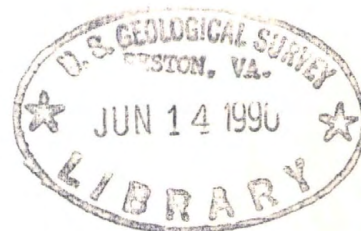
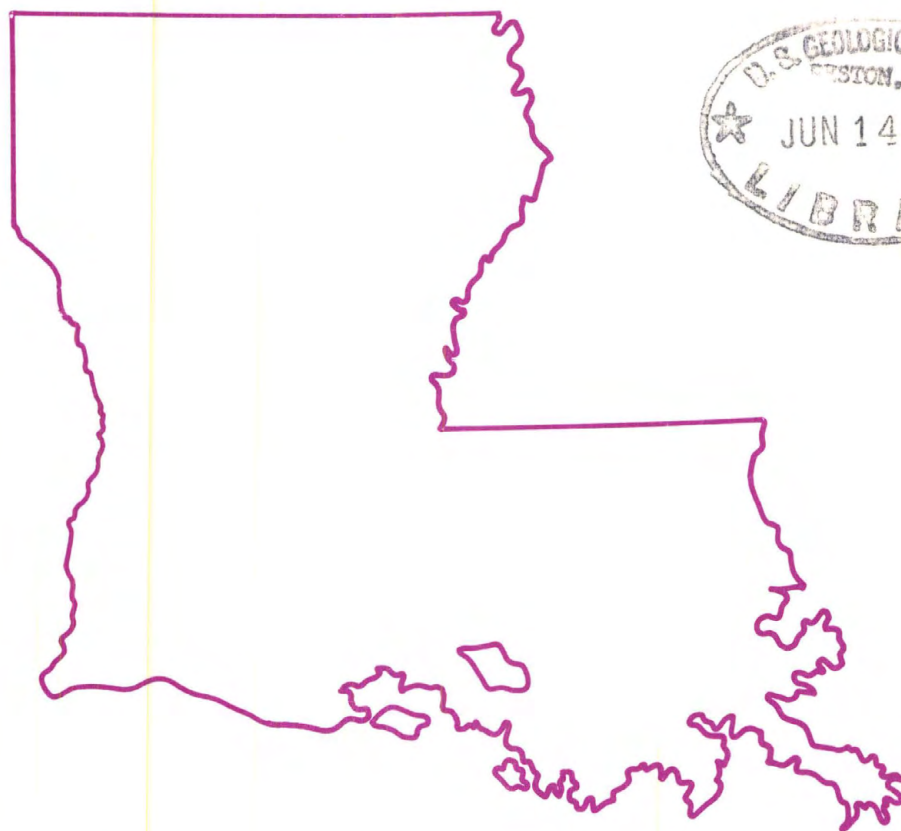


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Water Resources Data Louisiana Water Year 1989



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-89-1

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

CALENDAR FOR WATER YEAR 1989

1988

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Water Resources Data Louisiana

Water Year 1989

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-89-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

DEPARTMENT OF THE INTERIOR
MANUEL LUJAN, JR., Secretary

U.S. GEOLOGICAL SURVEY
Dallas L. Peck, Director

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Baton Rouge, LA 70896

1990

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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This report was prepared in cooperation with the State of Louisiana and with other agencies under the general supervision of Darwin Knochenmus, District Chief, Louisiana.

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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 60 streamflow-gaging stations, stage only for 14 gaging stations, for 85 partial-record or miscellaneous streamflow stations, and for 19 crest-stage, partial record streamflow stations; (2) stage records for 7 lakes; (3) water-quality records for 12 streamflow-gaging stations, for 23 ungaged streamsites, and 84 wells; and (4) water-level records for 232 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-89-1." 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, Neil L. Wagoner, Secretary.

Louisiana Department of Environmental Quality, Paul H. Templet, Secretary; Office of Water Resources, Maureen O'Neill, Assistant Secretary.

City of Baton Rouge and Parish of East Baton Rouge, Tom Ed McHugh, Mayor-President; Department of Public Works, James C. Webb, Director.

Jefferson Parish Department of Public Works, B.K. Sneed, Director.

Capital Area Ground Water Conservation Commission, Kent Naquin, Chairman.

Sabine River Compact Administration, composed of James B. Furrh, Jr., Chairman; Neil L. Wagoner, and Raymond J. Palmer for Louisiana; Danny Choate, and J.T. McMahon for Texas.

