. 15	57.61	JAN. 25	52.14	APR. 29	69.02H	JULY 25	72.29
OCT. 20	58.17	JAN. 29	52.08H	APR. 30	67.70	JULY 30	68.90H
OCT. 25	57.84	JAN. 31	52.08	MAY 5	64.19	JULY 31	68.45
OCT. 31	56.10	FEB. 5	51.83	MAY 10	72.34	AUG. 5	66.27
NOV. 5	55.92	FEB. 10	51.69	MAY 15	76.40	AUG. 10	65.28
NOV. 10	57.13	FEB. 15	51.70	MAY 20	75.80	AUG. 15	63.27
NOV. 15	56.00	FEB. 20	52.58	MAY 25	80.71	AUG. 20	62.00
NOV. 20	55.69	FEB. 25	51.49	MAY 29	70.95H	AUG. 25	66.00
NOV. 25	55.24	FEB. 28	51.50H	MAY 31	69.50	AUG. 29	70.93H
NOV. 30	54.74	MAR. 5	50.97	JUNE 5	68.70	AUG. 31	70.68
DEC. 5	54.51	MAR. 10	53.39	JUNE 10	67.40	SEP. 5	66.50
DEC. 10	54.32	MAR. 15	53.25	JUNE 15	70.30	SEP. 10	64.51
DEC. 15	54.01	MAR. 20	54.12	JUNE 20	71.08	SEP. 15	65.50
DEC. 20	54.43	MAR. 25	54.19	JUNE 24	68.90H	SEP. 20	64.05
DEC. 25	53.75	MAR. 31	54.58H	JUNE 25	68.84	SEP. 25	61.20
DEC. 31	53.27	APR. 5	58.49	JUNE 30	67.85	SEP. 30	60.00H
JAN. 5, 1986	53.10	APR. 10	57.75	JULY 5	66.50		

See footnotes at end of table.

314153092075201 LOCAL WELL NUMBER: LA-157

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 8N., R. 3E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN., DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 211.9 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 53.33 BELOW LSD, JUNE 29, 1976,
 LOWEST WATER LEVEL 59.70 BELOW LSD, SEP. 15, 1982.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	59.28	MAR. 12, 1986	57.66	JULY 10, 1986	58.79	SEP. 4, 1986	58.44

313610092052601 LOCAL WELL NUMBER: LA-215

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 2.50 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.59 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 58.95 BELOW LSD, SEP. 15, 1982.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1985	54.46	MAR. 13, 1986	52.70	JULY 14, 1986	53.60	SEP. 10, 1986	56.20

313610092052602 LOCAL WELL NUMBER: LA-217

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 60 FT, SCREENED 57-60. MP TOP OF CASING, 2.20 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.23 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 49.33 BELOW LSD, FEB. 21, 1973.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1985	41.05	MAR. 13, 1986	40.47	JULY 14, 1986	40.31	SEP. 10, 1986	41.44

313610092052603 LOCAL WELL NUMBER: LA-218

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 2.20 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.68 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 57.22 BELOW LSD, DEC. 22, 1981.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1985	54.32	MAR. 13, 1986	53.03	JULY 14, 1986	53.66	SEP. 10, 1986	56.26

314500092171004 LOCAL WELL NUMBER: LA-252D

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 9N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,388 FT, SCREENED 1,368-1,388. MP TOP OF BUSHING, 4.70 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.96 BELOW LSD, JUNE 2, 1980,
 LOWEST WATER LEVEL 39.99 BELOW LSD, DEC. 6, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 27, 1986	37.47	JULY 18, 1986	38.04	SEP. 11, 1986	38.54		

GROUND-WATER LEVELS

LINCOLN PARISH

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN., DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN. HOLE IN PLATE, 2.00 FT ABOVE LSD.
 LSD 155 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,
 LOWEST WATER LEVEL 166.04 BELOW LSD, SEP. 6, 1985, MAR. 10, 1986.
 RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1986	166.04						

323458092275101 LOCAL WELL NUMBER: L-68

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 18N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 770 FT, SCREENED 760-770. MP TOP OF 2 X 3/4-IN. BUSHING, 5.14 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 185.04 BELOW LSD, MAR. 2, 1970,
 LOWEST WATER LEVEL 230.16 BELOW LSD, SEP. 25, 1986.
 RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1986	227.46	SEP. 25, 1986	230.16				

323013092482001 LOCAL WELL NUMBER: L-113

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 18N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 355 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 266.50 BELOW LSD, AUG. 11, 1969,
 LOWEST WATER LEVEL 302.74 BELOW LSD, MAR. 6, 1986.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1986	302.74						

323105092374802 LOCAL WELL NUMBER: L-123

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 18N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 126.30 BELOW LSD, SEP. 9, 1985,
 LOWEST WATER LEVEL 129.55 BELOW LSD, OCT. 7, 1970.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 24, 1986	126.45						

324018092482201 LOCAL WELL NUMBER: L-153

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 19N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 535 FT, SCREENED 525-535. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 212.99 BELOW LSD, JAN. 29, 1979,
 LOWEST WATER LEVEL 226.02 BELOW LSD, SEP. 6, 1985.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1985	225.20	MAR. 6, 1986	224.83	JUNE 20, 1986	224.57		

302804090581802 LOCAL WELL NUMBER: LI-26B

OWNER: CLIFF MACK. (SEC. 67, T. 7S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 1,305 FT, SCREENED 1,289-1,305. MP TOP OF 2-IN. CASING, 0.77 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 10, 1985.
 LSD 37 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.53 BELOW LSD, JULY 1, 1957,
 LOWEST WATER LEVEL 64.77 BELOW LSD, OCT. 1, 1981.
 RECORDS AVAILABLE 1957-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	60.78						

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,865 FT, SCREENED 1,825-1,865. MP CENTER LINE OF 3/4-IN. TEE, 1.20 FT ABOVE LSD.
 LSD 46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,
 LOWEST WATER LEVEL 41.20 ABOVE LSD, OCT. 18, 1982.
 RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	+50.20	APR. 15, 1986	+51.20				

302826090344901 LOCAL WELL NUMBER: LI-54

OWNER: ST. MARGARET'S CATHOLIC CHURCH. (SEC. 2, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,144 FT, SCREENED 2,104-2,144. MP CENTER LINE OF 2-IN. TEE, 0.80 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 9, 1985.
 LSD 33 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 121.80 ABOVE LSD, NOV. 30, 1954, JAN. 10, 1955, FEB. 1, 1955,
 LOWEST WATER LEVEL 64.00 ABOVE LSD, OCT. 4, 1982, MAY 14, 1984.
 RECORDS AVAILABLE 1954-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+65.90						

302959090563401 LOCAL WELL NUMBER: LI-92

OWNER: CITY OF DENHAM SPRINGS. (SEC. 48, T. 6S., R. 3E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN., DEPTH 2,100 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF 1/2-IN. NIPPLE, 0.80 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER FEB. 13, 1986.
 LSD 51 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.67 BELOW LSD, FEB. 3, 1978,
 LOWEST WATER LEVEL 70.50 BELOW LSD, OCT. 27, 1980.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	60.04	FEB. 13, 1986	54.17				

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W. K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN., REPORTED DEPTH 1,300 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.
 LSD 48 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967,
 LOWEST WATER LEVEL 17.62 BELOW LSD, OCT. 10, 1985.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	17.62	APR. 15, 1986	17.57				

See footnotes at end of table.

GROUND-WATER LEVELS

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN., DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.80 FT ABOVE LSD.
 LSD 117.44 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958,
 LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	158.00H	JAN. 10, 1986	156.87	APR. 18, 1986	154.49J	JULY 15, 1986	163.56
OCT. 10	158.08	JAN. 15	155.85	APR. 20	157.79	JULY 18	165.14J
OCT. 15	159.59	JAN. 20	157.77	APR. 25	158.41	JULY 20	164.03
OCT. 20	157.95	JAN. 25	158.82	APR. 30	158.30	JULY 25	164.36
OCT. 23	152.90J	JAN. 31	159.84	MAY 5	157.11	JULY 31	163.26
NOV. 5	161.10J	FEB. 5	159.69	MAY 6	156.88H	AUG. 5	163.12H
NOV. 10	157.91	FEB. 10	160.10	MAY 10	158.74	AUG. 6	164.24J
NOV. 15	160.53	FEB. 12	162.80J	MAY 15	162.42	AUG. 10	159.60
NOV. 20	159.81	FEB. 15	159.86	MAY 20	163.01	AUG. 15	159.52
NOV. 25	158.30	FEB. 20	160.40	MAY 21	163.22J	AUG. 20	158.83
NOV. 30	160.60	FEB. 25	160.57	MAY 25	161.60	AUG. 23	156.50J
DEC. 1	160.62J	FEB. 28	160.94	MAY 31	160.30	AUG. 25	156.79
DEC. 3	158.99H	MAR. 5	159.27	JUNE 1	160.11J	AUG. 31	158.57
DEC. 5	158.28	MAR. 9	155.89J	JUNE 5	162.71	SEP. 5	157.90
DEC. 10	160.16	MAR. 10	158.22H	JUNE 10	162.71	SEP. 10	156.93
DEC. 15	159.78	MAR. 15	161.00	JUNE 15	163.97	SEP. 15	157.77
DEC. 20	158.51	MAR. 20	158.57	JUNE 17	164.24H	SEP. 19	154.16J
DEC. 25	150.48	MAR. 25	160.35	JUNE 20	163.04	SEP. 20	157.43
DEC. 28	146.98J	MAR. 31	160.53	JUNE 25	162.85	SEP. 25	159.83
DEC. 31	148.98	APR. 5	160.39	JUNE 30	163.52	SEP. 27	163.68J
JAN. 2, 1986	157.06H	APR. 10	161.82	JULY 5	163.10	SEP. 30	158.22
JAN. 5	158.31	APR. 15	160.49	JULY 10	162.85		

324704091543801 LOCAL WELL NUMBER: MO-15

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN., DEPTH 105 FT, SCREENED 67-105. MP TOP OF STEEL BASE PLATE, 1.00 FT ABOVE LSD.
 LSD 143.72 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 74.83 BELOW LSD, APR. 29, 1953,
 LOWEST WATER LEVEL 99.55 BELOW LSD, DEC. 17, 1974.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	85.98	SEP. 30, 1986	83.62				

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D. W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.
 LSD 73.51 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,
 LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.
 RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	12.12						

325925091513001 LOCAL WELL NUMBER: MO-283

OWNER: GEORGIA-PACIFIC CORP. (SEC. 9, T. 23N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 1/2 IN., DEPTH 135 FT, SCREENED 125-135. MP 1-IN. HOLE IN TOP OF WELL CAP, 3.90 FT ABOVE LSD.
 LSD 163.26 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 71.39 BELOW LSD, FEB. 23, 1961,
 LOWEST WATER LEVEL 75.26 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1986	75.26						

See footnotes at end of table.

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 620 FT, SCREENED 610-620. MP TOP OF BUSHING, 0.15 FT ABOVE LSD.
 LSD 88.34 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 91.63 BELOW LSD, JULY 31, 1968,
 LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1968-81, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	91.84						

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 176 FT, SCREENED 166-176. MP TOP OF BUSHING, 0.30 FT ABOVE LSD.
 LSD 88.41 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,
 LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	10.63						

325810091384001 LOCAL WELL NUMBER: MO-344

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 258 FT, SCREENED 248-258. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 106.35 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.96 BELOW LSD, APR. 30, 1969,
 LOWEST WATER LEVEL 38.05 BELOW LSD, SEP. 1, 1982.
 RECORDS AVAILABLE 1968-70, 1972-82, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	27.16						

325526091530501 LOCAL WELL NUMBER: MO-345

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 786 FT, SCREENED 776-786. MP TOP OF CASING, 0.30 FT ABOVE LSD.
 LSD 113.65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968,
 LOWEST WATER LEVEL 113.19 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1986	105.95						

325810091384002 LOCAL WELL NUMBER: MO-346

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 167 FT, SCREENED 157-167. MP TOP OF CASING, 3.60 FT ABOVE LSD.
 LSD 106.57 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.47 BELOW LSD, APR. 30, 1969,
 LOWEST WATER LEVEL 30.74 BELOW LSD, AUG. 22, 1972.
 RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	26.68						

GROUND-WATER LEVELS

MOREHOUSE PARISH

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 833 FT, SCREENED 823-833. MP TOP OF CASING, 5.14 FT ABOVE LSD.
 LSD 142.27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 169.84 BELOW LSD, SEP. 12, 1985,
 LOWEST WATER LEVEL 193.69 BELOW LSD, SEP. 2, 1980.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	171.69						

325518091403001 LOCAL WELL NUMBER: MO-348

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 311 FT, SCREENED 291-311. MP TOP OF CASING, 4.20 FT ABOVE LSD.
 LSD 98.88 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.63 BELOW LSD, MAR. 26, 1969,
 LOWEST WATER LEVEL 23.52 BELOW LSD, APR. 17, 1985.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	20.64						

324352091531002 LOCAL WELL NUMBER: MO-349

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 217 FT, SCREENED 197-217. MP TOP OF BUSHING, 3.93 FT ABOVE LSD.
 LSD 142.46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.45 BELOW LSD, JULY 10, 1969,
 LOWEST WATER LEVEL 71.09 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	70.65						

325707091574701 LOCAL WELL NUMBER: MO-350

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 740 FT, SCREENED 730-740. MP TOP OF CASING, 2.43 FT ABOVE LSD.
 LSD 112.08 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969,
 LOWEST WATER LEVEL 108.90 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1986	104.45						

324352091531003 LOCAL WELL NUMBER: MO-351

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 312 FT, SCREENED 292-312. MP TOP OF BUSHING, 3.71 FT ABOVE LSD.
 LSD 142.23 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.18 BELOW LSD, SEP. 6, 1977,
 LOWEST WATER LEVEL 74.27 BELOW LSD, SEP. 1, 1982.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1986	71.75						

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U. S. GEOL. SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.
 LSD 102.59 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969,
 LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1985	8.90	JAN. 21, 1986	6.92	APR. 18, 1986	7.09	JULY 8, 1986	5.54
NOV. 22	7.09	FEB. 24	5.79	MAY 7	6.78	AUG. 11	8.20
DEC. 23	5.22	MAR. 14	6.28	JUNE 9	4.26	SEP. 22	9.31

320116093044902 LOCAL WELL NUMBER: NA-479

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 12N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 106 FT, SCREENED 103-106. MP TOP OF BUSHING, AT LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 55.17 BELOW LSD, MAR. 7, 1985,
 LOWEST WATER LEVEL 59.49 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	56.51	JAN. 23, 1986	56.27	APR. 29, 1986	55.89	AUG. 6, 1986	55.99
DEC. 5	56.38	MAR. 5	56.08	JUNE 19	55.69		

315221093242901 LOCAL WELL NUMBER: NA-491

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 493 FT, SCREENED 483-493. MP TOP OF BUSHING, AT LSD.
 LSD 250 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 97.04 BELOW LSD, MAY 13, 1985,
 LOWEST WATER LEVEL 99.91 BELOW LSD, AUG. 26, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1985	98.88	MAR. 10, 1986	98.76	JULY 8, 1986	98.87	SEP. 8, 1986	99.08
JAN. 21, 1986	98.77	MAY 12	98.71				

315221093242902 LOCAL WELL NUMBER: NA-495

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 168 FT, SCREENED 163-168. MP TOP OF BUSHING, AT LSD.
 LSD 250 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.27 BELOW LSD, MAR. 27, 1984,
 LOWEST WATER LEVEL 101.90 BELOW LSD, APR. 22, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1985	100.88	MAR. 10, 1986	101.45	JULY 8, 1986	100.63	SEP. 8, 1986	100.90
JAN. 21, 1986	100.64	MAY 12	100.49				

GROUND-WATER LEVELS

ORLEANS PARISH

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U. S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN. RECORDER BASE, 1.00 FT ABOVE LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942,
 LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.
 RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1985	95.80	FEB. 20, 1986	86.60	APR. 8, 1986	85.86	AUG. 22, 1986	92.40
NOV. 5	90.20						

300158090033801 LOCAL WELL NUMBER: OR-128

OWNER: ORLEANS LEVEE BOARD. (SEC. 111, T. 12S., R. 11E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., DEPTH 581 FT, SCREENED 541-581. MP 1/2-IN. HOLE IN TOP OF WELL, 1.10 FT ABOVE LSD. WELL DESTROYED MAY 1986.
 LSD 5 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 87.48 BELOW LSD, FEB. 24, 1983,
 LOWEST WATER LEVEL 167.66 BELOW LSD, JULY 21, 1976.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1985	99.70	APR. 8, 1986	96.84				

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN. CASING, AT LSD. PRIOR TO AUG. 18, 1986, MP TOP OF 2-IN. CASING, 1.25 FT ABOVE LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963,
 LOWEST WATER LEVEL 37.23 BELOW LSD, JULY 29, 1981.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	35.75	AUG. 18, 1986	37.16				

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 2,434 FT, SCREENED 2,429-2,434. MP CENTER LINE OF DISCHARGE PIPE, 2.87 FT ABOVE LSD.
 LSD 4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965,
 LOWEST WATER LEVEL 63.90 ABOVE LSD, OCT. 27, 1983.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1985	+64.90	APR. 8, 1986	+64.80				

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 453 FT, SCREENED 448-453. MP TOP OF 2-IN. CASING, 0.65 FT BELOW LSD.
 LSD 5 FT BELOW NGVD.
 HIGHEST WATER LEVEL 66.50 BELOW LSD, FEB. 3, 1983,
 LOWEST WATER LEVEL 81.72 BELOW LSD, SEP. 29, 1981.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1985	70.70	FEB. 20, 1986	69.01	APR. 8, 1986	71.43	AUG. 18, 1986	72.33

See footnotes at end of table.

323837092021702 LOCAL WELL NUMBER: OU-24

OWNER: SOUTHERN CARBON CO. (SEC. 37, T. 19N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN., DEPTH 688 FT, SCREENED 540-688. MP TOP INSIDE EDGE OF 1/2-IN. NIPPLE, 5.27 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 119.70 BELOW LSD, MAR. 17, 1964,
 LOWEST WATER LEVEL 136.41 BELOW LSD, MAR. 4, 1981.
 RECORDS AVAILABLE 1964-70, 1974-78, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1986	134.04						

322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 3, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 IN., DEPTH 851 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 2.40 FT ABOVE LSD.
 LSD 75.9 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 168.82 BELOW LSD, JULY 7, 1952,
 LOWEST WATER LEVEL 277.73 BELOW LSD, JULY 28, 1986.
 RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1985	272.67H	DEC. 20, 1985	256.51	FEB. 20, 1986	259.02	APR. 25, 1986	272.69
OCT. 15	270.61	DEC. 25	236.56	FEB. 25	264.64	APR. 30	271.10
OCT. 20	264.11	DEC. 27	228.21J	FEB. 28	266.19	MAY 5	273.48
OCT. 25	265.86	DEC. 31	245.27	MAR. 5	267.33	MAY 10	274.12
OCT. 31	261.83	JAN. 5, 1986	246.75	MAR. 14	264.76H	MAY 15	269.75
NOV. 5	259.22	JAN. 10	246.10	MAR. 20	268.10	MAY 20	274.80
NOV. 10	254.66	JAN. 15	248.91	MAR. 31	261.38	MAY 25	275.58
NOV. 15	258.87	JAN. 20	251.10	APR. 5	269.20	MAY 29	276.36J
NOV. 20	251.91	JAN. 25	258.28	APR. 10	269.14	MAY 31	275.22
DEC. 2	256.56H	JAN. 31	262.37	APR. 15	267.98	JUNE 18	275.54H
DEC. 5	258.07	FEB. 5	255.98	APR. 17	270.27H	JULY 28	277.73H
DEC. 10	253.14	FEB. 10	256.32	APR. 20	269.57	SEP. 24	267.42H
DEC. 15	253.56	FEB. 15	254.13				

322649092063101 LOCAL WELL NUMBER: OU-88

OWNER: FRED PETERS. (SEC. 24, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 TO 4 IN., DEPTH 401 FT, SCREENED 335-401. MP TOP OF CASING, 2.40 FT ABOVE LSD.
 LSD 75 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.83 BELOW LSD, JAN. 17, 1946,
 LOWEST WATER LEVEL 103.28 BELOW LSD, SEP. 10, 1976.
 RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	100.21	SEP. 24, 1986	100.24				

323136091592801 LOCAL WELL NUMBER: OU-151

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 18N., R. 5E.) DRILLED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 68 FT, SCREENED 58-68. MP TOP OF 3 X 2-IN. REDUCER, 4.80 FT ABOVE LSD.
 LSD 72.42 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 19, 1975,
 LOWEST WATER LEVEL 23.63 BELOW LSD, SEP. 22, 1954.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	9.39	MAR. 13, 1986	11.25	JUNE 17, 1986	10.45	SEP. 23, 1986	14.21

See footnotes at end of table.