Louisiana Department of Wildlife and Fisheries, Virginia Van Sickle, Secretary.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army; U.S. Forest Service; 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 Conditions

For the period October through December, rainfall in the northern part of the State was 3.74 in. above normal; while in the southern part, rainfall was 2.91 in. below normal. Low-flow conditions recorded on the Mississippi River at the end of the 1988 water year continued through November. The minimum mean daily discharge was 124,000 ft³/s for the Mississippi River at Tarbert Landing, Miss., on October 26, 1988, and the mean daily discharge remained below 200,000 ft³/s through November 20, 1988. The November monthly mean discharge was 78 ft³/s at Calcasieu River near Oberlin and was well below the long-term November mean of 775 ft³/s (fig. 1). The December monthly mean discharge of 92 ft³/s at Saline Bayou near Lucky was below the long-term December mean of 208 ft³/s (fig. 1).

In the month of January, rainfall was 3.28 in. above normal for the northern part of the State and continued to be below normal for the southern part. The January monthly mean discharge of 26,290 ft³/s at Pearl River near Bogalusa, located in the east-central area of the State, was above the long-term January mean of 14,540 ft³/s (fig. 1).

In February, rainfall was near normal in the northern part of the State, but was below normal for the southern part. Rainfall in the southern part was only 0.86 in., which was 3.73 in. below normal. The February monthly mean discharge at Amite River near Denham Springs was 1,425 ft³/s, which was below the long-term February mean of 3,791 ft³/s (fig. 1).

In March, rainfall statewide was 0.84 in. above the normal of 5.62 in.; in April, rainfall statewide was only 1.77 in., which was 3.22 in. below normal. For Mississippi River at Tarbert Landing, the maximum mean daily discharge for the water year was 1,138,000 ft³/s on March 11, 1989. The March monthly mean discharge at Saline Bayou near Lucky was 405 ft³/s and was above the long-term mean of 281 ft³/s (fig. 1).

From May through July, rainfall totals greatly increased because of severe weather conditions, but in August and September, rainfall statewide was below normal by 1.57 in. for this two-month period. The statewide rainfall total was 30.56 in. for May through July, which was 15.61 in. above normal. In the northern part of the State, the May monthly rainfall was 21.40 in. for Ruston, with 11.84 in. recorded on May 5. For the period May 16-19, Coushatta, also located in the northern part of the State, received 18.19 in. of rainfall, with 14.5 in. recorded on May 18.

As a result of this abundant rainfall, discharges were greater for streams throughout the State, and record high discharges were recorded at some stations. On May 19, Saline Bayou near Lucky set a new maximum daily discharge of 8,050 ft³/s for the month of May, which exceeded the previous maximum of 7,730 ft³/s recorded on May 17, 1953. The May monthly mean discharge was 1,117 ft³/s, which was slightly below the maximum May monthly mean of 1,122 ft³/s recorded in 1953 (fig. 1). The long-term May mean is 237 ft³/s (fig. 1). Grand Bayou near Coushatta set a new maximum peak discharge of 15,400 ft³/s on May 18, which exceeded the previous peak discharge of 7,920 ft³/s on September 21, 1958. This peak discharge had a recurrence interval of more than 100 years.

Winnfield, located in the north-central part of the State, received 30.22 in. of rainfall for the month of June; on June 29, 12.90 in. of rainfall was recorded, as remnants of Hurricane Allison passed through the area. The Amite River near Denham Springs set a new maximum June monthly mean discharge of 5,039 ft³/s; the previous maximum was 4,551 ft³/s (fig. 1).

In July, a new maximum monthly mean discharge of 1,010 ft³/s was recorded at Saline Bayou near Lucky. This monthly mean discharge for July exceeded the previous maximum of 252 ft³/s which occurred in July 1955 (fig. 1). The Calcasieu River near Oberlin set a new maximum July mean discharge of 9,050 ft³/s; the previous maximum was 3,574 ft³/s for July 1941.

For the 1989 water year, rainfall totals in the northern part of the State exceeded the yearly average of 50.85 in. by 19.03 in.; while in the southern part of the State, rainfall totals were 1.48 in. below the yearly average of 59.27 in. The large rainfall totals in the northern part of the State are reflected in the annual mean discharge of 358 ft³/s at Saline Bayou near Lucky, which exceeded the long-term annual mean of 163 ft³/s, and almost equalled the maximum annual mean of 371 ft³/s recorded in 1975 (fig. 1).