GROUND-WATER LEVELS

OUACHITA PARISH

321653092015601 LOCAL WELL NUMBER: OU-241

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 70 FT, SCREENED 67-70. MP TOP OF CASING, 4.80 FT ABOVE LSD.
 LSD 61.52 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.78 BELOW LSD, JAN. 17, 1968,
 LOWEST WATER LEVEL 26.99 BELOW LSD, SEP. 29, 1978.
 RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1986	21.92						

321713092034401 LOCAL WELL NUMBER: OU-243

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 61.83 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 8.54 BELOW LSD, SEP. 3, 1975,
 LOWEST WATER LEVEL 23.60 BELOW LSD, NOV. 27, 1963.
 RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 24, 1986	10.95						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.
 LSD 62.28 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,
 LOWEST WATER LEVEL 101.60 BELOW LSD, MAR. 23, 1982.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 12, 1986	97.16	SEP. 23, 1986	100.19				

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 3.68 FT ABOVE LSD.
 LSD 63.3 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965,
 LOWEST WATER LEVEL 50.38 BELOW LSD, SEP. 24, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	49.83	SEP. 24, 1986	50.38				

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 460 FT, SCREENED 453-460. MP TOP OF CASING, 4.04 FT ABOVE LSD.
 LSD 63.3 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,
 LOWEST WATER LEVEL 58.18 BELOW LSD, SEP. 24, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	57.58	MAR. 14, 1986	57.25	JUNE 17, 1986	57.34	SEP. 24, 1986	58.18

323030091554801 LOCAL WELL NUMBER: OU-404

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 18N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 685 FT, SCREENED 678-685. MP TOP OF CASING, 4.77 FT ABOVE LSD.

LSD 60.89 FT ABOVE NGVD.

HIGHEST WATER LEVEL 62.27 BELOW LSD, AUG. 7, 1968,

LOWEST WATER LEVEL 81.08 BELOW LSD, SEP. 23, 1986.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	78.82	MAR. 12, 1986	78.82	JUNE 17, 1986	79.53	SEP. 23, 1986	81.08

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.

LSD 66.66 FT ABOVE NGVD.

HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,

LOWEST WATER LEVEL 120.54 BELOW LSD, SEP. 24, 1986.

RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	118.20	MAR. 14, 1986	116.20	JUNE 17, 1986	118.58	SEP. 24, 1986	120.54

322531092053902 LOCAL WELL NUMBER: OU-406

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 681 FT, SCREENED 676-681. MP TOP OF CASING, 3.66 FT ABOVE LSD.

LSD 66.75 FT ABOVE NGVD.

HIGHEST WATER LEVEL 115.06 BELOW LSD, JAN. 17, 1968,

LOWEST WATER LEVEL 145.97 BELOW LSD, SEP. 24, 1986.

RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	144.58	MAR. 14, 1986	142.77	JUNE 17, 1986	143.89	SEP. 24, 1986	145.97

323100092165801 LOCAL WELL NUMBER: OU-443

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 860 FT, SCREENED 850-860. MP TOP OF CASING, 3.22 FT ABOVE LSD.

LSD 118 FT ABOVE NGVD.

HIGHEST WATER LEVEL 168.40 BELOW LSD, AUG. 20, 1969,

LOWEST WATER LEVEL 205.92 BELOW LSD, SEP. 25, 1986.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1986	201.41	SEP. 25, 1986	205.92				

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 118 FT ABOVE NGVD.

HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,

LOWEST WATER LEVEL 208.83 BELOW LSD, SEP. 25, 1986.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1986	204.21	SEP. 25, 1986	208.83				

GROUND-WATER LEVELS

OUACHITA PARISH

323100092165803 LOCAL WELL NUMBER: OU-445

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 454 FT, SCREENED 444-454. MP TOP OF CASING, 3.66 FT ABOVE LSD.
 LSD 118 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 191.97 BELOW LSD, APR. 13, 1970,
 LOWEST WATER LEVEL 230.85 BELOW LSD, SEP. 25, 1986.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1986	224.29	SEP. 25, 1986	230.85				

322437092243101 LOCAL WELL NUMBER: OU-488

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 16N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 795 FT, SCREENED 785-795. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 300.39 BELOW LSD, APR. 18, 1979,
 LOWEST WATER LEVEL 315.62 BELOW LSD, SEP. 24, 1986.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	314.60	MAR. 4, 1986	314.39	JUNE 18, 1986	314.66	SEP. 24, 1986	315.62

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 460 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF REDUCER AT WELL, 1.30 FT ABOVE LSD.
 LSD 41 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.
 RECORDS AVAILABLE 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	21.90	APR. 23, 1986	14.60				

304645091434901 LOCAL WELL NUMBER: PC-49

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 3S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 137 FT, SCREENED 132-137. MP TOP OF 4-IN. CASING, 1.00 FT ABOVE LSD.
 LSD 36 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.59 BELOW LSD, MAR. 29, 1962,
 LOWEST WATER LEVEL 28.95 BELOW LSD, NOV. 4, 1963.
 RECORDS AVAILABLE 1955-68, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	24.70	APR. 23, 1986	16.60				

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,530 FT, SCREENED 1,490-1,530. MP TOP OF SANITARY SEAL, 2.30 FT ABOVE LSD.
 LSD 33 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.79 BELOW LSD, JUNE 16, 1970,
 LOWEST WATER LEVEL 60.70 BELOW LSD, OCT. 15, 1981.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	53.25	APR. 23, 1986	51.25				

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER, SR. (SEC. 16, T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 2,294 FT, SCREENED 2,259-2,294. MP CENTER LINE OF TEE, 0.80 FT ABOVE LSD.
 LSD 26 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,
 LOWEST WATER LEVEL 5.40 ABOVE LSD, OCT. 15, 1981.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+8.50	MAY 2, 1986	+11.70				

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., REPORTED DEPTH 1,637 FT, SCREENED 1,617-1,637. MP TOP OF 3/4-IN. PLUG IN TOP OF WELL, 1.56 FT ABOVE LSD.
 LSD 27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 35.44 BELOW LSD, OCT. 7, 1982.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	32.24	APR. 23, 1986	29.94				

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,228 FT, SCREENED 1,218-1,228. MP 3/8-IN. HOLE IN 2-IN. PLUG ATOP WELL, 2.50 FT ABOVE LSD.
 LSD 41 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 6.10 BELOW LSD, OCT. 28, 1983.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	6.05	APR. 23, 1986	5.00				

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 835 FT, SCREENED 825-835. MP CENTER OF GAGE IN BUSHING ATOP CASING, 2.66 FT ABOVE LSD.
 LSD 41 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 7.54 BELOW LSD, OCT. 9, 1984.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	6.49	APR. 23, 1986	7.14				

303835091202401 LOCAL WELL NUMBER: PC-146

OWNER: GLYNN WATER WORKS. (SEC. 56, T. 5S., R. 11E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,785 FT, SCREENED 1,765-1,785. MP BOTTOM EDGE OF 1 X 2-IN. REDUCER, 1.15 FT ABOVE LSD.
 LSD 33 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974,
 LOWEST WATER LEVEL 25.25 BELOW LSD, NOV. 5, 1980.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	20.50	APR. 23, 1986	18.35				

See footnotes at end of table.

GROUND-WATER LEVELS

POINTE COUPEE PARISH

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 1,263 FT, SCREENED 1,174-1,228 AND 1,237-1,263. MP 3/4-IN. PLUG IN SANITARY SEAL, 1.16 FT ABOVE LSD.
 LSD 36 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,
 LOWEST WATER LEVEL 61.49 BELOW LSD, OCT. 7, 1982.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	46.84	APR. 23, 1986	46.99				

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 990 FT, SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.
 LSD 25 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 5, 1975,
 LOWEST WATER LEVEL 31.55 BELOW LSD, OCT. 9, 1985.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	31.55	APR. 23, 1986	31.30				

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: MRS. EMMA MOUNGER. (SEC. 50, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., ESTIMATED DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP 1/2-IN. HOLE IN SANITARY SEAL, 0.60 FT ABOVE LSD.
 LSD 35 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.80 BELOW LSD, APR. 17, 1973,
 LOWEST WATER LEVEL 23.55 BELOW LSD, NOV. 19, 1976.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	19.95	APR. 23, 1986	12.95				

RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN., DEPTH 406 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN. NIPPLE, 1.30 FT ABOVE LSD.
 LSD 78.53 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 69.73 BELOW LSD, APR. 29, 1960,
 LOWEST WATER LEVEL 179.75 BELOW LSD, OCT. 21, 1963.
 RECORDS AVAILABLE 1939, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	87.93	MAR. 26, 1986	79.71	JULY 10, 1986	76.76	SEP. 2, 1986	76.57
FEB. 7, 1986	78.87						

311850092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RR. (SEC. 40, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH APPROXIMATELY 1,100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 3.25 FT ABOVE LSD.
 LSD 83.5 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 83.29 BELOW LSD, FEB. 26, 1957,
 LOWEST WATER LEVEL 168.66 BELOW LSD, AUG. 10, 1943.
 RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	88.23	MAR. 26, 1986	86.86	JULY 10, 1986	85.78	SEP. 2, 1986	86.47
FEB. 7, 1986	87.38						

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 100 FT, SCREENED 95-100. MP TOP OF CASING, 2.00 FT ABOVE LSD.
 LSD 170.4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 49.04 BELOW LSD, SEP. 10, 1975,
 LOWEST WATER LEVEL 53.22 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 9, 1986	51.47						

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING COLLAR, 0.72 FT ABOVE LSD.
 LSD 192.9 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
 LOWEST WATER LEVEL 77.81 BELOW LSD, FEB. 23, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	52.89	FEB. 7, 1986	55.77	JULY 10, 1986	54.58	SEP. 3, 1986	55.25

310728092394201 LOCAL WELL NUMBER: R-848

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 105 FT, SCREENED 102-105. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 206.8 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.38 BELOW LSD, MAY 21, 1968,
 LOWEST WATER LEVEL 64.20 BELOW LSD, NOV. 13, 1981.
 RECORDS AVAILABLE 1966-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	57.29						

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.63 FT ABOVE LSD.
 LSD 193.09 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968,
 LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	46.92	MAR. 26, 1986	47.96	JULY 10, 1986	48.79	SEP. 3, 1986	51.53
FEB. 7, 1986	46.82						

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 220.55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 51.92 BELOW LSD, SEP. 13, 1985,
 LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	52.97	MAR. 26, 1986	52.56	JULY 10, 1986	52.80	SEP. 2, 1986	53.00

GROUND-WATER LEVELS

RAPIDES PARISH

311655092192101 LOCAL WELL NUMBER: R-861

OWNER: BODCAW CO. (SEC. 42, T. 4N., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 87 FT, SCREENED 76-87. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 128 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 43.09 BELOW LSD, MAY 21, 1966,
 LOWEST WATER LEVEL 45.48 BELOW LSD, JAN. 15, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1986	44.01						

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA. (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 104 FT, SCREENED 99-104. MP TOP OF 1/2-IN. NIPPLE, 0.80 FT ABOVE LSD.
 LSD 196.5 FT ABOVE NGVD. (LSD FORMERLY PUBLISHED AS 225.89 FT ABOVE NGVD.)
 HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968,
 LOWEST WATER LEVEL 61.27 BELOW LSD, DEC. 3, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	50.55	FEB. 7, 1986	53.33	JULY 10, 1986	48.83	SEP. 3, 1986	51.57

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 60 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 28.23 BELOW LSD, APR. 15, 1970,
 LOWEST WATER LEVEL 72.04 BELOW LSD, SEP. 14, 1982.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	66.51C	MAR. 14, 1986	65.10	JULY 14, 1986	65.80	SEP. 10, 1986	65.09
JAN. 24, 1986	65.85	MAY 15	67.22				

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 165 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 45.67 BELOW LSD, JAN. 25, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	38.73	FEB. 7, 1986	38.80	JULY 10, 1986	41.36	SEP. 3, 1986	42.00

310404092313001 LOCAL WELL NUMBER: R-1016

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.94 BELOW LSD, JUNE 24, 1976,
 LOWEST WATER LEVEL 37.52 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	34.30						

See footnotes at end of table.

310329092320801 LOCAL WELL NUMBER: R-1017

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 1N., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 185 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.88 BELOW LSD, MAY 19, 1976,
 LOWEST WATER LEVEL 46.87 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	44.19						

310340092332801 LOCAL WELL NUMBER: R-1018

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 138 FT, SCREENED 135-138. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 59.26 BELOW LSD, JUNE 17, 1974,
 LOWEST WATER LEVEL 68.45 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	63.44						

310125092324801 LOCAL WELL NUMBER: R-1019

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 150 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 44.77 BELOW LSD, MAY 9, 1974,
 LOWEST WATER LEVEL 51.40 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	46.98						

310008092340801 LOCAL WELL NUMBER: R-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 24 FT, SCREENED 21-24. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 60 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.17 BELOW LSD, SEP. 22, 1983,
 LOWEST WATER LEVEL 7.62 BELOW LSD, SEP. 21, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	6.55						

310131092345901 LOCAL WELL NUMBER: R-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 155 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974,
 LOWEST WATER LEVEL 51.32 BELOW LSD, NOV. 16, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	46.82	FEB. 7, 1986	46.59	JULY 10, 1986	47.39	SEP. 3, 1986	47.73

GROUND-WATER LEVELS

RAPIDES PARISH

310303092355401 LOCAL WELL NUMBER: R-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 170 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 46.06 BELOW LSD, NOV. 16, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	39.84	FEB. 7, 1986	39.63	JULY 10, 1986	41.22	SEP. 3, 1986	41.70

310403092370702 LOCAL WELL NUMBER: R-1024A

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
 LSD 115 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.21 ABOVE LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 5.77 BELOW LSD, AUG. 26, 1981.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	3.46	FEB. 7, 1986	3.27	JULY 10, 1986	4.49	SEP. 3, 1986	4.39

310403092370701 LOCAL WELL NUMBER: R-1024B

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, AT LSD. PRIOR TO JAN. 8, 1985, MP TOP OF CASING, 3.32 FT ABOVE LSD.
 LSD 115 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.10 ABOVE LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 4.88 BELOW LSD, AUG. 24, 1983.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	2.16	FEB. 7, 1986	2.19	JULY 10, 1986	3.40	SEP. 3, 1986	3.60

310421092351001 LOCAL WELL NUMBER: R-1026

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.37 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 57.34 BELOW LSD, SEP. 30, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	52.23						

310510092344601 LOCAL WELL NUMBER: R-1027

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 148 FT, SCREENED 145-148. MP TOP OF CASING, 5.00 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 70.13 BELOW LSD, OCT. 29, 1975,
 LOWEST WATER LEVEL 80.42 BELOW LSD, SEP. 30, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	74.53						

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 22 FT, SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977,
 LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	9.90	MAR. 26, 1986	10.79	JULY 10, 1986	11.26	SEP. 3, 1986	10.49
FEB. 7, 1986	9.69						

310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977,
 LOWEST WATER LEVEL 11.73 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1985	8.65	MAR. 26, 1986	10.03	JULY 10, 1986	10.65	SEP. 3, 1986	10.44
FEB. 7, 1986	9.03						

310552092410301 LOCAL WELL NUMBER: R-1030

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 134 FT, SCREENED 131-134. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 66.89 BELOW LSD, OCT. 29, 1975,
 LOWEST WATER LEVEL 74.09 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	69.41						

310919092385701 LOCAL WELL NUMBER: R-1032

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 240 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 86.50 BELOW LSD, SEP. 3, 1986,
 LOWEST WATER LEVEL 91.79 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	86.50						

310927092374001 LOCAL WELL NUMBER: R-1033

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 175 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.77 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 43.54 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	37.75						

GROUND-WATER LEVELS

RAPIDES PARISH

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 52.71 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	44.33						

310806092351801 LOCAL WELL NUMBER: R-1035

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 127 FT, SCREENED 124-127. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 73.63 BELOW LSD, NOV. 10, 1977,
 LOWEST WATER LEVEL 85.49 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1986	80.67						

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.95 FT BELOW LSD. PRIOR TO MAR. 14, 1986, MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 240 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,
 LOWEST WATER LEVEL 217.17 BELOW LSD, SEP. 18, 1986.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	212.62	MAR. 5, 1986	211.59	JULY 15, 1986	211.96	SEP. 18, 1986	217.17
JAN. 24, 1986	211.42						

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 500 FT, SCREENED 490-500. MP TOP OF BUSHING, AT LSD.
 LSD 100 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975,
 LOWEST WATER LEVEL 53.48 BELOW LSD, AUG. 19, 1986.
 RECORDS AVAILABLE 1975-84, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 8, 1986	53.07	AUG. 18, 1986	53.46	AUG. 19, 1986	53.48	SEP. 3, 1986	53.40

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,772 FT, SCREENED 2,752-2,772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981,
 LOWEST WATER LEVEL 65.62 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1985	62.24	MAR. 24, 1986	64.63	JULY 17, 1986	65.09	SEP. 9, 1986	65.62
JAN. 23, 1986	64.23	MAY 21	64.79				

RAPIDES PARISH

310007092431602 LOCAL WELL NUMBER: R-1208

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 117 FT, SCREENED 92-117. MP TOP OF CASING, 1.70 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 25.72 BELOW LSD, MAR. 21, 1985,
 LOWEST WATER LEVEL 32.41 BELOW LSD, NOV. 26, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1985	27.48	MAR. 24, 1986	27.49	JULY 17, 1986	28.28	SEP. 9, 1986	28.84
JAN. 23, 1986	26.90	MAY 21	28.03				

RED RIVER PARISH

321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 235 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 8, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1985	60.82	FEB. 27, 1986	59.82	MAY 29, 1986	59.68	JULY 23, 1986	59.63
DEC. 18	60.40	MAR. 13	59.24	JUNE 19	59.48	SEP. 15	60.44
JAN. 14, 1986	60.18	APR. 28	59.75				

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 42 FT, SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 235 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 21.64 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 27.74 BELOW LSD, OCT. 8, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1985	26.88	FEB. 27, 1986	24.74	MAY 29, 1986	24.71	JULY 23, 1986	24.52
DEC. 18	25.36	MAR. 13	24.72	JUNE 19	24.09	SEP. 15	25.88
JAN. 14, 1986	25.18	APR. 28	24.71				

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 12N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD.
 LSD 160 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 19.03 BELOW LSD, MAR. 28, 1984,
 LOWEST WATER LEVEL 20.58 BELOW LSD, NOV. 24, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1985	19.42	MAR. 13, 1986	19.14	JUNE 19, 1986	19.13	SEP. 15, 1986	19.74
JAN. 14, 1986	19.38	APR. 28	19.45	AUG. 8	19.53		

GROUND-WATER LEVELS

RED RIVER PARISH

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 42 FT, SCREENED 39-42. MP TOP OF CASING, 4.70 FT ABOVE LSD.
 LSD 128 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.62 BELOW LSD, JUNE 30, 1986,
 LOWEST WATER LEVEL 15.20 BELOW LSD, OCT. 16, 1984.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1985	14.37	JAN. 14, 1986	12.18	APR. 7, 1986	10.99	JUNE 2, 1986	8.46
NOV. 18	13.94	FEB. 18	10.75	APR. 28	9.49	JUNE 30	4.62
DEC. 16	10.54	MAR. 10	11.71				

RICHLAND PARISH

322956091441001 LOCAL WELL NUMBER: RI-88

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN., DEPTH 239 FT, SCREENED 228-239. MP TOP OF 4-IN. COLLAR, 3.60 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 17.00 BELOW LSD, MAY 21, 1975,
 LOWEST WATER LEVEL 20.68 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	19.53						