Surface-Water Quality

This section briefly describes the quality of water in selected streams in Louisiana and presents information on changes in methods of analysis. Samples generally were collected quarterly or monthly. Daily analyses on the Mississippi River include specific conductance, pH, temperature, dissolved oxygen, and chloride. Sediment analyses are available for many of the streams.

The specific conductance ranged from approximately 230 to 530 $\mu\text{S}/\text{cm}$ (microsiemens per centimeter at 25 °C) along most of the lower Mississippi River during the 1989 water year. However, an influx of saltwater from the Gulf of Mexico into the Mississippi River resulted in specific conductances of 3,760 $\mu\text{S}/\text{cm}$ on October 17, 1988; 5,260 $\mu\text{S}/\text{cm}$ on November 16, 1988; and 1,350 $\mu\text{S}/\text{cm}$ on September 6, 1989. Water temperature ranged from approximately 7.0 to 31.0 °C during the 1989 water year. Chloride concentration ranged from approximately 9 to 40 mg/L (milligrams per liter) along the river except at Venice, where the concentration was 1,400 mg/L on November 16, 1988.

Locks and dams along the Red River now affect the water quality of the river by creating pools at the locks and dams such as the one at Lock and Dam 1 near Vick. Specific conductance ranged from approximately 175 to 1,470 $\mu\text{S}/\text{cm}$ along the Red River during the 1989 water year. Water temperature ranged from 8.0 to 31.0 °C. Total iron and manganese concentrations were characteristically high. Total iron concentration ranged from a minimum of 180 $\mu\text{g}/\text{L}$ (micrograms per liter) for Red River above Lock and Dam 1 near Vick on October 4, 1988, to a maximum of 6,600 $\mu\text{g}/\text{L}$ for Red River at Moncla on February 13, 1989. Total manganese ranged from a minimum of 50 $\mu\text{g}/\text{L}$ for Red River above Lock and Dam 1 near Vick on October 4, 1988, to a maximum of 360 $\mu\text{g}/\text{L}$ for Red River at Coushatta on October 5, 1988. Chloride concentration ranged from approximately 10 to 200 mg/L along the Red River.

Water-quality stations on the Atchafalaya River include the Lower Atchafalaya River at Morgan City and the Atchafalaya River at Melville. At Morgan City, the maximum sediment load was 280,000 T/day (tons per day) on January 19, 1989, and the minimum sediment load was 11,000 T/day on August 23, 1989. The maximum measured water temperature was 29.5 °C at Morgan City on August 23, 1989. The minimum sediment load at Melville was 3,040 T/day on October 26, 1988, and the maximum sediment load was 612,000 T/day on March 1, 1989. The extremes for measured specific conductance on the Atchafalaya River at Melville were 570 and 195 $\mu\text{S}/\text{cm}$ on October 26, 1988, and March 1, 1989, respectively. The lowest measured water temperature was 8.0 °C at Melville on December 29, 1988.

Water-quality stations in the Florida Parishes include Tangipahoa River at Robert, Tchefuncta River near Covington, Amite River near Port Vincent, and Pearl River near Bogalusa. These stations had characteristically low specific conductances (less than 100 $\mu\text{S}/\text{cm}$) much of the year. Values of pH ranged from approximately 7.3 at Amite River on October 17, 1988, to 6.2 at Tchefuncta River on July 7, 1989. Fecal coliform counts exceeded 200 col/100 mL (colonies per 100 milliliters) at the Tchefuncta, Tangipahoa, and Pearl Rivers for 66 percent of the samples collected during the water year. The fecal coliform counts exceeded 200 col/100 mL throughout the year at Amite River.

Effective May 16, 1989, the U.S. Geological Survey National Water Quality Laboratory began using the Graphite Furnace Atomic Absorption Spectrometry method for analysis of silver, cadmium, cobalt, copper, nickel, and lead; a chelation-extraction method was used prior to that date. The change in methods resulted in a change in the detection limit of lead from 5 $\mu\text{g}/\text{L}$ to 1 $\mu\text{g}/\text{L}$.

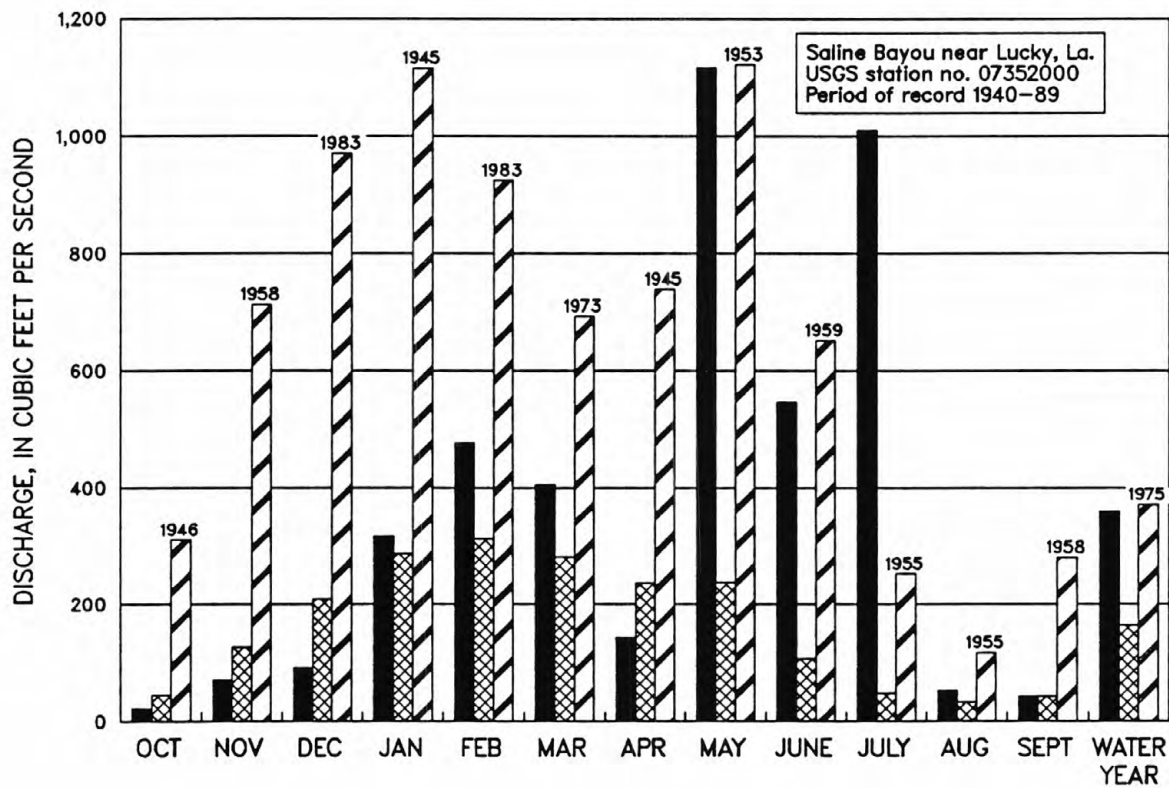
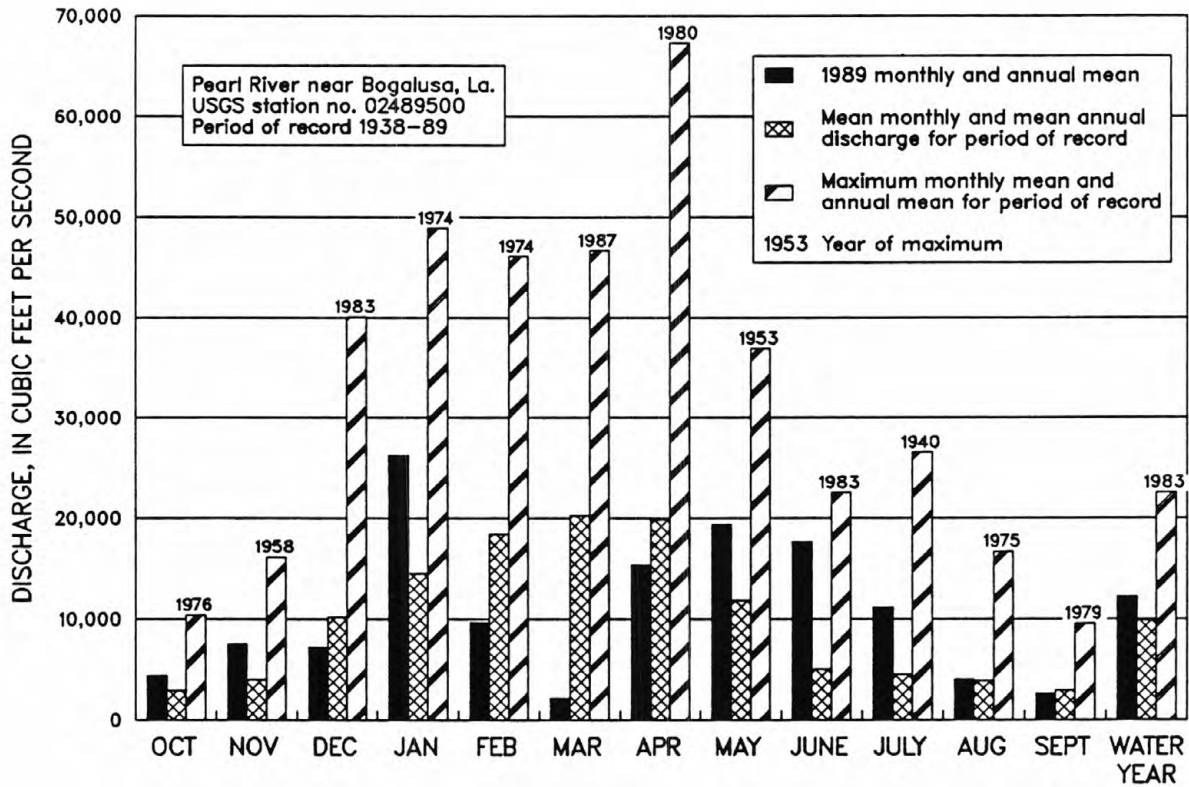