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.
 LSD 84 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975,
 LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.
 RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	20.31						

322706091453401 LOCAL WELL NUMBER: RI-91

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.90 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.19 BELOW LSD, MAY 3, 1984,
 LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	11.02						

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.20 BELOW LSD, MAY 3, 1984,
 LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	10.97						

322804091375002 LOCAL WELL NUMBER: RI-93A

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 17N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.09 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 18.25 BELOW LSD, JULY 20, 1970.
 RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	17.56						

323217091295002 LOCAL WELL NUMBER: RI-95A

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 200 FT, SCREENED 190-200. MP TOP OF CASING, 2.00 FT ABOVE LSD.
 LSD 90 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 23.58 BELOW LSD, MAY 3, 1984,
 LOWEST WATER LEVEL 25.53 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	24.47						

323003091301301 LOCAL WELL NUMBER: RI-96

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 170 FT, SCREENED 160-170. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 90 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.18 BELOW LSD, MAY 3, 1984,
 LOWEST WATER LEVEL 17.34 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	16.16						

322750091350501 LOCAL WELL NUMBER: RI-97

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 17N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.98 BELOW LSD, MAY 21, 1975,
 LOWEST WATER LEVEL 17.48 BELOW LSD, AUG. 25, 1970.
 RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	16.57						

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,
 LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	33.67						

GROUND-WATER LEVELS

RICHLAND PARISH

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.91 BELOW LSD, AUG. 7, 1975,
 LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	32.71						

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 1.60 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 32.13 BELOW LSD, AUG. 7, 1975,
 LOWEST WATER LEVEL 34.53 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1974-84, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1986	32.94						

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 10 IN., DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961,
 LOWEST WATER LEVEL 16.93 BELOW LSD, JULY 25, 1955, MAR. 1, 1982.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	15.12	APR. 1, 1986	9.02	JULY 9, 1986	8.79	SEP. 4, 1986	10.75

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BOARD. (SEC. 38, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 6 IN., DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 83.29 BELOW LSD, MAY 31, 1979,
 LOWEST WATER LEVEL 89.80 BELOW LSD, JUNE 25, 1963.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	87.84	MAY 12, 1986	86.06	JULY 8, 1986	85.95	SEP. 9, 1986	87.58
MAR. 11, 1986	86.06						

312243093240501 LOCAL WELL NUMBER: SA-287

OWNER: A. J. HODGES. (SEC. 28, T. 5N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 6 IN., DEPTH 208 FT, SCREENED 175-208. MP 1/2-IN. HOLE IN SANITARY SEAL, 1.20 FT ABOVE LSD.
 LSD 310 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 64.02 BELOW LSD, DEC. 17, 1958,
 LOWEST WATER LEVEL 70.20 BELOW LSD, FEB. 12, 1973.
 RECORDS AVAILABLE 1958, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 4, 1986	66.14						

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.
 LSD 242 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973,
 LOWEST WATER LEVEL 17.73 BELOW LSD, OCT. 29, 1980.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	14.39	APR. 1, 1986	14.34	JULY 9, 1986	14.89	SEP. 4, 1986	16.31
JAN. 22, 1986	14.36	MAY 13	14.78				

311930093362001 LOCAL WELL NUMBER: SA-387

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 402 FT, SCREENED 397-402. MP TOP OF CASING, 1.45 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 39.59 BELOW LSD, JUNE 4, 1969,
 LOWEST WATER LEVEL 67.86 BELOW LSD, OCT. 28, 1965.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	43.63	APR. 1, 1986	43.66	JULY 9, 1986	43.74	SEP. 4, 1986	44.84

311930093362002 LOCAL WELL NUMBER: SA-388

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 265 FT, SCREENED 260-265. MP TOP OF CASING, 1.20 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.28 BELOW LSD, JAN. 31, 1974,
 LOWEST WATER LEVEL 65.18 BELOW LSD, OCT. 28, 1965.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	43.41	APR. 1, 1986	42.84	JULY 9, 1986	42.69	SEP. 4, 1986	43.06

312314093352901 LOCAL WELL NUMBER: SA-389

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 5N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 70.58 BELOW LSD, MAR. 27, 1969,
 LOWEST WATER LEVEL 77.49 BELOW LSD, FEB. 2, 1967.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	73.67	APR. 1, 1986	76.87	JULY 9, 1986	76.77		

312604093315801 LOCAL WELL NUMBER: SA-390

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 362 FT, SCREENED 357-362. MP TOP OF CASING, 0.70 FT ABOVE LSD.
 LSD 325 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 115.30 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 118.31 BELOW LSD, SEP. 4, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 4, 1986	118.31						

GROUND-WATER LEVELS

SABINE PARISH

312329093295201 LOCAL WELL NUMBER: SA-391

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.65 FT ABOVE LSD.
 LSD 240 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.49 ABOVE LSD, JAN. 17, 1984,
 LOWEST WATER LEVEL 4.85 BELOW LSD, OCT. 6, 1971.
 RECORDS AVAILABLE 1965-74, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 4, 1986	0.60						

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 242 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 23.79 BELOW LSD, JULY 3, 1975,
 LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	24.94	APR. 1, 1986	24.60	JULY 9, 1986	24.78	SEP. 4, 1986	25.20

313748093451001 LOCAL WELL NUMBER: SA-394

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 8N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 278 FT, SCREENED 273-278. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 106.74 BELOW LSD, APR. 9, 1975,
 LOWEST WATER LEVEL 118.85 BELOW LSD, OCT. 4, 1967.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 9, 1986	108.61						

314620093460801 LOCAL WELL NUMBER: SA-395

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.03 ABOVE LSD, JUNE 5, 1968,
 LOWEST WATER LEVEL 8.57 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1985	7.09	MAR. 11, 1986	7.09	JULY 8, 1986	6.99	SEP. 9, 1986	8.57
JAN. 22, 1986	6.78						

312748093393801 LOCAL WELL NUMBER: SA-462

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 6N., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 102.69 BELOW LSD, MAR. 12, 1980,
 LOWEST WATER LEVEL 104.05 BELOW LSD, SEP. 21, 1982.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	103.57	APR. 1, 1986	103.19	JULY 9, 1986	103.15	SEP. 4, 1986	103.19

SABINE PARISH

312725093325301 LOCAL WELL NUMBER: SA-465

OWNER: U. S. GEOL. SURVEY. (SEC. 39, T. 6N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 4.04 FT ABOVE LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 39.55 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 47.46 BELOW LSD, SEP. 21, 1982.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	43.80	APR. 1, 1986	42.19	JULY 9, 1986	42.28	SEP. 4, 1986	44.53

ST. CHARLES PARISH

300022090241001 LOCAL WELL NUMBER: SC-9

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 24 IN., DEPTH 808 FT, SCREENED 673-808. MP TOP OF 2-IN. COLLAR ON STEEL PLATE, AT LSD. PRIOR TO OCT. 24, 1985, MP TOP OF 2-IN. COLLAR ON STEEL PLATE, 0.28 FT ABOVE LSD.
 LSD 4.79 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950,
 LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.
 RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1985	26.26	FEB. 20, 1986	26.13	APR. 30, 1986	26.20	JULY 16, 1986	26.00
NOV. 25	26.13	APR. 3	26.06	JUNE 5	25.65	AUG. 19	26.18
JAN. 6, 1986	26.55						

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN., DEPTH 404 FT, SCREENED 324-404. MP BOTTOM EDGE OF DOOR ON CULVERT, 1.35 FT ABOVE LSD.
 LSD 5.51 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 27.21 BELOW LSD, DEC. 15, 1979,
 LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1985	38.54	JAN. 6, 1986	41.30H	APR. 5, 1986	31.73	JULY 10, 1986	39.44
OCT. 10	41.49	JAN. 10	40.96	APR. 10	33.44	JULY 15	40.13
OCT. 15	42.22	JAN. 15	40.82	APR. 15	34.78	JULY 16	40.23H
OCT. 24	42.07H	JAN. 20	40.75	APR. 20	34.80	JULY 20	40.67
OCT. 25	42.05	JAN. 25	40.57	APR. 25	34.94	JULY 25	40.79
OCT. 31	40.64	JAN. 31	38.15	APR. 30	34.82H	JULY 31	41.49
NOV. 5	41.56	FEB. 5	36.06	MAY 5	34.84	AUG. 5	42.10
NOV. 10	42.25	FEB. 10	34.90	MAY 10	34.74	AUG. 10	42.44
NOV. 15	42.32	FEB. 15	34.32	MAY 15	34.66	AUG. 15	42.54
NOV. 20	42.24	FEB. 20	33.74	MAY 20	34.62	AUG. 19	42.76H
NOV. 25	42.06H	FEB. 25	33.17	MAY 25	34.48	AUG. 20	42.80
NOV. 30	41.81	FEB. 28	33.06	MAY 31	34.33	AUG. 25	42.89
DEC. 5	41.68	MAR. 5	33.06	JUNE 5	34.60H	AUG. 31	42.66
DEC. 10	43.19	MAR. 10	32.96	JUNE 10	34.72	SEP. 5	42.62
DEC. 15	43.11	MAR. 15	32.73	JUNE 15	34.76	SEP. 10	42.61
DEC. 20	39.27	MAR. 20	32.34	JUNE 20	34.92	SEP. 15	42.77
DEC. 25	38.68	MAR. 25	32.13	JUNE 25	35.12	SEP. 20	43.31
DEC. 31	41.63	MAR. 31	31.81	JUNE 30	35.19	SEP. 25	43.28
JAN. 5, 1986	41.37	APR. 3	30.68J	JULY 5	38.51	SEP. 30	43.53

See footnotes at end of table.

GROUND-WATER LEVELS

ST. CHARLES PARISH

295950090283001 LOCAL WELL NUMBER: SC-82

OWNER: LA. POWER & LIGHT CO. (SEC. 26, T. 12S., R. 20E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 373 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF HOLE IN 4-IN. CAP AT TOP OF 4-IN. CASING EXTENSION, 4.69 FT ABOVE LSD.
 LSD 12 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 17.63 BELOW LSD, MAY 21, 1979,
 LOWEST WATER LEVEL 36.34 BELOW LSD, NOV. 4, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1985	30.55	APR. 8, 1986	21.24	JULY 24, 1986	28.96		

ST. HELENA PARISH

304051090385401 LOCAL WELL NUMBER: SH-7

OWNER: ST. HELENA WATER SYSTEMS, INC. (SEC. 51, T. 4S., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,082 FT, SCREENED 2,052-2,082. MP HOLE IN SANITARY SEAL, 0.83 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 3, 1985.
 LSD 124 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 39.10 ABOVE LSD, MAR. 18, 1955,
 LOWEST WATER LEVEL 35.40 BELOW LSD, OCT. 3, 1985.
 RECORDS AVAILABLE 1955-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	35.40						

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: TWO-B RANCH. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,135 FT, SCREENED 2,106-2,135. MP 3/8-IN. HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.
 LSD 165 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.56 BELOW LSD, SEP. 13, 1960,
 LOWEST WATER LEVEL 83.94 BELOW LSD, APR. 9, 1985.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	81.89	APR. 16, 1986	82.48				

ST. JAMES PARISH

300449090520201 LOCAL WELL NUMBER: SJ-41

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., DEPTH 441 FT, SCREENED 399-441. MP TOP OF 8-IN. CASING COLLAR, 1.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER NOV. 24, 1985. WELL REPLACED BY SJ-203.
 LSD 17.8 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.07 BELOW LSD, MAY 18, 1979,
 LOWEST WATER LEVEL 15.65 BELOW LSD, OCT. 15, 1973.
 RECORDS AVAILABLE 1948, 1958-64, 1966-73, 1975-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1985	10.70						

ST. JAMES PARISH

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: RICHARD J. BRAZAN. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN. NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.
 LSD 18.3 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.79 BELOW LSD, MAY 21, 1979,
 LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1985	12.53	APR. 8, 1986	10.73				

300433090403701 LOCAL WELL NUMBER: SJ-186

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 11S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 230 FT, SCREENED 220-230. MP TOP OF 2-IN. CASING, 1.00 FT ABOVE LSD.
 LSD 4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.82 ABOVE LSD, MAY 9, 1979,
 LOWEST WATER LEVEL 8.61 BELOW LSD, NOV. 9, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1986	6.17	FEB. 20, 1986	3.50	APR. 3, 1986	2.86	JULY 24, 1986	5.73

300445090520301 LOCAL WELL NUMBER: SJ-203

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 444 FT, SCREENED 384-444. MP TOP OF CASING, 0.65 FT ABOVE LSD. WELL REPLACES SJ-41.
 LSD 19 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.80 BELOW LSD, FEB. 19, 1975,
 LOWEST WATER LEVEL 11.25 BELOW LSD, NOV. 24, 1985.
 RECORDS AVAILABLE 1975, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1975	6.80	NOV. 24, 1985	11.25	APR. 7, 1986	9.19		

ST. JOHN THE BAPTIST PARISH

300232090390405 LOCAL WELL NUMBER: SJB-144

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN OLDER DELTAIC DEPOSITS OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 170 FT, SCREENED 158-170. MP TOP OF 4-IN. CAP, 3.22 FT ABOVE LSD.
 LSD 17.75 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.15 ABOVE LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 15.37 BELOW LSD, DEC. 11, 1963.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1985	5.80	APR. 8, 1986	6.12				

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 315 FT, SCREENED 305-315. MP TOP OF 4-IN. CAP, 2.60 FT ABOVE LSD.
 LSD 17.71 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 25, 1985	14.82	APR. 8, 1986	12.75				

GROUND-WATER LEVELS

ST. JOHN THE BAPTIST PARISH

300310090281702 LOCAL WELL NUMBER: SJB-163B

OWNER: GUY REINE. (SEC. 30, T. 11S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 635 FT, SCREENED 625-635. MP TOP OF 2-IN. NIPPLE, 4.56 FT ABOVE LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973,
 LOWEST WATER LEVEL 23.87 BELOW LSD, SEP. 30, 1981.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1985	21.38	APR. 3, 1986	21.23				

ST. LANDRY PARISH

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN. PIPE, 4.00 FT ABOVE LSD.
 LSD 55.23 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,
 LOWEST WATER LEVEL 57.99 BELOW LSD, OCT. 17, 1984.
 RECORDS AVAILABLE 1958-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1985	57.55	FEB. 20, 1986	57.05	APR. 10, 1986	57.00	AUG. 5, 1986	56.95

303150092252101 LOCAL WELL NUMBER: SL-200

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIocene AGE, DIAM 2 IN., DEPTH 708 FT, SCREENED 703-708. MP TOP OF 2-IN. CASING, 0.40 FT ABOVE LSD.
 LSD 50.72 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 68.57 BELOW LSD, APR. 26, 1966,
 LOWEST WATER LEVEL 85.10 BELOW LSD, SEP. 23, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	80.32	FEB. 14, 1986	79.10	APR. 9, 1986	78.75	AUG. 4, 1986	80.10

ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 505 FT, SCREENED 500-505. MP TOP OF 2-IN. CASING, 2.72 FT ABOVE LSD.
 LSD 11.34 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973,
 LOWEST WATER LEVEL 8.54 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1985	5.23	FEB. 20, 1986	4.18	MAY 14, 1986	4.68	AUG. 5, 1986	5.98
DEC. 12	2.33	APR. 10	3.68				

ST. MARTIN PARISH

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN. CASING, 2.40 FT ABOVE LSD.
 LSD 11.34 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974,
 LOWEST WATER LEVEL 8.82 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1985	5.50	APR. 10, 1986	3.95	MAY 14, 1986	4.95	AUG. 5, 1986	6.20
FEB. 20, 1986	4.45						

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN. PIPE, 2.50 FT ABOVE LSD.
 LSD 8.72 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 15, 1965,
 LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.
 RECORDS AVAILABLE 1964-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1985	9.30						

294749091402302 LOCAL WELL NUMBER: SM-57L

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN., DEPTH 738 FT, SCREENED 728-738. MP TOP OF 1 1/2-IN. PIPE, 2.50 FT ABOVE LSD.
 LSD 8.72 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 7.54 BELOW LSD, AUG. 16, 1973,
 LOWEST WATER LEVEL 11.93 BELOW LSD, OCT. 22, 1970.
 RECORDS AVAILABLE 1964-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1985	10.30						

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LA. OFFICE OF STATE PARKS. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG BRANCH AQUIFER (ZONE 1) OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 1,525 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF 4-IN. TEE, 2.30 FT BELOW LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940,
 LOWEST WATER LEVEL 23.50 ABOVE LSD, JAN. 7, 1970.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+31.00	FEB. 20, 1986	+30.50	APR. 10, 1986	+28.50	AUG. 7, 1986	+29.30

See footnotes at end of table.

GROUND-WATER LEVELS

ST. TAMMANY PARISH

303529089550601 LOCAL WELL NUMBER: ST-16

OWNER: BOGALUSA TUNG OIL CO. (SEC. 29, T. 5S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,000 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF DISCHARGE PIPE, 4.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 10, 1985.
 LSD 78 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 38.10 ABOVE LSD, JULY 11, 1946,
 LOWEST WATER LEVEL 10.90 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1939-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	+14.00						

302852090010601 LOCAL WELL NUMBER: ST-545

OWNER: WILLIAM BAGLEY, SR. (SEC. 32, T. 6S., R. 12E.) DRILLED DOMESTIC ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 1/2 IN., REPORTED DEPTH 1,598 FT, SCREENED 1,548-1,598. MP TOP EDGE OF FOUNDATION OF SHOOTING GALLERY, 2.00 FT BELOW LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 10, 1985.
 LSD 35 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 97.00 ABOVE LSD, MAR. 11, 1953,
 LOWEST WATER LEVEL 44.00 ABOVE LSD, OCT. 10, 1985.
 RECORDS AVAILABLE 1953-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	+44.00						

302406090093101 LOCAL WELL NUMBER: ST-562

OWNER: TOWN OF MADISONVILLE. (SEC. 39, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,900 FT, SCREENED 1,840-1,900. MP CENTER LINE OF 4-IN. DISCHARGE LINE, 3.10 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 9, 1985.
 LSD 4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 119.20 ABOVE LSD, NOV. 17, 1961,
 LOWEST WATER LEVEL 69.60 ABOVE LSD, JULY 19, 1979.
 RECORDS AVAILABLE 1957-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+79.10						

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 10 IN., DEPTH 2,411 FT, SCREENED 2,262-2,411. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 3.50 FT ABOVE LSD.
 LSD 4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 54.50 ABOVE LSD, OCT. 9, 1985.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+54.50	FEB. 20, 1986	+60.70	APR. 10, 1986	+59.50	AUG. 7, 1986	+58.30

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 6S., R. 10E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 34 FT, SCREENED 32-34. MP TOP OF CASING, 2.30 FT ABOVE LSD.
 LSD 38 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 2.51 BELOW LSD, JAN. 11, 1972,
 LOWEST WATER LEVEL 9.48 BELOW LSD, DEC. 4, 1968.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	6.79	APR. 17, 1986	4.05				

See footnotes at end of table.

ST. TAMMANY PARISH

303159090110001 LOCAL WELL NUMBER: ST-652

OWNER: WILLIE CORE. (SEC. 15, T. 6S., R. 10E.) DRILLED RECREATION ARTESIAN WELL IN RAMSAY AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 10 IN., DEPTH 3,354 FT, SCREENED 3,269-3,354. MP CENTER LINE OF HORIZONTAL 10-IN. PIPE, 3.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 10, 1985.
 LSD 44 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 95.80 ABOVE LSD, MAY 2, 1969,
 LOWEST WATER LEVEL 67.20 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1969-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	+67.50						

301839089493801 LOCAL WELL NUMBER: ST-661

OWNER: ALBERT L. STONE. (SEC. 37, T. 8S., R. 14E.) DRILLED DOMESTIC ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 2,220 FT, SCREENED 2,200-2,220. MP CENTER OF 2-IN. DISCHARGE LINE, 1.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 9, 1985.
 LSD 16 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 87.45 ABOVE LSD, FEB. 20, 1969,
 LOWEST WATER LEVEL 52.20 ABOVE LSD, OCT. 9, 1985.
 RECORDS AVAILABLE 1969-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+52.20						

TANGIPAHOA PARISH

302606090263401 LOCAL WELL NUMBER: TA-7

OWNER: TOWN OF PONCHATOULA. (SEC. 18, T. 7S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., REPORTED DEPTH 654 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF TEE AT WELL, 0.73 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER FEB. 20, 1986.
 LSD 22 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 11.60 ABOVE LSD, AUG. 8, 1939, FEB. 3, 1942,
 LOWEST WATER LEVEL 1.42 ABOVE LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+1.77	FEB. 20, 1986	+2.26				

302549090222601 LOCAL WELL NUMBER: TA-242

OWNER: BYRON STEVENS. (SEC. 23, T. 7S., R. 8E.) DRILLED IRRIGATION ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 405 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN. TEE, 1.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 9, 1985.
 LSD 20 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.90 ABOVE LSD, APR. 3, 1947,
 LOWEST WATER LEVEL 7.30 ABOVE LSD, MAY 9, 1963.
 RECORDS AVAILABLE 1944-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+8.30						

303007090274801 LOCAL WELL NUMBER: TA-253

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,190 FT, SCREENED 2,070-2,190. MP TOP OF HORIZONTAL DISCHARGE PIPE, 2.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 4, 1985.
 LSD 35 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 106.03 ABOVE LSD, DEC. 16, 1952,
 LOWEST WATER LEVEL 58.50 ABOVE LSD, FEB. 8, 1985.
 RECORDS AVAILABLE 1952-63, 1965-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	+59.20						

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,013 FT, SCREENED 1,951-2,013. MP TOP OF 3/4-IN. VALVE, 3.65 FT ABOVE LSD.
 LSD 130.86 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,
 LOWEST WATER LEVEL 27.60 BELOW LSD, OCT. 5, 1983.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	24.56	FEB. 6, 1986	24.37	APR. 16, 1986	25.18	AUG. 4, 1986	24.92

303806090295903 LOCAL WELL NUMBER: TA-262

OWNER: TOWN OF INDEPENDENCE. (SEC. 10, T. 5S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 3 IN., DEPTH 2,316 FT, SCREENED 2,256-2,316. MP TOP OF 4-IN. TEE, 2.40 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 79.80 ABOVE LSD, JAN. 6, 1954,
 LOWEST WATER LEVEL 2.40 ABOVE LSD, JAN. 20, 1984.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	+3.42	APR. 16, 1986	+4.06				

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,449 FT, SCREENED 2,365-2,449. MP CENTER LINE OF SOUTH 6-IN. DISCHARGE LINE, 2.10 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 4, 1985.
 LSD 35 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 120.60 ABOVE LSD, JAN. 25, 1957,
 LOWEST WATER LEVEL 19.60 ABOVE LSD, OCT. 12, 1983.
 RECORDS AVAILABLE 1957-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	+20.10						

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 3 IN., DEPTH 2,329 FT, SCREENED 2,289-2,329. MP CENTER LINE OF TEE, 2.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 9, 1985.
 LSD 11 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,
 LOWEST WATER LEVEL 84.00 ABOVE LSD, APR. 5, 1985.
 RECORDS AVAILABLE 1960-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	+85.00						

305237090305101 LOCAL WELL NUMBER: TA-283

OWNER: VILLAGE OF TANGIPAHOA. (SEC. 60, T. 2S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 13 IN., DEPTH 1,457 FT, SCREENED 1,419-1,457. MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER FEB. 6, 1986.
 LSD 179 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 36.30 BELOW LSD, MAR. 23, 1971,
 LOWEST WATER LEVEL 77.10 BELOW LSD, FEB. 8, 1985.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	70.05	FEB. 6, 1986	62.95				

See footnotes at end of table.

TANGIPAHOA PARISH

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 5S., R. 8E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN., DEPTH 54 FT, SCREENED 52-54. MP TOP OF CASING, 3.15 FT ABOVE LSD.
 LSD 75 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.85 BELOW LSD, OCT. 29, 1980,
 LOWEST WATER LEVEL 18.76 BELOW LSD, DEC. 3, 1968.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1985	16.53	APR. 16, 1986	16.40				

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 1S., R. 7E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN., DEPTH 43 FT, SCREENED 40-43. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 16.65 BELOW LSD, APR. 28, 1980,
 LOWEST WATER LEVEL 25.03 BELOW LSD, DEC. 21, 1970.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	22.19	APR. 16, 1986	20.30				

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U. S. GEOL. SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 593-603. MP TOP OF 2-IN. GALV. PIPE, 2.15 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975,
 LOWEST WATER LEVEL 6.74 BELOW LSD, OCT. 12, 1982.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	5.93	APR. 16, 1986	6.20				

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E. R. McDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 110 FT, SCREENED 80-110. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 79.6 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 17.18 BELOW LSD, DEC. 18, 1956.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	13.06	SEP. 29, 1986	14.38				

314827091234001 LOCAL WELL NUMBER: TS-9

OWNER: CHICAGO MILL AND LUMBER CO. (SEC. 37, T. 10N., R. 10E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 102 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM OF 3/4-IN. HOLE ON SIDE OF CASING, 0.30 FT ABOVE LSD.
 LSD 65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.71 ABOVE LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 25.38 BELOW LSD, DEC. 18, 1956.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	10.68	MAR. 11, 1986	12.25	JULY 10, 1986	7.52	SEP. 4, 1986	18.76

GROUND-WATER LEVELS

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 745 FT, SCREENED 670-745. MP 3/4-IN. HOLE IN TOP OF WELL COVER, 1.90 FT ABOVE LSD.
 LSD 133.92 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,
 LOWEST WATER LEVEL 180.42 BELOW LSD, DEC. 10, 1981.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1985	178.30	MAR. 14, 1986	178.00	JUNE 26, 1986	178.11	SEP. 30, 1986	178.67

325028092113301 LOCAL WELL NUMBER: UN-78

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 727 FT, SCREENED 717-727. MP TOP OF CASING, 1.53 FT ABOVE LSD.
 LSD 175 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 178.85 BELOW LSD, MAR. 25, 1969,
 LOWEST WATER LEVEL 199.62 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	195.47	SEP. 30, 1986	199.62				

324955092084001 LOCAL WELL NUMBER: UN-79

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 749 FT, SCREENED 739-749. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
 LSD 118 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 134.31 BELOW LSD, MAY 13, 1969,
 LOWEST WATER LEVEL 149.48 BELOW LSD, MAR. 26, 1984.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	145.66	SEP. 30, 1986	147.34				

324917092242001 LOCAL WELL NUMBER: UN-80

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 710 FT, SCREENED 700-710. MP TOP OF CASING, 3.75 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 183.65 BELOW LSD, OCT. 8, 1968,
 LOWEST WATER LEVEL 223.91 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	221.67	MAR. 7, 1986	221.39	JUNE 20, 1986	221.79	SEP. 30, 1986	223.91

324917092242002 LOCAL WELL NUMBER: UN-81

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 495 FT, SCREENED 485-495. MP TOP OF CASING, 3.83 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 182.27 BELOW LSD, MAR. 2, 1970,
 LOWEST WATER LEVEL 225.96 BELOW LSD, MAR. 1, 1985.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1985	224.17	MAR. 7, 1986	224.57	JUNE 20, 1986	222.84	SEP. 30, 1986	223.04

325550092391601 LOCAL WELL NUMBER: UN-82

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 656 FT, SCREENED 646-656. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 122 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968,
 LOWEST WATER LEVEL 165.13 BELOW LSD, MAR. 10, 1986.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1985	163.03	MAR. 10, 1986	165.13	JUNE 20, 1986	165.03		

325550092391602 LOCAL WELL NUMBER: UN-83

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 326 FT, SCREENED 316-326. MP TOP OF CASING, 3.88 FT ABOVE LSD.
 LSD 122 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 111.29 BELOW LSD, OCT. 8, 1968,
 LOWEST WATER LEVEL 154.93 BELOW LSD, DEC. 4, 1980.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1985	153.51	MAR. 10, 1986	153.62	JUNE 20, 1986	154.82		

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968,
 LOWEST WATER LEVEL 230.44 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1986	229.27	SEP. 30, 1986	230.44				

325938092203901 LOCAL WELL NUMBER: UN-85

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 407 FT, SCREENED 397-407. MP TOP OF CASING, 2.90 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 179.06 BELOW LSD, OCT. 17, 1968,
 LOWEST WATER LEVEL 199.73 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	198.21	SEP. 30, 1986	199.73				

325929092114001 LOCAL WELL NUMBER: UN-86

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 1.58 FT ABOVE LSD.
 LSD 90 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 69.69 BELOW LSD, NOV. 12, 1968,
 LOWEST WATER LEVEL 92.27 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	91.22	SEP. 30, 1986	92.27				

GROUND-WATER LEVELS

UNION PARISH

325929092114002 LOCAL WELL NUMBER: UN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 283 FT, SCREENED 273-283. MP TOP OF CASING, 4.35 FT ABOVE LSD.
 LSD 90 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 24.38 BELOW LSD, DEC. 16, 1968,
 LOWEST WATER LEVEL 46.45 BELOW LSD, SEP. 30, 1986.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1986	45.09	SEP. 30, 1986	46.45				

323655092211701 LOCAL WELL NUMBER: UN-134

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 19N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 269.11 BELOW LSD, JUNE 14, 1979,
 LOWEST WATER LEVEL 286.35 BELOW LSD, SEP. 25, 1986.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1985	285.39	JAN. 24, 1986	284.92	MAY 2, 1986	284.30	AUG. 5, 1986	285.63
DEC. 10	285.03	MAR. 7	284.71	JUNE 26	284.82	SEP. 25	286.35

VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U. S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN., DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 305.27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961,
 LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.
 RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1985	182.95	DEC. 31, 1985	178.81	MAR. 25, 1986	181.09	JUNE 5, 1986	182.33
OCT. 10	183.76	JAN. 5, 1986	179.46	MAR. 31	181.60	JUNE 10	182.00
OCT. 15	182.93	JAN. 10	180.50	APR. 5	181.41	JUNE 15	182.70
OCT. 20	184.41J	JAN. 15	180.76	APR. 10	181.96	JUNE 20	183.44
OCT. 25	183.89	JAN. 20	179.73	APR. 15	181.21	JUNE 25	183.80
OCT. 31	183.30	JAN. 24	181.60H	APR. 20	180.84	JUNE 27	184.08J
NOV. 5	182.98	JAN. 25	181.64	APR. 25	180.55	JUNE 30	182.72
NOV. 10	181.42	JAN. 31	180.47	APR. 28	178.54J	JULY 5	182.27
NOV. 15	181.61	FEB. 5	179.96	APR. 30	179.56	JULY 10	182.61
NOV. 20	180.85	FEB. 10	179.71	MAY 5	179.51	JULY 15	182.90H
NOV. 25	180.47	FEB. 15	180.62	MAY 10	180.65	JULY 20	182.99
NOV. 30	180.55	FEB. 20	180.66	MAY 15	180.87	JULY 25	182.74
DEC. 2	180.44H	FEB. 25	180.60	MAY 19	180.65H	JULY 31	182.96
DEC. 5	180.51	FEB. 28	180.46	MAY 20	180.74	AUG. 5	183.33
DEC. 10	180.43	MAR. 5	180.20H	MAY 25	181.27	AUG. 10	183.33
DEC. 15	180.07	MAR. 10	179.95	MAY 26	180.31J	AUG. 12	182.97H
DEC. 20	179.92	MAR. 15	180.64	MAY 31	181.57	SEP. 5	186.59H
DEC. 25	178.85	MAR. 20	181.22				

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 121 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975,
 LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1985	12.28	MAR. 31, 1986	13.20	JULY 14, 1986	12.62	SEP. 4, 1986	13.48
JAN. 22, 1986	12.57	MAY 13	13.32				

See footnotes at end of table.

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.
 LSD 120 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.40 ABOVE LSD, MAY 25, 1976,
 LOWEST WATER LEVEL 23.20 ABOVE LSD, AUG. 24, 1982, NOV. 23, 1982, JAN. 22, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1985	+24.90	MAR. 31, 1986	+24.30	JULY 14, 1986	+25.30	SEP. 4, 1986	+25.10
JAN. 22, 1986	+23.20	MAY 13	+24.50				

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.
 LSD 160 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975,
 LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1985	38.41	MAR. 31, 1986	38.81	JULY 14, 1986	38.90	SEP. 4, 1986	40.04
JAN. 22, 1986	39.34	MAY 13	39.29				

311201093080203 LOCAL WELL NUMBER: V-425B

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,404 FT, SCREENED 1,394-1,404. MP TOP OF BUSHING, 3.90 FT ABOVE LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 164.66 BELOW LSD, JAN. 31, 1980,
 LOWEST WATER LEVEL 171.29 BELOW LSD, SEP. 5, 1986.
 RECORDS AVAILABLE 1968-75, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	170.25	MAR. 5, 1986	170.49	JULY 15, 1986	170.99	SEP. 5, 1986	171.29
JAN. 24, 1986	170.29	MAY 19	170.72				

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP TOP OF BUSHING, 2.60 FT ABOVE LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,
 LOWEST WATER LEVEL 137.30 BELOW LSD, SEP. 5, 1986.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	136.13	MAR. 5, 1986	136.46	JULY 15, 1986	137.02	SEP. 5, 1986	137.30
JAN. 24, 1986	135.52	MAY 19	136.77				

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP TOP OF BUSHING, 2.00 FT ABOVE LSD.
 LSD 290 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968,
 LOWEST WATER LEVEL 118.28 BELOW LSD, SEP. 5, 1986.
 RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1985	115.76	MAR. 5, 1986	116.28	JULY 15, 1986	117.07	SEP. 5, 1986	118.28
JAN. 24, 1986	115.31	MAY 19	116.90				

See footnotes at end of table.

GROUND-WATER LEVELS

VERNON PARISH

310708093100904 LOCAL WELL NUMBER: V-513

OWNER: U. S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,280 FT, SCREENED 1,172-1,222 AND 1,250-1,280. MP TOP OF PVC DROP PIPE, 2.60 FT ABOVE LSD. WELL REPLACES V-126. LSD 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 179.20 BELOW LSD, MAR. 12, 1986,
 LOWEST WATER LEVEL 240.58 BELOW LSD, JULY 10, 1985.
 RECORDS AVAILABLE 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 19, 1985	180.37	JULY 10, 1985	240.58A	JUNE 3, 1986	181.11	SEP. 10, 1986	182.80
JULY 9	180.28	MAR. 12, 1986	179.20				

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: CROWN ZELLERBACH. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN., DEPTH 156 FT, SCREENED 90-156. MP TOP EDGE OF RECORDER SHELTER SUBFLOOR, 1.30 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961,
 LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	15.28	APR. 8, 1986	13.85	AUG. 22, 1986	9.99		

304756089514401 LOCAL WELL NUMBER: WA-14

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 3S., R. 13E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 670 FT, SCREENED 580-670. MP TOP OF PUMP DISCHARGE LINE, 3.70 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER AUG. 22, 1986.
 LSD 105 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.70 ABOVE LSD, MAY 16, 1979,
 LOWEST WATER LEVEL 2.20 ABOVE LSD, OCT. 5, 1955.
 RECORDS AVAILABLE 1950-67, 1970-84, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 22, 1986	+19.50						

304613089513201 LOCAL WELL NUMBER: WA-15

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 769 FT, SCREENED 688-769. MP TOP OF PLUG IN 2-IN. TEE AT END OF 3-IN. DISCHARGE LINE, 1.50 FT ABOVE LSD.
 LSD 98 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 29.80 ABOVE LSD, APR. 18, 1950,
 LOWEST WATER LEVEL 5.46 ABOVE LSD, JULY 30, 1957.
 RECORDS AVAILABLE 1942, 1950-63, 1965-68, 1970-83, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 22, 1986	+21.00						

305036090092101 LOCAL WELL NUMBER: WA-18

OWNER: TOWN OF FRANKLINTON. (SEC. 46, T. 2S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 6 IN., DEPTH 788 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 6-IN. TEE, 1.20 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 7, 1985.
 LSD 150 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.80 ABOVE LSD, DEC. 21, 1942,
 LOWEST WATER LEVEL 17.10 ABOVE LSD, NOV. 9, 1955.
 RECORDS AVAILABLE 1942, 1949-62, 1965-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	+19.20						

See footnotes at end of table.

WASHINGTON PARISH

305124090093401 LOCAL WELL NUMBER: WA-57

OWNER: TOWN OF FRANKLINTON. (SEC. 45, T. 2S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN FRANKLINTON AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 12 IN., DEPTH 2,752 FT, SCREENED 2,614-2,678 AND 2,714-2,752. MP HOLE IN PLATE OVER CASING, 0.72 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 7, 1985.

LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 20.76 BELOW LSD, AUG. 26, 1957,

LOWEST WATER LEVEL 62.43 BELOW LSD, JAN. 17, 1984.

RECORDS AVAILABLE 1957-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	59.92						

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 1S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 600 FT, SCREENED 580-600. MP TOP OF 2-IN. CASING, 0.20 FT ABOVE LSD.

LSD 240 FT ABOVE NGVD.

HIGHEST WATER LEVEL 11.19 BELOW LSD, OCT. 30, 1980,

LOWEST WATER LEVEL 17.65 BELOW LSD, OCT. 6, 1982.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1985	17.15	APR. 16, 1986	17.42				

304709090121502 LOCAL WELL NUMBER: WA-103

OWNER: LSU SOUTHEAST EXPERIMENT STATION. (SEC. 16, T. 3S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 6 IN., DEPTH 170 FT, SCREENED 140-170. MP TOP OF FLANGE, 0.80 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 7, 1985.

LSD 225 FT ABOVE NGVD.

HIGHEST WATER LEVEL 64.69 BELOW LSD, SEP. 10, 1975,

LOWEST WATER LEVEL 73.26 BELOW LSD, APR. 5, 1983.

RECORDS AVAILABLE 1975-85.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	68.06						

304900089542601 LOCAL WELL NUMBER: WA-125

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,450 FT, SCREENED 1,440-1,450. MP TOP OF 2-IN. CASING, 0.40 FT ABOVE LSD.

LSD 150 FT ABOVE NGVD.

HIGHEST WATER LEVEL 66.46 BELOW LSD, APR. 3, 1978,

LOWEST WATER LEVEL 89.10 BELOW LSD, JAN. 22, 1982.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	71.38	APR. 8, 1986	76.06	AUG. 5, 1986	87.93	AUG. 27, 1986	86.10
FEB. 19, 1986	74.48						

WEBSTER PARISH

325752093271801 LOCAL WELL NUMBER: WB-27

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 23N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 18 TO 12 IN., DEPTH 311 FT, SCREENED 231-311. MP TOP OF CASING, 0.22 FT ABOVE LSD.

LSD 245 FT ABOVE NGVD.

HIGHEST WATER LEVEL 52.00 BELOW LSD, OCT. 7, 1937,

LOWEST WATER LEVEL 169.20 BELOW LSD, OCT. 18, 1947.

RECORDS AVAILABLE 1937, 1947-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1985	59.35	JAN. 23, 1986	55.54	MAY 8, 1986	54.96	AUG. 7, 1986	56.33
NOV. 27	56.52	MAR. 20	55.06	JUNE 23	55.49	SEP. 18	56.11

GROUND-WATER LEVELS

WEBSTER PARISH

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 89 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN. AIR LINE, 3.00 FT ABOVE LSD.
 LSD 218 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 18.99 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 36.18 BELOW LSD, SEP. 11, 1967.
 RECORDS AVAILABLE 1948-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1986	32.63						

323553093141101 LOCAL WELL NUMBER: WB-285

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 608 FT, SCREENED 598-608. MP HOLE IN CASING CAP, 3.85 FT ABOVE LSD.
 LSD 340 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 151.67 BELOW LSD, APR. 14, 1970,
 LOWEST WATER LEVEL 190.99 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1986	181.38						

325200093151701 LOCAL WELL NUMBER: WB-326

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 22N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 470 FT, SCREENED 460-470. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976,
 LOWEST WATER LEVEL 113.99 BELOW LSD, SEP. 18, 1986.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1985	112.78	MAR. 21, 1986	112.42	JUNE 26, 1986	113.37	SEP. 18, 1986	113.99

330040093190001 LOCAL WELL NUMBER: WB-338

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 23N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 425 FT, SCREENED 415-425. MP TOP OF CASING, 3.70 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 90.38 BELOW LSD, MAR. 15, 1977,
 LOWEST WATER LEVEL 100.06 BELOW LSD, DEC. 6, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1985	93.76	MAR. 21, 1986	93.15	JUNE 27, 1986	92.97	SEP. 18, 1986	93.64

324528093153501 LOCAL WELL NUMBER: WB-398

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 560 FT, SCREENED 550-560. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 88.48 BELOW LSD, SEP. 18, 1986,
 LOWEST WATER LEVEL 103.26 BELOW LSD, SEP. 25, 1984.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1985	99.86	MAR. 21, 1986	96.07	JUNE 26, 1986	89.38	SEP. 18, 1986	88.48

WEBSTER PARISH

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 298 FT, SCREENED 288-298. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 205 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 43.98 BELOW LSD, JUNE 26, 1986,
 LOWEST WATER LEVEL 46.34 BELOW LSD, NOV. 3, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1985	44.80	MAR. 21, 1986	44.12	JUNE 26, 1986	43.98	SEP. 18, 1986	44.47

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN., DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN. HOLE IN 8-IN. PLUG IN TEE ATOP CASING, 3.60 FT ABOVE LSD.
 LSD 27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943,
 LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.
 RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	81.95	JAN. 28, 1986	82.90	APR. 25, 1986	87.60	JULY 15, 1986	83.40
NOV. 9	81.00	FEB. 26	82.25	MAY 28	86.45	AUG. 1	84.50
JAN. 3, 1986	77.95	MAR. 26	84.30	JUNE 18	82.60	SEP. 2	81.70

302610091121101 LOCAL WELL NUMBER: WBR-36

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN., REPORTED DEPTH 1,360 FT, SCREENED 1,245-1,290 AND 1,305-1,360. MP TOP OF 3/4-IN. BREATHER PIPE IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
 LSD 29 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.90 BELOW LSD, FEB. 3, 1955,
 LOWEST WATER LEVEL 106.75 BELOW LSD, OCT. 1, 1969.
 RECORDS AVAILABLE 1955, 1962, 1967, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	74.60	APR. 20, 1986	74.85				

302613091121501 LOCAL WELL NUMBER: WBR-37

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN., DEPTH 1,356 FT, SCREENED 1,235-1,288, 1,318-1,335 AND 1,340-1,356. MP 1-IN. PLUG ATOP CASING, 0.50 FT ABOVE LSD.
 LSD 27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.93 BELOW LSD, FEB. 3, 1955,
 LOWEST WATER LEVEL 112.25 BELOW LSD, OCT. 18, 1974.
 RECORDS AVAILABLE 1955, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	68.15	APR. 20, 1986	92.40B				

See footnotes at end of table.

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH

302546091131402 LOCAL WELL NUMBER: WBR-97B

OWNER: MRS. HUGHES. (SEC. 70, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,200 FT, SCREENED 2,170-2,200. MP TOP EDGE OF 1/2-IN. HOLE IN CAP, 0.92 FT ABOVE LSD.
LSD 17 FT ABOVE NGVD.
HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964,
LOWEST WATER LEVEL 72.08 BELOW LSD, FEB. 20, 1985.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	57.58	MAR. 5, 1986	63.18	APR. 20, 1986	64.73	AUG. 18, 1986	66.58
DEC. 2	56.93						

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 29 FT ABOVE NGVD.
HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966,
LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	105.95	FEB. 26, 1986	101.50	AUG. 18, 1986	121.20	SEP. 2, 1986	122.45
DEC. 3	103.50	APR. 20	97.85				

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 29 FT ABOVE NGVD.
HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,
LOWEST WATER LEVEL 169.38 BELOW LSD, OCT. 23, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	126.25	FEB. 26, 1986	116.40	APR. 20, 1986	114.60	AUG. 18, 1986	121.25
DEC. 3	117.30						

302726091145501 LOCAL WELL NUMBER: WBR-101

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 91, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,367 FT, SCREENED 1,363-1,367. MP TOP OF 3/8-IN. HOLE IN CAP, 1.02 FT ABOVE LSD.
LSD 19 FT ABOVE NGVD.
HIGHEST WATER LEVEL 59.33 BELOW LSD, DEC. 2, 1985,
LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	61.33	FEB. 26, 1986	60.98	APR. 20, 1986	63.18	AUG. 21, 1986	61.88
DEC. 2	59.33						

302806091172601 LOCAL WELL NUMBER: WBR-102A

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,288 FT, SCREENED 1,284-1,288. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.35 FT ABOVE LSD.
LSD 18 FT ABOVE NGVD.
HIGHEST WATER LEVEL 43.16 BELOW LSD, MAY 6, 1966,
LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	48.75	APR. 20, 1986	48.25				

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.35 FT ABOVE LSD.
 LSD 18 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966,
 LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	142.45	APR. 20, 1986	132.30				

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,017 FT, SCREENED 2,012-2,017. MP TOP EDGE OF 3/4-IN. AIR LINE (REMOVE CASING EXTENSION), 2.08 FT ABOVE LSD.
 LSD 22 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,
 LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	215.22	FEB. 26, 1986	203.42	APR. 20, 1986	200.92	AUG. 21, 1986	204.72
NOV. 22	201.92						

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U. S. GEOL. SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF 2 1/2-IN. COLLAR, AT LSD.
 LSD 25 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979,
 LOWEST WATER LEVEL 20.40 BELOW LSD, JAN. 26, 1981.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	16.90	FEB. 26, 1986	1.45	APR. 20, 1986	5.60	AUG. 18, 1986	16.10

302559091122001 LOCAL WELL NUMBER: WBR-147

OWNER: U. S. GEOL. SURVEY. (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,292 FT, SCREENED 1,282-1,292. MP TOP OF 2 1/2-IN. COLLAR, 1.23 FT ABOVE LSD.
 LSD 27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 30.87 BELOW LSD, APR. 15, 1983,
 LOWEST WATER LEVEL 45.37 BELOW LSD, MAY 8, 1980.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	32.37	MAR. 5, 1986	31.27	APR. 20, 1986	31.87	AUG. 18, 1986	33.02
NOV. 20	32.77						

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN., DEPTH 1,304 FT, SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN. CASING, AT LSD.
 LSD 14 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.30 BELOW LSD, APR. 9, 1985,
 LOWEST WATER LEVEL 53.60 BELOW LSD, SEP. 8, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1985	42.85	MAR. 5, 1986	41.00	APR. 20, 1986	42.05	AUG. 18, 1986	41.90
DEC. 3	40.65						

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH

302958091124801 LOCAL WELL NUMBER: WBR-160

OWNER: WEST BATON ROUGE GAS AND WATER SYSTEM. (SEC. 50, T. 6S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 840 FT, SCREENED 830-840. MP 1/2-IN. HOLE IN TOP OF CAP, 2.40 FT ABOVE LSD.
LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980,
LOWEST WATER LEVEL 112.70 BELOW LSD, OCT. 9, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	85.35	MAR. 5, 1986	80.45	APR. 20, 1986	84.80	AUG. 18, 1986	78.30

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 650 FT, SCREENED 640-650. MP HOLE IN TOP OF CAP, 2.00 FT ABOVE LSD.
LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 35.00 BELOW LSD, APR. 9, 1985,
LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1985	41.90	MAR. 5, 1986	36.35	APR. 20, 1986	36.35	AUG. 18, 1986	41.55

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN., DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.
LSD 106.35 FT ABOVE NGVD.
HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,
LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.
RECORDS AVAILABLE 1955-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 29, 1986	31.17						

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LA. STATE PENITENTIARY. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 907 FT, SCREENED 847-907. MP (FLOWING CONDITIONS) TOP OF IRON COVER PLATE, 0.50 FT ABOVE LSD. MP (NONFLOWING CONDITIONS) TOP OF 3/4-IN. X 1 1/2-IN. BUSHING, 0.69 FT ABOVE LSD.
LSD 60 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,
LOWEST WATER LEVEL 9.98 BELOW LSD, OCT. 7, 1981.
RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1985	8.83	MAY 1, 1986	7.81				

WEST FELICIANA PARISH

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LA. STATE PENITENTIARY. (SEC. 24, T. 1S., R. 5W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 632 FT, SCREENED 549-632. MP TOP INSIDE EDGE OF 2-IN. ELBOW ATOP CASING, 2.85 FT ABOVE LSD.

LSD 50 FT ABOVE NGVD.

HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958,

LOWEST WATER LEVEL 7.28 BELOW LSD, OCT. 3, 1984.

RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1985	6.07	MAY 1, 1986	7.10				

304935091221001 LOCAL WELL NUMBER: WF-188

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 2S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN., DEPTH 55 FT, SCREENED 52-55. MP TOP OF 1 1/4-IN. CASING, 0.20 FT ABOVE LSD.

LSD 117 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.44 BELOW LSD, APR. 28, 1980,

LOWEST WATER LEVEL 16.68 BELOW LSD, JULY 9, 1963.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1985	13.58	MAY 1, 1986	14.05				

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 IN., DEPTH 1,526 FT, SCREENED 1,446-1,526. MP TOP EDGE OF UNION, 0.96 FT ABOVE LSD.

LSD 140 FT ABOVE NGVD.

HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,

LOWEST WATER LEVEL 133.95 BELOW LSD, JAN. 27, 1982.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1985	126.31	MAR. 6, 1986	112.80	MAY 1, 1986	122.84	AUG. 13, 1986	124.59

WINN PARISH

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFELD. (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN., DEPTH APPROXIMATELY 120 FT, SCREENED 100-120. MP TOP EDGE OF SHELTER FLOOR, 2.20 FT ABOVE LSD.

LSD 135 FT ABOVE NGVD.

HIGHEST WATER LEVEL 14.93 BELOW LSD, MAY 7, 1961,

LOWEST WATER LEVEL 30.32 BELOW LSD, DEC. 1, 1949.

RECORDS AVAILABLE 1949, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1985	17.26	MAR. 5, 1986	16.86	JUNE 19, 1986	16.83	SEP. 26, 1986	17.64

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFELD. (SEC. 24, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 583 FT, SCREENED 553-583. MP TOP OF CASING, AT LSD.

LSD 135 FT ABOVE NGVD.

HIGHEST WATER LEVEL 48.00 BELOW LSD, MAY 27, 1952,

LOWEST WATER LEVEL 85.05 BELOW LSD, JUNE 20, 1970.

RECORDS AVAILABLE 1952, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	69.97	JAN. 22, 1986	66.48	APR. 29, 1986	67.13	SEP. 26, 1986	64.99
DEC. 5	69.39	MAR. 5	67.40	AUG. 13	70.47		

GROUND-WATER LEVELS

WINN PARISH

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 28.50 BELOW LSD, MAR. 5, 1986,
 LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1986	28.50	SEP. 26, 1986	30.42				

320619092341601 LOCAL WELL NUMBER: W-156

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 13N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 829 FT, SCREENED 819-829. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 257 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 196.18 BELOW LSD, MAR. 25, 1976,
 LOWEST WATER LEVEL 204.06 BELOW LSD, JUNE 8, 1984.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1985	201.80	MAR. 4, 1986	200.90	JUNE 18, 1986	200.54	SEP. 26, 1986	201.23

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,
 LOWEST WATER LEVEL 85.68 BELOW LSD, SEP. 18, 1984.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1986	85.04	SEP. 26, 1986	85.37				

315338092400001 LOCAL WELL NUMBER: W-177

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 11N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 695 FT, SCREENED 685-695. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 185 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.42 BELOW LSD, APR. 15, 1985, JUNE 19, 1986,
 LOWEST WATER LEVEL 62.48 BELOW LSD, FEB. 21, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	55.77	JAN. 22, 1986	54.97	APR. 29, 1986	54.60	AUG. 4, 1986	55.05
DEC. 5	55.29	MAR. 5	54.65	JUNE 19	54.42	SEP. 26	55.23

320040092392101 LOCAL WELL NUMBER: W-178

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 598 FT, SCREENED 588-598. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 135 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 64.70 BELOW LSD, MAY 19, 1980,
 LOWEST WATER LEVEL 70.66 BELOW LSD, OCT. 13, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1985	69.13	JAN. 22, 1986	68.54	APR. 29, 1986	66.86	AUG. 4, 1986	66.39
DEC. 5	69.05	MAR. 5	68.08	JUNE 19	65.98	SEP. 26	67.03

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 195 FT ABOVE NGVD.

HIGHEST WATER LEVEL 102.52 BELOW LSD, MAR. 5, 1986,

LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1986	102.52	SEP. 26, 1986	102.91				

+ Above land-surface datum.

A Well being pumped.

B Well pumped recently.

C Nearby well or wells being pumped.

D Nearby well or wells pumped recently.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.

QUALITY OF GROUND WATER

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1985 TO SEPTEMBER 1986

[Additional information for wells may be found in the minor elements, pesticide analyses, or organic chemical analyses tables.]

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT ^{1/}	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM)	SPE-CIFIC CON-DUCT-ANCE, LAB (US/CM)	PH, FIELD (STAND-ARD UNITS)	PH, LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)
T.	R.	SEC.										
ACADIA PARISH												
AC- 452	10S	1W	34	300742092265901	112CHCTU	246	05-21-86	820	808	7.70	7.70	22.5
ALLEN PARISH												
AL- 120	3S	3W	3	304921092402202	121EVGL	910	09-05-86	322	311	8.40	8.60	24.5
ASCENSION PARISH												
AN- 267	9S	3E	16	301544090543901	112GZNO	488	04-28-86	292	299	7.70	8.10	24.0
AVOYELLES PARISH												
AV- 441	1N	3E	33	310117092100201	121EVGL	319	09-05-86	1140	1070	7.60	8.30	21.5
BEAUREGARD PARISH												
BE- 378	7S	8W	19	302553093135002	112CHCT	172	05-21-86	320	317	6.20	7.00	23.0
CADDO PARISH												
CD- 453	22N	16W	14	325331093585501	124WLCX	228	09-06-86	1260	1230	8.20	8.60	21.0
CALCASIEU PARISH												
CU- 771	10S	9W	5	301336093183002	11202LC	241	05-06-86	415	431	7.80	8.20	22.0
CAMERON PARISH												
CN- 92	12S	7W	12	300104093015601	112CHCTU	443	05-05-86	1710	1810	7.80	8.10	23.0
CONCORDIA PARISH												
CO- 164	8N	9E	23	313813091330302	112MRVA	136	09-04-86	898	758	7.20	7.90	23.0
DE SOTO PARISH												
DS- 363	13N	13W	9	320727093415801	124WLCX	280	09-06-86	925	930	8.20	8.70	21.0
EAST BATON ROUGE PARISH												
EB- 817	7S	1W	74	302644091101801	12220BR	2284	09-08-86	388	385	8.80	9.10	34.5
EB- 991B	7S	1E	24	302508091035402	11204BR	565	09-08-86	270	267	7.30	7.90	23.5
EB-1003	7S	2E	38	302635091022201	12112BR	1431	09-03-86	289	287	8.70	8.60	28.5
EB-1036	7S	1E	100	302520091041401	11204BR	549	09-08-86	260	256	7.00	7.80	23.0
EAST CARROLL PARISH												
EC- 233	21N	13E	18	324739091110201	124CCKF	371	09-05-86	957	846	7.40	8.00	21.5
EAST FELICIANA PARISH												
EF- 225	1S	1E	85	305803091061101	12101FP	444	05-08-86	80	86	6.30	6.70	21.0
EF- 277B	3S	2E	58	304853091032402	12203FP	2101	10-24-85	760	744	8.50	8.60	29.0

^{1/} See explanation of geologic unit (aquifer) at end of the partial chemical analyses table.^{2/} Total nitrate (NO₃), 1.4 mg/L.

WELL NO.	LOCATION			DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CAC03)	HARD-NESS, NONCARBONATE (MG/L AS CAC03)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CAC03)	ALKALINITY, LAB (MG/L AS CAC03)	SULFATE, DIS-SOLVED (MG/L AS SO4)
ACADIA PARISH--Continued														
AC- 452	10S	1W	34	05-21-86	10	170	0	45	13	110	2.7	369	363	1.0
ALLEN PARISH--Continued														
AL- 120	3S	3W	3	09-05-86	--	2	0	.6	.08	72	.4	153	151	7.0
ASCENSION PARISH--Continued														
AN- 267	9S	3E	16	04-28-86	1	38	0	9.5	3.4	50	1.3	139	140	4.2
AVOUELLES PARISH--Continued														
AV- 441	1N	3E	33	09-05-86	--	15	0	3.9	1.2	260	1.3	426	418	3.9
BEAUREGARD PARISH--Continued														
BE- 378	7S	8W	19	05-21-86	150	63	0	15	6.1	35	1.5	90	100	15
CADD0 PARISH--Continued														
CD- 453	22N	16W	14	09-06-86	--	20	0	6.0	1.3	260	2.3	312	313	27
CALCASIEU PARISH--Continued														
CU- 771	10S	9W	5	05-06-86	5	97	0	26	7.8	55	1.7	199	200	2.1
CAMERON PARISH--Continued														
CN- 92	12S	7W	12	05-05-86	5	190	0	53	14	290	3.1	273	269	.2
CONCORDIA PARISH--Continued														
CO- 164	8N	9E	23	09-04-86	--	410	0	110	33	19	3.9	442	415	5.0
DE SOTO PARISH--Continued														
DS- 363	13N	13W	9	09-06-86	--	2	0	.5	.1	220	.9	374	373	2.3
EAST BATON ROUGE PARISH--Continued														
EB- 817	7S	1W	74	09-08-86	--	2	0	.88	.06	88	.6	190	186	12
EB- 991B	7S	1E	24	09-08-86	--	10	0	2.4	.89	58	1.0	124	127	8.5
EB-1003	7S	2E	38	09-03-86	--	6	0	2.2	.1	66	.5	134	137	11
EB-1036	7S	1E	100	09-08-86	--	11	0	2.6	1.0	57	1.2	118	119	9.3
EAST CARROLL PARISH--Continued														
EC- 233	21N	13E	18	09-05-86	--	81	0	20	7.4	170	3.9	400	380	1.2
EAST FELICIANA PARISH--Continued														
EF- 225	1S	1E	85	05-08-86	5	22	0	5.9	1.7	8.2	2.2	29	34	1.0
EF- 277B	3S	2E	58	10-24-85	20	4	0	1.2	.2	180	1.1	390	414	6.2

WELL NO.	LOCATION T. R. SEC.			DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
ACADIA PARISH--Continued														
AC- 452	10S	1W	34	05-21-86	50	0.2	28	475	472	--	--	130	--	53
ALLEN PARISH--Continued														
AL- 120	3S	3W	3	09-05-86	4.3	.4	--	204	--	<0.10	--	7	--	2
ASCENSION PARISH--Continued														
AN- 267	9S	3E	16	04-28-86	7.8	.2	48	206	207	--	--	130	--	100
AVOYELLES PARISH--Continued														
AV- 441	1N	3E	33	09-05-86	120	1.8	--	685	--	<.10	--	89	1400	14
BEAUREGARD PARISH--Continued														
BE- 378	7S	8W	19	05-21-86	39	.3	61	219	240	--	--	3300	--	240
CADDO PARISH--Continued														
CD- 453	22N	16W	14	09-06-86	200	.6	--	787	--	<.10	40	14	30	14
CALCASIEU PARISH--Continued														
CU- 771	10S	9W	5	05-06-86	18	.1	22	254	253	--	--	54	--	54
CAMERON PARISH--Continued														
CN- 92	12S	7W	12	05-05-86	420	<.1	24	966	968	--	--	110	--	140
CONCORDIA PARISH--Continued														
CO- 164	8N	9E	23	09-04-86	7.8	.3	--	520	--	<.10	12000	11000	530	530
DE SOTO PARISH--Continued														
DS- 363	13N	13W	9	09-06-86	81	.5	--	600	--	<.10	20	14	10	2
EAST BATON ROUGE PARISH--Continued														
EB- 817	7S	1W	74	09-08-86	2.4	.3	--	272	--	<.10	--	7	--	11
EB- 991B	7S	1E	24	09-08-86	5.5	.1	--	205	--	<.10	--	70	--	43
EB-1003	7S	2E	38	09-03-86	3.6	.2	--	199	--	<.10	--	<3	--	29
EB-1036	7S	1E	100	09-08-86	3.9	.2	--	205	--	<.10	--	210	--	55
EAST CARROLL PARISH--Continued														
EC- 233	21N	13E	18	09-05-86	60	.6	--	540	--	<.10	80	29	40	27
EAST FELICIANA PARISH--Continued														
EF- 225	1S	1E	85	05-08-86	3.9	<.1	44	86	87	--	--	13	--	3
EF- 277B	3S	2E	58	10-24-85	2.4	1.2	13	476	441	<.10	--	140	--	40

< Actual value is known to be less than the value shown.

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE, FIELD (US/CM)	SPECIFIC CONDUCTANCE, LAB (US/CM)	PH, FIELD (STANDARD UNITS)	PH, LAB (STANDARD UNITS)	TEMPERATURE (DEG C)
EVANGELINE PARISH												
EV- 749	4S	1W	8	304316092300701	112CHCT	144	05-12-86	250	255	6.30	7.20	21.0
GRANT PARISH												
G- 432	7N	2W	17	313507092355601	112UPTC	158	09-04-86	42	48	6.20	6.60	23.0
LINCOLN PARISH												
L- 160	18N	3W	35	322951092382301	124SPRT	792	09-05-86	443	447	8.00	8.50	27.5
LIVINGSTON PARISH												
LI- 85	9S	5E	16	301532090430001	112SLBR	405	04-28-86	575	580	7.80	8.20	23.5
MADISON PARISH												
MA- 20	16N	12E	31	322357091110601	112MRVA	130	09-04-86	798	690	7.40	7.60	22.0
ORLEANS PARISH												
OR- 195	12S	12E	38	300054090012601	112GZNO	658	04-30-86	962	987	8.10	8.10	24.5
RAPIDES PARISH												
R-1210	2N	2W	19	310810092364304	122CRNB	2036	09-07-86	736	714	8.00	8.30	37.0
RICHLAND PARISH												
RI- 126	18N	9E	13	323308091294801	124CCKF	426	09-04-86	876	817	8.20	8.10	24.0
ST. LANDRY PARISH												
SL- 392	7S	4E	66	302455092032001	112CHCT	126	05-12-86	268	248	6.80	7.20	21.5
ST. MARTIN PARISH												
SMN- 109	9S	7E	36	301304091424002	112CHCTU	375	05-14-86	1140	1150	7.20	7.80	21.5
ST. MARY PARISH												
SM- 57U	14S	8E	27	294749091402301	112CHCTU	638	05-13-86	1140	1140	7.70	7.70	22.0
VERMILION PARISH												
VE- 650	13S	4E	37	295341092055401	112CHCT	205	05-09-86	495	501	6.90	7.40	22.0
VE- 862	12S	1W	6	300146092301901	112CHCTU	249	09-04-86	998	907	7.30	7.80	25.5
VERNON PARISH												
V- 420	1N	8W	20	310250093125703	122WMCK	920	09-06-86	331	311	6.70	7.50	29.0
V- 496	1N	8W	18	310412093134001	122CRNB	1415	09-06-86	413	398	7.50	7.90	29.5
WEBSTER PARISH												
WB- 413	19N	9W	28	323626093173201	124SPRT	240	09-05-86	145	130	5.60	7.10	21.5
WINN PARISH												
W- 165	11N	3W	13	315558092375501	124SPRT	456	09-06-86	560	571	8.50	8.80	23.0

^{1/} See explanation of geologic unit (aquifer) at end of the partial chemical analyses table.

WELL NO.	LOCATION			DATE OF SAMPLE	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CACO3)	ALKALINITY, LAB (MG/L AS CACO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)
EVANGELINE PARISH--Continued														
EV- 749	4S	1W	8	05-12-86	40	58	0	14	5.9	26	1.1	87	88	8.6
GRANT PARISH--Continued														
G- 432	7N	2W	17	09-04-86	--	6	0	1.4	.6	5.8	1.5	19	15	2.2
LINCOLN PARISH--Continued														
L- 160	18N	3W	35	09-05-86	--	2	0	.5	<.2	100	.8	172	171	13
LIVINGSTON PARISH--Continued														
LI- 85	9S	5E	16	04-28-86	1	59	0	15	5.3	94	1.4	132	133	3.5
MADISON PARISH--Continued														
MA- 20	16N	12E	31	09-04-86	--	350	0	96	27	25	2.7	364	377	10
ORLEANS PARISH--Continued														
OR- 195	12S	12E	38	04-30-86	150	17	0	4.1	1.7	220	2.9	384	378	15
RAPIDES PARISH--Continued														
R-1210	2N	2W	19	09-07-86	--	2	0	.6	.07	160	1.5	282	289	1.6
RICHLAND PARISH--Continued														
RI- 126	18N	9E	13	09-04-86	--	17	0	4.3	1.6	200	2.5	369	357	.9
ST. LANDRY PARISH--Continued														
SL- 392	7S	4E	66	05-12-86	50	96	0	25	7.6	10	1.5	--	116	6.8
ST. MARTIN PARISH--Continued														
SMN- 109	9S	7E	36	05-14-86	5	220	0	56	19	160	2.4	469	464	.6
ST. MARY PARISH--Continued														
SM- 57U	14S	8E	27	05-13-86	2	300	0	75	28	110	2.6	322	317	.8
VERMILION PARISH--Continued														
VE- 650	13S	4E	37	05-09-86	10	190	0	48	15	31	2.0	261	259	1.0
VE- 862	12S	1W	6	09-04-86	--	210	0	56	17	130	2.9	363	359	1.3
VERNON PARISH--Continued														
V- 420	1N	8W	20	09-06-86	--	48	0	18	.7	48	3.4	120	120	4.7
V- 496	1N	8W	18	09-06-86	--	85	0	33	.6	50	4.8	174	172	7.3
WEBSTER PARISH--Continued														
WB- 413	19N	9W	28	09-05-86	--	26	0	6.6	2.4	13	2.6	29	28	20
WINN PARISH--Continued														
W- 165	11N	3W	13	09-06-86	--	1	0	.3	.1	130	.7	257	254	13

WELL NO.	LOCATION			DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)
	T.	R.	SEC.											
EVANGELINE PARISH--Continued														
EV- 749	4S	1W	8	05-12-86	20	0.2	50	170	179	—	—	1800	—	7
GRANT PARISH--Continued														
G- 432	7N	2W	17	09-04-86	4.7	<.1	—	45	—	0.14	30	<3	10	3
LINCOLN PARISH--Continued														
L- 160	18N	3W	35	09-05-86	32	.3	—	308	—	<.10	100	66	<10	1
LIVINGSTON PARISH--Continued														
LI- 85	9S	5E	16	04-28-86	94	.2	45	337	337	—	—	100	—	130
MADISON PARISH--Continued														
MA- 20	16N	12E	31	09-04-86	11	.3	—	380	—	<.10	11000	11000	1400	1400
ORLEANS PARISH--Continued														
OR- 195	12S	12E	38	04-30-86	89	1.4	23	593	588	—	—	100	—	14
RAPIDES PARISH--Continued														
R-1210	2N	2W	19	09-07-86	54	1.2	—	488	—	<.10	—	15	—	1
RICHLAND PARISH--Continued														
RI- 126	18N	9E	13	09-04-86	63	.2	—	570	—	<.10	60	24	10	6
ST. LANDRY PARISH--Continued														
SL- 392	7S	4E	66	05-12-86	5.4	.2	43	165	179	—	—	9000	—	160
ST. MARTIN PARISH--Continued														
SMN- 109	9S	7E	36	05-14-86	100	.2	34	659	650	—	—	1000	—	80
ST. MARY PARISH--Continued														
SM- 57U	14S	8E	27	05-13-86	190	.2	23	609	619	—	—	70	—	110
VERMILION PARISH--Continued														
VE- 650	13S	4E	37	05-09-86	9.7	.2	36	292	309	—	—	2300	—	340
VE- 862	12S	1W	6	09-04-86	100	.2	—	595	—	<.10	—	240	—	64
VERNON PARISH--Continued														
V- 420	1N	8W	20	09-06-86	20	.1	—	268	—	.22	—	42	—	25
V- 496	1N	8W	18	09-06-86	20	.2	—	288	—	<.10	—	28	—	76
WEBSTER PARISH--Continued														
WB- 413	19N	9W	28	09-05-86	7.2	<.1	—	105	—	1.3	90	86	30	21
WINN PARISH--Continued														
W- 165	11N	3W	13	09-06-86	23	.5	—	380	—	<.10	30	23	10	2

PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1985 TO SEPTEMBER 1986

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPE-CIFIC CON-DUCTANCE, LAB (US/CM)	HARD-NESS (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)
T.	R.	SEC.										
ASCENSION PARISH												
AN- 371	10S	2E	11	301220091004202	112NORC	350	01-10-86	765	--	--	--	70
CALCASIEU PARISH												
CU- 615	10S	9W	4	301338093172801	11205LC	533	06-04-86	743	--	--	--	130
CU- 767	10S	8W	20	301036093124401	11207LC	850	01-29-86	2890	--	--	--	800
CU- 771	10S	9W	5	301336093183002	11202LC	241	06-10-86	2860	--	--	--	820
							12-20-85	423				17
CAMERON PARISH												
CN- 81U	12S	3W	11	300125092382503	112CHCTU	448	07-01-86	1530	--	--	--	350
CN- 88L	12S	8W	14	300055093093004	11205LC	804	05-07-86	2280	--	--	--	570
CN- 88U	12S	8W	14	300055093093003	11205LC	666	05-07-86	956	--	--	--	170
CN- 172	12S	8W	16	300101093112901	11205LC	700	05-07-86	1580	--	--	--	350
EAST BATON ROUGE PARISH												
EB- 151	7S	1E	82	302641091085801	12223BR	2658	01-16-86	356	--	--	--	3.1
EB- 413	7S	1E	81	302642091083201	12115BR	1745	01-16-86	321	--	--	--	4.0
EB- 434	7S	1W	49	302619091104003	11206BR	611	11-19-85	486	--	--	--	68
							09-16-86	468				67
EB- 500	7S	1W	46	302654091101101	11206BR	710	11-19-85	11200	--	--	--	4000
EB- 569	7S	1W	65	302312091111701	12115BR	2170	09-04-86	2150	--	--	--	500
EB- 621	7S	1E	39	302500091052501	12112BR	1487	01-23-86	518	--	--	--	62
EB- 733	7S	1E	81	302647091083301	12223BR	2637	01-16-86	341	--	--	--	5.0
EB- 750	6S	1W	75	303141091114801	12228BR	2643	01-16-86	702	--	--	--	52
EB- 771	7S	1E	81	302646091083801	12115BR	1739	01-16-86	316	--	--	--	4.3
EB- 778	7S	1E	94	302509091082701	12220BR	2586	11-26-85	1010	--	--	--	160
EB- 780A	7S	1E	94	302509091082702	12112BR	1622	11-26-85	2930	--	--	--	880
EB- 780B	7S	1E	94	302509091082703	12115BR	1913	11-26-85	1640	--	--	--	340
EB- 781	7S	1E	94	302535091090401	12220BR	2286	11-27-85	6780	--	--	--	2200
EB- 782A	7S	1E	94	302535091090402	12110BR	1189	11-26-85	1970	--	--	--	520
EB- 782B	7S	1E	94	302535091090403	12115BR	1681	11-26-85	2840	--	--	--	840
EB- 783A	7S	1W	54	302502091113601	12115BR	2179	12-06-85	606	--	--	--	86
EB- 783B	7S	1W	54	302502091113602	12220BR	2675	12-06-85	3360	--	--	--	800
EB- 789A	7S	1E	93	302511091070401	11204BR	711	12-19-85	1280	--	--	--	300
EB- 789B	7S	1E	93	302511091070402	12115BR	1721	12-19-85	4720	--	--	--	1500
EB- 792B	7S	1E	95	302605091080602	12220BR	2286	12-05-85	376	--	--	--	3.0
EB- 793	7S	1W	71	302719091103201	11206BR	687	12-11-85	297	--	--	--	3.2
EB- 798	6S	1W	39	303133091103101	12228BR	2647	01-23-86	911	--	--	--	130
EB- 803A	8S	2E	5	302306091022601	12115BR	1975	11-15-85	780	--	--	--	69
EB- 803B	8S	2E	5	302306091022602	12220BR	2565	11-14-85	2120	--	--	--	540
EB- 804A	7S	1E	70	302428091035001	12117BR	1950	09-04-86	2150	--	--	--	560
				302428091035002	12224BR	2762	11-18-85	380				4.4
				302428091035003	12110BR	1072	11-18-85	406				3.1
				302702091103902	12224BR	2579	11-18-85	18000				7000
EB- 806B	7S	1W	72	302702091103902	12224BR	2579	11-18-85	357	--	--	--	6.2
EB- 807A	7S	1E	96	302611091091201	12115BR	1713	11-25-85	6750	--	--	--	2300
EB- 807B	7S	1E	96	302611091091202	12220BR	2264	11-25-85	394	--	--	--	11
EB- 815	7S	1E	52	302425091062301	11204BR	645	06-03-86	394	--	--	--	29
EB- 822	7S	1W	54	302510091105003	11204BR	573	12-05-85	2890	--	--	--	840
EB- 870	7S	1W	44	302729091100601	11206BR	692	11-18-85	292	--	--	--	3.2
EB- 917	7S	1E	95	302614091083001	12115BR	1736	09-16-86	289	--	--	--	2.9
							12-04-85	303				4.6
							12-09-85	319				3.8
EB- 918	7S	1E	91	302547091074401	12115BR	1834	12-09-85	319	--	--	--	3.8
EB-1000	6S	1W	69	303251091115001	12228BR	2926	12-09-85	834	--	--	--	99

^{1/} — See explanation of geologic unit (aquifer) at end of table.

WELL NO.	LOCATION T. R. SEC.			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE, LAB (US/CM)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	CHLORIDE, DISSOLVED (MG/L AS Cl)
FRANKLIN PARISH												
FR- 49	14N	7E	26	321008091431701	112MRVA	80	05-06-86	2/ 21400	—	—	—	250
FR- 347	14N	7E	26	321014091431701	112MRVA	82	05-06-86	2/ 840	—	—	—	110
FR- 367	14N	7E	26	321021091432401	112MRVA	90	05-06-86	2/ 740	—	—	—	94
FR- 368	14N	7E	26	321011091431701	112MRVA	79	05-06-86	— 1200	—	—	—	220
JEFFERSON PARISH												
JF- 160	13S	22E	26	295518090112301	112GZNO	836	3/ 01-01-86 09-24-86	2910 2960	— —	— —	— —	740 740
LIVINGSTON PARISH												
LI- 223	6S	5E	31	302906090444701	112SLBR	255	4/ 10-21-85	2/182	—	—	—	—
ORLEANS PARISH												
OR- 61	12S	12E	38	300055090013101	112GZNO	653	5/ 01-07-86	985	—	—	—	40
OR- 130	12S	12E		295738090021001	112GZNO	736	— 01-06-86	1770	—	—	—	340
OR- 179	10S	15E	19	300959089441901	120ABIT	2434	6/ 01-07-86	641	—	—	—	7.0
OR- 203	11S	13E	30	300349089562401	112GZNO	453	— 12-10-85	1710	—	—	—	360
RICHLAND PARISH												
RI- 112	17N	9E	24	322623091294901	112MRVA	67	05-06-86	2/ 21400	360	93	31	300
RI- 114	17N	9E	24	322636091295702	112MRVA	66	05-06-86	2/ 890	270	70	24	160
RI- 124	17N	9E	25	322605091301101	112MRVA	84	05-06-86	2/ 1250	530	130	48	180
RI- 260	17N	9E	26	322605091303501	112MRVA	70	05-06-86	— 1420	550	130	55	250
ST. CHARLES PARISH												
SC- 51	12S	8E	6	300043090241201	112NORC	413	01-06-86	1330	—	—	—	190
SC- 159	12S	20E	23	295926090273101	112NORC	440	01-09-86 09-24-86	1570 1500	— —	— —	— —	220 220
ST. JAMES PARISH												
SJ- 5	12S	16E	9	295938090504501	112GRMC	345	01-09-86	707	—	—	—	52
SJ- 86	12S	17E	20	300024090433501	112GRMC	290	01-30-86	1020	—	—	—	48
SJ- 203	11S	3E	38	300445090520301	112NORC	444	09-24-86	1110	—	—	—	100
SJ- 206	11S	5E	190	300325090394701	112GRMC	244	01-06-86	843	—	—	—	130
ST. MARTIN PARISH												
SMN- 108	9S	7E	36	301304091424001	112CHCTU	505	12-12-85	1840	—	—	—	310
ST. MARY PARISH												
SM- 57U	14S	8E	27	294749091402301	112CHCTU	638	12-13-85	1150	—	—	—	190
VERMILION PARISH												
VE- 629L	14S	1E	23	294825092202005	112CHCTU	487	06-17-86	1330	—	—	—	250
VE- 630U	14S	1E	10	295031092203202	112CHCTU	498	12-18-85	1060	—	—	—	140
							07-01-86	1050	—	—	—	140
VE- 639	16S	1W	2	293845092264901	112CHCTS	608	12-18-85	1480	—	—	—	310
							06-17-86	1510	—	—	—	310

1/ See explanation of geologic unit (aquifer) at end of table.

2/ Field measurement.

3/ Color, 80 platinum-cobalt units.

4/ Field pH, 6.90; field alkalinity, 92 mg/L.

5/ Color, 120 platinum-cobalt units.

6/ Color, 40 platinum-cobalt units.

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE, LAB (US/CM)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
	T.	R.	SEC.									
WEST BATON ROUGE PARISH												
WBR- 35	7S	12E	68	302657091124201	12112BR	1290	01-10-86	304	--	--	--	3.0
							09-29-86	305	--	--	--	2.0
WBR- 36	7S	12E	69	302610091121101	12112BR	1360	01-03-86	995	--	--	--	210
							09-05-86	1010	--	--	--	200
WBR- 37	7S	12E	69	302613091121501	12112BR	1356	01-03-86	983	--	--	--	190
							09-05-86	973	--	--	--	200
WBR- 97B	7S	12E	70	302546091131402	12115BR	2200	12-02-85	607	--	--	--	36
							09-15-86	474	--	--	--	44
WBR- 100A	7S	12E	68	302652091121401	12117BR	1888	12-03-85	278	--	--	--	3.4
WBR- 100B	7S	12E	68	302652091121402	12224BR	2448	12-03-85	359	--	--	--	2.6
WBR- 101	7S	12E	91	302726091145501	12112BR	1367	12-02-85	315	--	--	--	4.0
WBR- 112	7S	12E	70	302550091124102	12115BR	2205	11-21-85	585	--	--	--	70
							09-30-86	558	--	--	--	62
WBR- 113	7S	12E	70	302547091123201	12115BR	2242	11-21-85	940	--	--	--	150
							09-12-86	934	--	--	--	150
WBR- 137	7S	12E	93	302657091142101	12112BR	1330	01-03-86	288	--	--	--	4.2
							09-11-86	281	--	--	--	3.3
WBR- 147	7S	12E	70	302559091122001	12110BR	1292	11-22-85	2860	--	--	--	800
							09-12-86	2870	--	--	--	800
WBR- 148	7S	11E	23	302702091185101	12112BR	1304	12-03-85	358	--	--	--	6.0

^{1/}—GEOLOGIC UNIT (AQUIFER):

- 112CHCT- Chicot aquifer, Pleistocene age.
- 112CHCTS- Chicot aquifer, shallow sand unit, Pleistocene age.
- 112CHCTU- Chicot aquifer, upper sand unit, Pleistocene age.
- 112GRMC- Gramercy aquifer, Pleistocene age.
- 112GZNO- Gonzales-New Orleans aquifer, Pleistocene age.
- 112MRVA- Mississippi River alluvial aquifer, Pleistocene age.
- 112NORC- Norco aquifer, Pleistocene age.
- 112SLBR- Shallow sands of Baton Rouge area, Pleistocene age.
- 112UPTC- Upland terrace deposits, Pleistocene age.
- 11202LC- "200-foot" sand of Lake Charles area, Pleistocene age.
- 11204BR- "400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
- 11205LC- "500-foot" sand of Lake Charles area, Pleistocene age.
- 11206BR- "600-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
- 11207LC- "700-foot" sand of Lake Charles area, Pleistocene age.
- 120ABIT- Abita aquifer, Pliocene age.
- 121EVGL- Evangeline aquifer, Pliocene-Miocene age.
- 12101FP- Zone 1 Florida Parishes and Pointe Coupee Parish, Pliocene age.
- 12110BR- "1,000-foot" sand of Baton Rouge area, Pliocene age.
- 12112BR- "1,200-foot" sand of Baton Rouge area, Pliocene age.
- 12115BR- "1,500-foot" sand of Baton Rouge area, Pliocene age.
- 12117BR- "1,700-foot" sand of Baton Rouge area, Pliocene age.
- 122CRNB- Carnahan Bayou Member of Fleming Formation, Miocene age.
- 122WMCK- Williamson Creek Member of Fleming Formation, Miocene age.
- 12203FP- Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.
- 12220BR- "2,000-foot" sand of Baton Rouge area, Miocene age.
- 12223BR- "2,000-foot" and "2,400-foot" sands of Baton Rouge area, Miocene age.
- 12224BR- "2,400-foot" sand of Baton Rouge area, Miocene age.
- 12228BR- "2,800-foot" sand of Baton Rouge area, Miocene age.
- 124CCKF- Cockfield Formation, Eocene age.
- 124SPRT- Sparta sand, Eocene age.
- 124WLCX- Wilcox Group, Eocene age.

QUALITY OF GROUND WATER

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MINOR ELEMENTS FOR MONITOR WELLS, OCTOBER 1985 TO SEPTEMBER 1986

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC, DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)
T.	R.	SEC.							
ACADIA PARISH									
AC- 452	10S	1W	34	300742092265901	05-21-86	<10	---	<1	600
ALLEN PARISH									
AL- 120	3S	3W	3	304921092402202	09-05-86	<10	<1	<1	---
ASCENSION PARISH									
AN- 267	9S	3E	16	301544090543901	04-28-86	20	---	<1	---
AVOYELLES PARISH									
AV- 441	1N	3E	33	310117092100201	09-05-86	<10	<1	<1	---
BEAUREGARD PARISH									
BE- 378	7S	8W	19	302553093135002	05-21-86	<10	---	2	200
CADD0 PARISH									
CD- 453	22N	16W	14	325331093585501	09-06-86	50	<1	<1	---
CALCASIEU PARISH									
CU- 771	10S	9W	5	301336093183002	05-06-86	<10	---	<1	200
CAMERON PARISH									
CN- 92	12S	7W	12	300104093015601	05-05-86	<10	---	<1	1200
CONCORDIA PARISH									
CO- 164	8N	9E	23	313813091330302	09-04-86	<10	<1	<1	---
DE SOTO PARISH									
DS- 363	13N	13W	9	320727093415801	09-06-86	<10	<1	<1	---
EAST BATON ROUGE PARISH									
EB- 817	7S	1W	74	302644091101801	09-08-86	10	<1	<1	---
EB- 991B	7S	1E	24	302508091035402	09-08-86	<10	<1	1	---
EB-1003	7S	2E	38	302635091022201	09-03-86	<10	<1	<1	---
EB-1036	7S	1E	100	302520091041401	09-08-86	<10	<1	1	---
EAST CARROLL PARISH									
EC- 233	21N	13E	18	324739091110201	09-05-86	<10	<1	<1	---
EAST FELICIANA PARISH									
EF- 225	1S	1E	85	305803091061101	a/05-08-86	<10	---	1	100
EF- 227B	3S	2E	58	304853091032402	--- 10-24-85	---	---	1	---

a/ Dissolved cobalt (Co), 1 ug/L; dissolved lithium (Li), 11 ug/L; dissolved strontium (Sr), 15 ug/L; total organic carbon (C), 2.3 mg/L.

< Actual value is known to be less than the value shown.

WELL NO.	LOCATION			DATE OF SAMPLE	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, HEXA-VALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)
ACADIA PARISH--Continued											
AC- 452	10S	1W	34	05-21-86	600	—	<1	<1	<1	2	1
ALLEN PARISH--Continued											
AL- 120	3S	3W	3	09-05-86	10	<0.5	<1	<10	—	1	<5
ASCENSION PARISH--Continued											
AN- 267	9S	3E	16	04-28-86	100	—	<1	<1	<1	<1	<1
AVOYELLES PARISH--Continued											
AV- 441	1N	3E	33	09-05-86	52	.7	1	<10	—	2	<5
BEAUREGARD PARISH--Continued											
BE- 378	7S	8W	19	05-21-86	200	—	<1	1	<1	5	1
CADDO PARISH--Continued											
CD- 453	22N	16W	14	09-06-86	46	1	3	<10	—	<1	<5
CALCASIEU PARISH--Continued											
CU- 771	10S	9W	5	05-06-86	300	—	<1	<1	<1	2	<1
CAMERON PARISH--Continued											
CN- 92	12S	7W	12	05-05-86	1100	—	<1	<1	<1	1	<1
CONCORDIA PARISH--Continued											
CO- 164	8N	9E	23	09-04-86	540	.9	<1	<10	—	3	<5
DE SOTO PARISH--Continued											
DS- 363	13N	13W	9	09-06-86	9	1	<1	<10	—	<1	<5
EAST BATON ROUGE PARISH--Continued											
EB- 817	7S	1W	74	09-08-86	8	<.5	<1	<10	—	1	<5
EB- 991B	7S	1E	24	09-08-86	27	<.5	<1	<10	—	1	<5
EB-1003	7S	2E	38	09-03-86	17	<.5	<1	<10	—	2	<5
EB-1036	7S	1E	100	09-08-86	34	<.5	<1	<10	—	3	<5
EAST CARROLL PARISH--Continued											
EC- 233	21N	13E	18	09-05-86	190	.9	<1	<10	—	<1	<5
EAST FELICIANA PARISH--Continued											
EF- 225	1S	1E	85	05-08-86	100	—	<1	<1	<1	8	1
EF- 227B	3S	2E	58	10-24-85	8	—	<1	<10	—	2	3

WELL NO.	LOCATION			DATE OF SAMPLE	MERCURY, DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC, DIS-SOLVED (MG/L AS C)	CYANIDE, DIS-SOLVED (MG/L AS CN)
ACADIA PARISH--Continued											
AC- 452	10S	1W	34	05-21-86	<0.1	1	<1	<1	10	1.5	<0.01
ALLEN PARISH--Continued											
AL- 120	3S	3W	3	09-05-86	<.1	2	<1	<1	<3	.9	<.01
ASCENSION PARISH--Continued											
AN- 267	9S	3E	16	04-28-86	<.1	<1	<1	<1	<10	1.3	<.01
AVOYELLES PARISH--Continued											
AV- 441	1N	3E	33	09-05-86	<.1	1	<1	<1	<3	2.4	<.01
BEAUREGARD PARISH--Continued											
BE- 378	7S	8W	19	05-21-86	<.1	1	<1	<1	30	1.0	<.01
CADD0 PARISH--Continued											
CD- 453	22N	16W	14	09-06-86	<.1	1	<1	<1	4	2.4	<.01
CALCASIEU PARISH--Continued											
CU- 771	10S	9W	5	05-06-86	<.1	2	<1	<1	20	1.0	<.01
CAMERON PARISH--Continued											
CN- 92	12S	7W	12	05-05-86	<.1	9	<1	<1	100	1.0	<.01
CONCORDIA PARISH--Continued											
CO- 164	8N	9E	23	09-04-86	<.1	<1	<1	<1	5	3.2	<.01
DE SOTO PARISH--Continued											
DS- 363	13N	13W	9	09-06-86	<.1	1	<1	<1	4	1.9	<.01
EAST BATON ROUGE PARISH--Continued											
EB- 817	7S	1W	74	09-08-86	<.1	1	<1	<1	4	1.4	<.01
EB- 991B	7S	1E	24	09-08-86	.1	1	<1	<1	4	.4	<.01
EB-1003	7S	2E	38	09-03-86	<.1	1	<1	<1	4	.4	<.01
EB-1036	7S	1E	100	09-08-86	<.1	2	<1	<1	7	.6	<.01
EAST CARROLL PARISH--Continued											
EC- 233	21N	13E	18	09-05-86	<.1	1	<1	<1	3	2.4	<.01
EAST FELICIANA PARISH--Continued											
EF- 225	1S	1E	85	05-08-86	<.1	<1	--	--	<10	.8	<.01
EF- 227B	3S	2E	58	10-24-85	<.1	--	<1	--	<3	2.6	--

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC, DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)
T.	R.	SEC.							
EVANGELINE PARISH									
EV- 749	4S	1W	8	304316092300701	05-12-86	<10	—	4	100
GRANT PARISH									
G- 432	7N	2W	17	313507092355601	09-04-86	<10	<1	<1	—
LINCOLN PARISH									
L- 160	18N	3W	35	322951092382301	09-05-86	10	<1	<1	—
LIVINGSTON PARISH									
LI- 85	9S	5E	16	301532090430001	04-28-86	<10	—	<1	—
MADISON PARISH									
MA- 20	16N	12E	31	322357091110601	^{a/} 09-04-86	<10	<1	18	—
ORLEANS PARISH									
OR- 195	12S	12E	38	300054090012601	04-30-86	<10	—	<1	100
RAPIDES PARISH									
R-1210	2N	2W	19	310810092364304	09-07-86	<10	<1	<1	—
RICHLAND PARISH									
RI- 126	18N	9E	13	323308091294801	09-04-86	<10	<1	<1	—
ST. LANDRY PARISH									
SL- 392	7S	4E	66	302455092032001	05-12-86	<10	—	<1	200
ST. MARTIN PARISH									
SMN- 109	9S	7E	36	301304091424002	05-14-86	<10	—	<1	1000
ST. MARY PARISH									
SM- 57U	14S	8E	27	294749091402301	05-13-86	<10	—	<1	500
VERMILION PARISH									
VE- 650	13S	4E	37	295341092055401	05-09-86	<10	—	3	200
VE- 862	12S	1W	6	300146092301901	09-04-86	<10	<1	<1	--
VERNON PARISH									
V- 420	1N	8W	20	310250093125703	09-06-86	<10	<1	<1	--
V- 496	1N	8W	18	310412093134001	09-06-86	<10	<1	<1	—
WEBSTER PARISH									
WB- 416	19N	9W	28	323626093173201	09-05-86	10	<1	<1	—
WINN PARISH									
W- 165	11N	3W	13	315558092375501	09-06-86	10	<1	<1	—

^{a/} — Total organic carbon (C), 1.7 mg/L.

WELL NO.	LOCATION			DATE OF SAMPLE	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, HEXA-VALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)
EVANGELINE PARISH--Continued											
EV- 749	4S	1W	8	05-12-86	100	—	<1	<1	<1	1	<1
GRANT PARISH--Continued											
G- 432	7N	2W	17	09-04-86	38	1	<1	<10	—	4	<5
LINCOLN PARISH--Continued											
L- 160	18N	3W	35	09-05-86	7	.9	<1	<10	—	2	<5
LIVINGSTON PARISH--Continued											
LI- 85	9S	5E	16	04-28-86	200	—	<1	<1	<1	1	<1
MADISON PARISH--Continued											
MA- 20	16N	12E	31	09-04-86	450	.9	1	<10	—	3	<5
ORLEANS PARISH--Continued											
OR- 195	12S	12E	38	04-30-86	100	—	<1	<1	<1	1	2
RAPIDES PARISH--Continued											
R-1210	2N	2W	19	09-07-86	9	<.5	<1	<10	—	2	<5
RICHLAND PARISH--Continued											
RI- 126	18N	9E	13	09-04-86	57	<.5	<1	<10	—	3	<5
ST. LANDRY PARISH--Continued											
SL- 392	7S	4E	66	05-12-86	200	—	<1	<1	<1	<1	<1
ST. MARTIN PARISH--Continued											
SMN- 109	9S	7E	36	05-14-86	700	—	<1	<1	<1	3	2
ST. MARY PARISH--Continued											
SM- 57U	14S	8E	27	05-13-86	500	—	<1	<1	<1	1	<1
VERMILION PARISH--Continued											
VE- 650	13S	4E	37	05-09-86	200	—	1	<1	<1	4	2
VE- 862	12S	1W	6	09-04-86	790	<.5	<1	<10	—	1	<5
VERNON PARISH--Continued											
V- 420	1N	8W	20	09-06-86	77	<.5	<1	<10	—	5	<5
V- 496	1N	8W	18	09-06-86	110	<.5	<1	<10	—	1	<5
WEBSTER PARISH--Continued											
WB- 416	19N	9W	28	09-05-86	140	<.5	<1	<10	—	2	<5
WINN PARISH--Continued											
W- 165	11N	3W	13	09-06-86	7	.9	<1	<10	—	2	<5

WELL NO.	LOCATION			DATE OF SAMPLE	MERCURY, DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC, DIS-SOLVED (MG/L AS C)	CYANIDE, DIS-SOLVED (MG/L AS CN)
EVANGELINE PARISH--Continued											
EV- 749	4S	1W	8	05-12-86	<0.1	1	<1	<1	30	0.5	<0.01
GRANT PARISH--Continued											
G- 432	7N	2W	17	09-04-86	<.1	2	1	<1	17	.2	<.01
LINCOLN PARISH--Continued											
L- 160	18N	3W	35	09-05-86	<.1	2	<1	<1	3	1.3	<.01
LIVINGSTON PARISH--Continued											
LI- 85	9S	5E	16	04-28-86	<.1	<1	<1	<1	<10	.8	<.01
MADISON PARISH--Continued											
MA- 20	16N	12E	31	09-04-86	<.1	2	<1	<1	9	1.7	<.01
ORLEANS PARISH--Continued											
OR- 195	12S	12E	38	04-30-86	<.1	<1	<1	<1	30	7.6	<.01
RAPIDES PARISH--Continued											
R-1210	2N	2W	19	09-07-86	<.1	1	<1	<1	<3	.6	<.01
RICHLAND PARISH--Continued											
RI- 126	18N	9E	13	09-04-86	<.1	2	<1	<1	12	1.2	<.01
ST. LANDRY PARISH--Continued											
SL- 392	7S	4E	66	05-12-86	<.1	1	<1	<1	<10	.7	<.01
ST. MARTIN PARISH--Continued											
SMN- 109	9S	7E	36	05-14-86	<.1	1	<1	<1	820	2.2	<.01
ST. MARY PARISH--Continued											
SM- 57U	14S	8E	27	05-13-86	<.1	<1	--	<1	1500	1.1	<.01
VERMILION PARISH--Continued											
VE- 650	13S	4E	37	05-09-86	<.1	2	<1	<1	740	2.0	<.01
VE- 862	12S	1W	6	09-04-86	<.1	1	<1	<1	3	1.5	<.01
VERNON PARISH--Continued											
V- 420	1N	8W	20	09-06-86	<.1	3	<1	<1	11	.3	<.01
V- 496	1N	8W	18	09-06-86	<.1	2	<1	<1	7	1.3	<.01
WEBSTER PARISH--Continued											
WB- 416	19N	9W	28	09-05-86	<.1	3	<1	<1	9	.8	<.01
WINN PARISH--Continued											
W- 165	11N	3W	13	09-06-86	<.1	1	<1	<1	<3	2.9	<.01

PESTICIDE ANALYSES FOR MONITOR WELLS, OCTOBER 1985 TO SEPTEMBER 1986

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
	T.	R.	SEC.							
ACADIA PARISH										
AC- 452	10S	1W	34	300742092265901	05-21-86	<0.1	<0.01	<0.1	<0.01	<0.01
ALLEN PARISH										
AL- 120	3S	3W	3	304921092402202	09-05-86	<.1	<.01	<.1	<.01	<.01
ASCENSION PARISH										
AN- 267	9S	3E	16	301544090543901	04-28-86	<.1	<.01	<.1	<.01	<.01
AVOUELLES PARISH										
AV- 441	1N	3E	33	310117092100201	09-05-86	<.1	<.01	<.1	<.01	<.01
BEAUREGARD PARISH										
BE- 378	7S	8W	19	302553093135002	05-21-86	<.1	<.01	<.1	<.01	<.01
CADD0 PARISH										
CD- 453	22N	16W	14	325331093585501	09-06-86	<.1	<.01	<.1	<.01	<.01
CALCASIEU PARISH										
CU- 771	10S	9W	5	301336093183002	05-06-86	<.1	<.01	<.1	<.01	<.01
CAMERON PARISH										
CN- 92	12S	7W	12	300104093015601	05-05-86	<.1	<.01	<.1	<.01	<.01
CONCORDIA PARISH										
CO- 164	8N	9E	23	313813091330302	09-04-86	<.1	<.01	<.1	<.01	<.01
DE SOTO PARISH										
DS- 363	13N	13W	9	320727093415801	09-06-86	--	--	--	--	--
EAST BATON ROUGE PARISH										
EB- 817	7S	1W	74	302644091101801	09-08-86	<.1	<.01	<.1	<.01	<.01
EB- 991B	7S	1E	24	302508091035402	09-08-86	<.1	<.01	<.1	<.01	<.01
EB-1003	7S	2E	38	302635091022201	09-03-86	<.1	<.01	<.1	<.01	<.01
EB-1036	7S	1E	100	302520091041401	09-08-86	<.1	<.01	<.1	<.01	<.01
EAST CARROLL PARISH										
EC- 233	21N	13E	18	324739091110201	09-05-86	<.1	<.01	<.1	<.01	<.01
EVANGELINE PARISH										
EV- 749	4S	1W	8	304316092300701	05-12-86	<.1	<.01	<.1	<.01	<.01

< Actual value is known to be less than the value shown.

[illegible]

[illegible]

WELL NO.	LOCATION			DATE OF SAMPLE	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
T.	R.	SEC.									
ACADIA PARISH--Continued											
AC- 452	10S	1W	34	05-21-86	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01
ALLEN PARISH--Continued											
AL- 120	3S	3W	3	09-05-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
ASCENSION PARISH--Continued											
AN- 267	9S	3E	16	04-28-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
AVOUELLES PARISH--Continued											
AV- 441	1N	3E	33	09-05-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
BEAUREGARD PARISH--Continued											
BE- 378	7S	8W	19	05-21-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
CADDO PARISH--Continued											
CD- 453	22N	16W	14	09-06-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
CALCASIEU PARISH--Continued											
CU- 771	10S	9W	5	05-06-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
CAMERON PARISH--Continued											
CN- 92	12S	7W	12	05-05-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
CONCORDIA PARISH--Continued											
CO- 164	8N	9E	23	09-04-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
DE SOTO PARISH--Continued											
DS- 363	13N	13W	9	09-06-86	—	—	—	<.01	<.01	<.01	<.01
EAST BATON ROUGE PARISH--Continued											
EB- 817	7S	1W	74	09-08-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
EB- 991B	7S	1E	24	09-08-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
EB-1003	7S	2E	38	09-03-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
EB-1036	7S	1E	100	09-08-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
EAST CARROLL PARISH--Continued											
EC- 233	21N	13E	18	09-05-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
EVANGELINE PARISH--Continued											
EV- 749	4S	1W	8	05-12-86	<.1	<1	<.01	<.01	<.01	<.01	<.01

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
	T.	R.	SEC.							
GRANT PARISH										
G- 432	7N	2W	17	313507092355601	09-04-86	<0.1	<0.01	<0.1	<0.01	<0.01
LINCOLN PARISH										
L- 160	18N	3W	35	322951092382301	09-05-86	--	--	--	--	--
LIVINGSTON PARISH										
LI- 85	9S	5E	16	301532090430001	04-28-86	<.1	<.01	<.1	<.01	<.01
MADISON PARISH										
MA- 20	16N	12E	31	322357091110601	09-04-86	<.1	<.01	<.1	<.01	<.01
ORLEANS PARISH										
OR- 195	12S	12E	38	300054090012601	04-30-86	<.1	<.01	<.1	<.01	<.01
RAPIDES PARISH										
R-1210	2N	2W	19	310810092364304	09-07-86	<.1	<.01	<.1	<.01	<.01
RICHLAND PARISH										
RI- 126	18N	9E	13	323308091294801	09-04-86	<.1	<.01	<.1	<.01	<.01
ST. LANDRY PARISH										
SL- 392	7S	4E	66	302455092032001	05-12-86	<.1	<.01	<.1	<.01	<.01
ST. MARTIN PARISH										
SMN- 109	9S	7E	36	301304091424002	05-14-86	<.1	<.01	<.1	<.01	<.01
ST. MARY PARISH										
SM- 57U	14S	8E	27	294749091402301	05-13-86	<.1	<.01	<.1	<.01	<.01
VERMILION PARISH										
VE- 650	13S	4E	37	295341092055401	05-09-86	<.1	<.01	<.1	<.01	<.01
VE- 862	12S	1W	6	300146092301901	09-04-86	<.1	<.01	<.1	<.01	<.01
VERNON PARISH										
V- 420	1N	8W	20	310250093125703	09-06-86	<.1	<.01	<.1	<.01	<.01
V- 496	1N	8W	18	310412093134001	09-06-86	<.1	<.01	<.1	<.01	<.01
WEBSTER PARISH										
WB- 413	19N	9W	28	323626093173201	09-05-86	<.1	<.01	<.1	<.01	<.01
WINN PARISH										
W- 165	11N	3W	13	315558092375501	09-06-86	<.1	<.01	<.1	<.01	<.01

[illegible]

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WELL NO.	LOCATION			DATE OF SAMPLE	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
	T.	R.	SEC.								
GRANT PARISH--Continued											
G- 432	7N	2W	17	09-04-86	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01
LINCOLN PARISH--Continued											
L- 160	18N	3W	35	09-05-86	—	—	—	<.01	<.01	<.01	<.01
LIVINGSTON PARISH--Continued											
LI- 85	9S	5E	16	04-28-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
MADISON PARISH--Continued											
MA- 20	16N	12E	31	09-04-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
ORLEANS PARISH--Continued											
OR- 195	12S	12E	38	04-30-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
RAPIDES PARISH--Continued											
R-1210	2N	2W	19	09-07-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
RICHLAND PARISH--Continued											
RI- 126	18N	9E	13	09-04-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
ST. LANDRY PARISH--Continued											
SL- 392	7S	4E	66	05-12-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
ST. MARTIN PARISH--Continued											
SMN- 109	9S	7E	36	05-14-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
ST. MARY PARISH--Continued											
SM- 57U	14S	8E	27	05-13-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
VERMILION PARISH--Continued											
VE- 650	13S	4E	37	05-09-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
VE- 862	12S	1W	6	09-04-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
VERNON PARISH--Continued											
V- 420	1N	8W	20	09-06-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
V- 496	1N	8W	18	09-06-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
WEBSTER PARISH--Continued											
WB- 413	19N	9W	28	09-05-86	<.1	<1	<.01	<.01	<.01	<.01	<.01
WINN PARISH--Continued											
W- 165	11N	3W	13	09-06-86	<.1	<1	<.01	<.01	<.01	<.01	<.01

ORGANIC CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1985 TO SEPTEMBER 1986

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	BENZENE, TOTAL (UG/L)	BROM-OFORM, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE,	CHLORO-BENZENE,	CHLORO-DI-BROMO-METHANE,	CHLORO-ETHANE,	2-CHLORO-ETHYL-VINYL-ETHER,
	T.	R.	SEC.					TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)
ALLEN PARISH												
AL- 120	3S	3W	3	304921092402202	09-05-86	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
AVOUELLES PARISH												
AV- 441	1N	3E	33	310117092100201	09-05-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
BEAUREGARD PARISH												
BE- 378	7S	8W	19	302553093135002	05-21-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
CADDO PARISH												
CD- 453	22N	16W	14	325331093585501	09-06-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
CONCORDIA PARISH												
CO- 164	8N	9E	23	313813091330302	09-04-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
DE SOTO PARISH												
DS- 363	13N	13W	9	320727093415801	09-06-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EAST BATON ROUGE PARISH												
EB- 817	7S	1W	74	302644091101801	09-08-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB- 991B	7S	1E	24	302508091035402	09-08-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB-1003	7S	2E	38	302635091022201	09-03-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB-1036	7S	1E	100	302520091041401	09-08-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EAST CARROLL PARISH												
EC- 233	21N	13E	18	324739091110201	09-05-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EVANGELINE PARISH												
EV- 749	4S	1W	8	304316092300701	05-12-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2
GRANT PARISH												
G- 432	7N	2W	17	313507092355601	09-04-86	<.2	<.2	<.2	<.2	<.2	<.2	<.2

< Actual value is known to be less than the value shown.

[illegible]

[illegible]

WELL NO.	LOCATION			DATE OF SAMPLE	2,4-DI-CHLORO-PHENOL, TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL, TOTAL (UG/L)	2,4-DI-METHYL-PHENOL, TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL, TOTAL (UG/L)	2,4-DI-NITRO-PHENOL, TOTAL (UG/L)	2-NITRO-PHENOL, TOTAL (UG/L)	4-NITRO-PHENOL, TOTAL (UG/L)	PENTA-CHLORO-PHENOL, TOTAL (UG/L)	PHENOL (C6H5OH), TOTAL (UG/L)	ACE-NAPHTH-ENE, TOTAL (UG/L)
	T.	R.	SEC.											
ALLEN PARISH--Continued														
AL- 120	3S	3W	3	09-05-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
AVOUELLES PARISH--Continued														
AV- 441	1N	3E	33	09-05-86	<6	<5	<6	<30	<20	<6	<30	<30	—	<5
BEAUREGARD PARISH--Continued														
BE- 378	7S	8W	19	05-21-86	—	—	—	—	—	—	—	—	—	—
CADDO PARISH--Continued														
CD- 453	22N	16W	14	09-06-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
CONCORDIA PARISH--Continued														
CO- 164	8N	9E	23	09-04-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
DE SOTO PARISH--Continued														
DS- 363	13N	13W	9	09-06-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
EAST BATON ROUGE PARISH--Continued														
EB- 817	7S	1W	74	09-08-86	—	—	—	—	—	—	—	—	—	—
EB- 991B	7S	1E	24	09-08-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
EB-1003	7S	2E	38	09-03-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
EB-1036	7S	1E	100	09-08-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
EAST CARROLL PARISH--Continued														
EC- 233	21N	13E	18	09-05-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5
EVANGELINE PARISH--Continued														
EV- 749	4S	1W	8	05-12-86	—	—	—	—	—	—	—	—	—	—
GRANT PARISH--Continued														
G- 432	7N	2W	17	09-04-86	<6	<5	<6	<30	<20	<6	<30	<30	<6	<5

[illegible]

WELL NO.	LOCATION			DATE OF SAMPLE	BIS 2- CHLORO- ETHYL ETHER, TOTAL (UG/L)	BIS (2- CHLORO- ISO- PROPYL) ETHER, TOTAL (UG/L)	4- BROMO- PHENYL ETHER, TOTAL (UG/L)	2- CHLORO- NAPH- THALENE, TOTAL (UG/L)	4- CHLORO- PHENYL ETHER, TOTAL (UG/L)	CHRY- SENE, TOTAL (UG/L)	1, 2, 5, 6 -DIBENZ -ANTHRA -CENE, TOTAL (UG/L)	DI-N- BUTYL PHTHAL- ATE, TOTAL (UG/L)	DIETHYL PHTHAL- ATE, TOTAL (UG/L)
	T.	R.	SEC.										
ALLEN PARISH--Continued													
AL- 120	3S	3W	3	09-05-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
AVOYELLES PARISH--Continued													
AV- 441	1N	3E	33	09-05-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
BEAUREGARD PARISH--Continued													
BE- 378	7S	8W	19	05-21-86	--	--	--	--	--	--	--	--	--
CADDO PARISH--Continued													
CD- 453	22N	16W	14	09-06-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
CONCORDIA PARISH--Continued													
CO- 164	8N	9E	23	09-04-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
DE SOTO PARISH--Continued													
DS- 363	13N	13W	9	09-06-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
EAST BATON ROUGE PARISH--Continued													
EB- 817	7S	1W	74	09-08-86	--	--	--	--	--	--	--	--	--
EB- 991B	7S	1E	24	09-08-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
EB-1003	7S	2E	38	09-03-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
EB-1036	7S	1E	100	09-08-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
EAST CARROLL PARISH--Continued													
EC- 233	21N	13E	18	09-05-86	<5	<5	<5	<5	<5	<10	<10	<5	<5
EVANGELINE PARISH--Continued													
EV- 749	4S	1W	8	05-12-86	--	--	--	--	--	--	--	--	--
GRANT PARISH--Continued													
G- 432	7N	2W	17	09-04-86	<5	<5	<5	<5	<5	<10	<10	<5	<5

WELL NO.	LOCATION T. R. SEC.	DATE OF SAMPLE	DI-METHYL PHTHALATE, TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE, TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE, TOTAL (UG/L)	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE, TOTAL (UG/L)	FLUOR-ENE, TOTAL (UG/L)	FLUOR-ANTHENE, TOTAL (UG/L)	HEXA-CHLORO-BENZENE, TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE, TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE, TOTAL (UG/L)
ALLEN PARISH--Continued												
AL- 120	3S 3W 3	09-05-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
AVOUELLES PARISH--Continued												
AV- 441	1N 3E 33	09-05-86	<5	<5	<5	<10	—	<5	<5	<5	<5	<5
BEAUREGARD PARISH--Continued												
BE- 378	7S 8W 19	05-21-86	—	—	—	—	—	—	—	—	—	—
CADDO PARISH--Continued												
CD- 453	22N 16W 14	09-06-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
CONCORDIA PARISH--Continued												
CO- 164	8N 9E 23	09-04-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
DE SOTO PARISH--Continued												
DS- 363	13N 13W 9	09-06-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
EAST BATON ROUGE PARISH--Continued												
EB- 817	7S 1W 74	09-08-86	—	—	—	—	—	—	—	—	—	—
EB- 991B	7S 1E 24	09-08-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
EB-1003	7S 2E 38	09-03-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
EB-1036	7S 1E 100	09-08-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
EAST CARROLL PARISH--Continued												
EC- 233	21N 13E 18	09-05-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
EVANGELINE PARISH--Continued												
EV- 749	4S 1W 8	05-12-86	—	—	—	—	—	—	—	—	—	—
GRANT PARISH--Continued												
G- 432	7N 2W 17	09-04-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5

[illegible]

WELL NO.	LOCATION T. R. SEC.			DATE OF SAMPLE	1, 2, 4- TRI- CHLORO- BENZENE, TOTAL (UG/L)	AROCLOR 1016 PCB, TOTAL (UG/L)	AROCLOR 1221 PCB, TOTAL (UG/L)	AROCLOR 1232 PCB, TOTAL (UG/L)	AROCLOR 1242 PCB, TOTAL (UG/L)	AROCLOR 1248 PCB, TOTAL (UG/L)	AROCLOR 1254 PCB, TOTAL (UG/L)	AROCLOR 1260 PCB, TOTAL (UG/L)
ALLEN PARISH--Continued												
AL- 120	3S	3W	3	09-05-86	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AVOYELLES PARISH--Continued												
AV- 441	1N	3E	33	09-05-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
BEAUREGARD PARISH--Continued												
BE- 378	7S	8W	19	05-21-86	--	--	--	--	--	--	--	--
CADD O PARISH--Continued												
CD- 453	22N	16W	14	09-06-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
CONCORDIA PARISH--Continued												
CO- 164	8N	9E	23	09-04-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
DE SOTO PARISH--Continued												
DS- 363	13N	13W	9	09-06-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
EAST BATON ROUGE PARISH--Continued												
EB- 817	7S	1W	74	09-08-86	--	<.1	<.1	<.1	<.1	<.1	<.1	<.1
EB- 991B	7S	1E	24	09-08-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
EB-1003	7S	2E	38	09-03-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
EB-1036	7S	1E	100	09-08-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
EAST CARROLL PARISH--Continued												
EC- 233	21N	13E	18	09-05-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1
EVANGELINE PARISH--Continued												
EV- 749	4S	1W	8	05-12-86	--	--	--	--	--	--	--	--
GRANT PARISH--Continued												
G- 432	7N	2W	17	09-04-86	<5	<.1	<.1	<.1	<.1	<.1	<.1	<.1

[illegible]

[illegible]

[illegible]

WELL NO.	LOCATION			DATE OF SAMPLE	2,4-DI-CHLORO-PHENOL, TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL, TOTAL (UG/L)	2,4-DI-METHYL-OR-THO-PHENOL, TOTAL (UG/L)	4,6-DINITRO-CRESOL, TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL, TOTAL (UG/L)	2-NITRO-PHENOL, TOTAL (UG/L)	4-NITRO-PHENOL, TOTAL (UG/L)	PENTA-CHLORO-PHENOL, TOTAL (UG/L)	PHENOL (C6H-5OH), TOTAL (UG/L)	ACE-NAPHTH-ENE, TOTAL (UG/L)
	T.	R.	SEC.											

LINCOLN PARISH--Continued

L- 160 18N 3W 35 09-05-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

MADISON PARISH--Continued

MA- 20 16N 12E 31 09-04-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

RAPIDES PARISH--Continued

R-1210 2N 2W 19 09-07-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

RICHLAND PARISH--Continued

RI- 126 18N 9E 13 09-04-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

ST. LANDRY PARISH--Continued

SL- 392 7S 4E 66 05-12-86 -- -- -- -- -- -- -- -- -- --

ST. MARTIN PARISH--Continued

SMN- 109 9S 7E 36 05-14-86 -- -- -- -- -- -- -- -- -- --

ST. MARY PARISH--Continued

SM- 57U 14S 8E 27 05-13-86 -- -- -- -- -- -- -- -- -- --

VERMILION PARISH--Continued

VE- 862 12S 1W 6 09-04-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

VERNON PARISH--Continued

V- 420 1N 8W 20 09-06-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5
V- 496 1N 8W 18 09-06-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

WEBSTER PARISH--Continued

WB- 413 19N 9W 28 09-05-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

WINN PARISH--Continued

W- 165 11N 3W 13 09-06-86 <6 <5 <6 <30 <20 <6 <30 <30 <6 <5

	LOCATION			DATE OF SAMPLE	ACE-NAPHTHYLENE, TOTAL (UG/L)	ANTHRACENE, TOTAL (UG/L)	BENZO A ENE1,2- BENZANTHRACENE, TOTAL (UG/L)	BENZO B FLUOR-AN-THENE, TOTAL (UG/L)	BENZO K FLUOR-AN-THENE, TOTAL (UG/L)	BENZO-A-PYRENE, TOTAL (UG/L)	BENZOGHI PERYL ENE1,12-BENZOP- ERYLENE, TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE, TOTAL (UG/L)	BIS(2-CHLOROETHOXY) METHANE, TOTAL (UG/L)
LINCOLN PARISH--Continued													
L-	160	18N	3W	35	09-05-86	<5	<5	<10	<10	<10	<10	<5	<5
MADISON PARISH--Continued													
MA-	20	16N	12E	31	09-04-86	<5	<5	<10	<10	<10	<10	<5	<5
RAPIDES PARISH--Continued													
R-	1210	2N	2W	19	09-07-86	<5	<5	<10	<10	<10	<10	<5	<5
RICHLAND PARISH--Continued													
RI-	126	18N	9E	13	09-04-86	<5	<5	<10	<10	<10	<10	<5	<5
ST. LANDRY PARISH--Continued													
SL-	392	7S	4E	66	05-12-86	--	--	--	--	--	--	--	--
ST. MARTIN PARISH--Continued													
SMN-	109	9S	7E	36	05-14-86	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued													
SM-	57U	14S	8E	27	05-13-86	--	--	--	--	--	--	--	--
VERMILION PARISH--Continued													
VE-	862	12S	1W	6	09-04-86	<5	<5	<10	<10	<10	<10	<5	<5
VERNON PARISH--Continued													
V-	420	1N	8W	20	09-06-86	<5	<5	<10	<10	<10	<10	<5	<5
V-	496	1N	8W	18	09-06-86	<5	<5	<10	<10	<10	<10	<5	<5
WEBSTER PARISH--Continued													
WB-	413	19N	9W	28	09-05-86	<5	<5	<10	<10	<10	<10	<5	<5
WINN PARISH--Continued													
W-	165	11N	3W	13	09-06-86	<5	<5	<10	<10	<10	<10	<5	<5

WELL NO.	LOCATION			DATE OF SAMPLE	BIS	BIS (2-	4-	2-	4-	1, 2, 5, 6	DI-N-	DIETHYL
	T.	R.	SEC.		CHLORO-ETHYL TOTAL (UG/L)	CHLORO-ISO-PROPYL) ETHER, TOTAL (UG/L)	BROMO-PHENYL ETHER, TOTAL (UG/L)	CHLORO-PHENYL NAPH-THALENE, TOTAL (UG/L)	CHLORO-PHENYL ETHER, TOTAL (UG/L)	-DIBENZ-CHRY-SENE, TOTAL (UG/L)	-ANTHRA-CENE, TOTAL (UG/L)	BUTYL-PHTHAL-ATE, TOTAL (UG/L)
LINCOLN PARISH--Continued												
L- 160	18N	3W	35	09-05-86	<5	<5	<5	<5	<5	<10	<10	<5
MADISON PARISH--Continued												
MA- 20	16N	12E	31	09-04-86	<5	<5	<5	<5	<5	<10	<10	<5
RAPIDES PARISH--Continued												
R-1210	2N	2W	19	09-07-86	<5	<5	<5	<5	<5	<10	<10	<5
RICHLAND PARISH--Continued												
RI- 126	18N	9E	13	09-04-86	<5	<5	<5	<5	<5	<10	<10	<5
ST. LANDRY PARISH--Continued												
SL- 392	7S	4E	66	05-12-86	--	--	--	--	--	--	--	--
ST. MARTIN PARISH--Continued												
SMN- 109	9S	7E	36	05-14-86	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued												
SM- 57U	14S	8E	27	05-13-86	--	--	--	--	--	--	--	--
VERMILION PARISH--Continued												
VE- 862	12S	1W	6	09-04-86	<5	<5	<5	<5	<5	<10	<10	<5
VERNON PARISH--Continued												
V- 420	1N	8W	20	09-06-86	<5	<5	<5	<5	<5	<10	<10	<5
V- 496	1N	8W	18	09-06-86	<5	<5	<5	<5	<5	<10	<10	<5
WEBSTER PARISH--Continued												
WB- 413	19N	9W	28	09-05-86	<5	<5	<5	<5	<5	<10	<10	<5
WINN PARISH--Continued												
W- 165	11N	3W	13	09-06-86	<5	<5	<5	<5	<5	<10	<10	<5

WELL NO.	LOCATION			DATE OF SAMPLE	DI-METHYL-PHTHALATE,	2,4-DI-NITRO-TOLUENE,	2,6-DI-NITRO-TOLUENE,	DI-N-OCTYL-PHTHALATE,	BIS(2-ETHYL-HEXYL)-PHTHALATE,	FLUOR-ENE,	FLUOR-ANTHENE,	HEXACHLORO-BENZENE,	HEXACHLORO-BUTADIENE,	HEXACHLORO-CYCLOPENTADIENE,
	T.	R.	SEC.		TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)
LINCOLN PARISH--Continued														
L- 160	18N	3W	35	09-05-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
MADISON PARISH--Continued														
MA- 20	16N	12E	31	09-04-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
RAPIDES PARISH--Continued														
R-1210	2N	2W	19	09-07-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
RICHLAND PARISH--Continued														
RI- 126	18N	9E	13	09-04-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
ST. LANDRY PARISH--Continued														
SL- 392	7S	4E	66	05-12-86	--	--	--	--	--	--	--	--	--	--
ST. MARTIN PARISH--Continued														
SMN- 109	9S	7E	36	05-14-86	--	--	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued														
SM- 57U	14S	8E	27	05-13-86	--	--	--	--	--	--	--	--	--	--
VERMILION PARISH--Continued														
VE- 862	12S	1W	6	09-04-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
VERNON PARISH--Continued														
V- 420	1N	8W	20	09-06-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
V- 496	1N	8W	18	09-06-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
WEBSTER PARISH--Continued														
WB- 413	19N	9W	28	09-05-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5
WINN PARISH--Continued														
W- 165	11N	3W	13	09-06-86	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5

[illegible]

[illegible]

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CALENDAR FOR WATER YEAR 1986

1985

OCTOBER

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

NOVEMBER

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

DECEMBER

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

1986

JANUARY

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

FEBRUARY

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

MARCH

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

APRIL

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

MAY

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

JUNE

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

JULY

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

AUGUST

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

SEPTEMBER

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

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