Figure 1.--Comparison of discharge during the 1989 water year with mean and maximum discharge for the period of record at four representative gaging stations.

WATER RESOURCES DATA FOR LOUISIANA, 1989

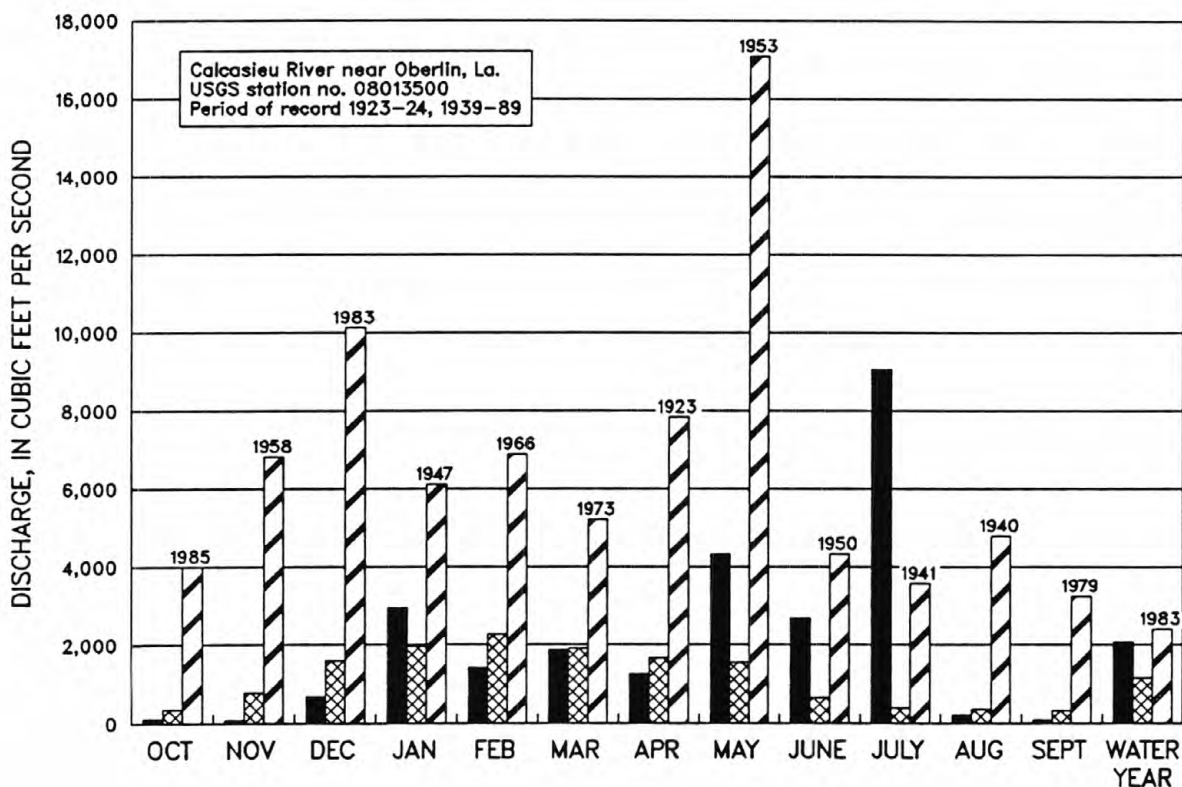
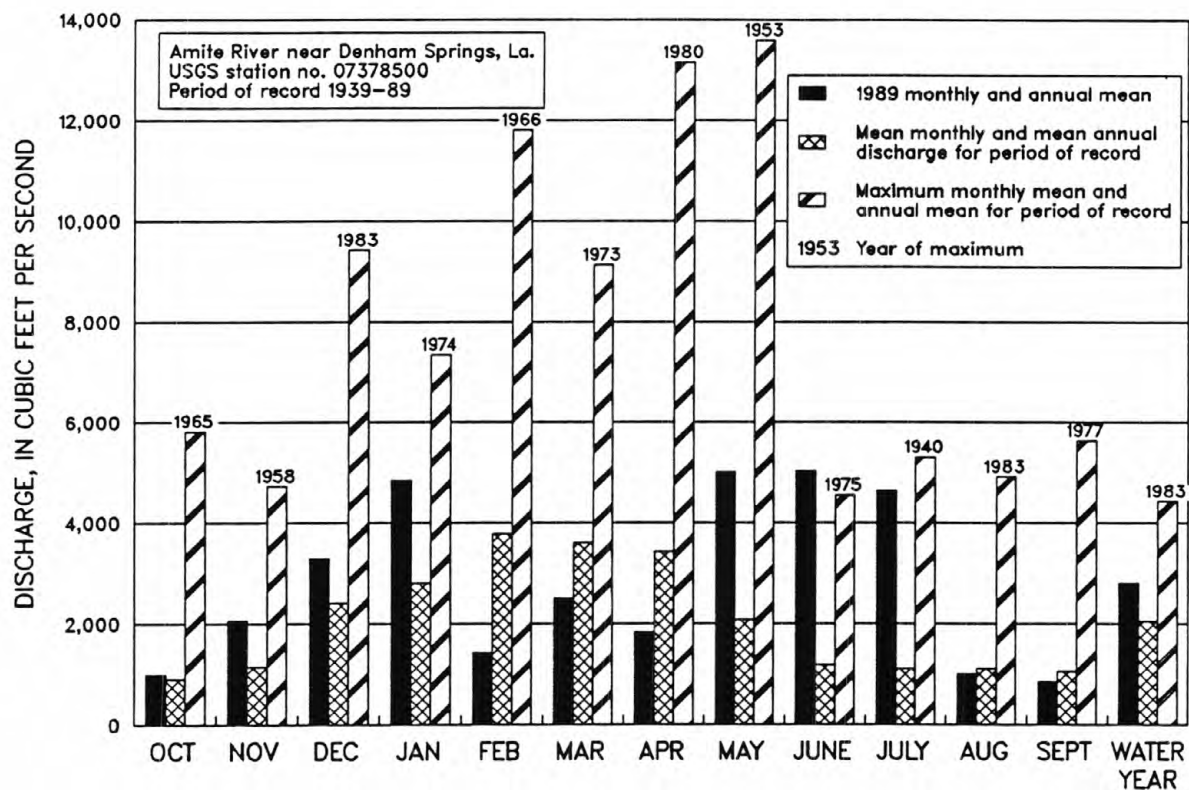


Figure 1.--Comparison of discharge during the 1989 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

Ground-Water Levels

Water-level declines continued in some major aquifers around the State during the water year, whereas water levels remained unchanged or recovered in other aquifers. Water levels in the Sparta aquifer generally remained unchanged or declined as much as 3 ft, but water levels in Jackson, Webster, and Morehouse Parishes recovered as much as 15 ft from 1988 levels (well Mo-5, fig. 2a). Water levels in the Cockfield aquifer recovered slightly; whereas water levels in the Carrizo-Wilcox aquifer were generally unchanged. In the central Louisiana Miocene aquifers, water levels declined from 1 to 3 ft in the Carnahan Bayou aquifer but remained unchanged or rose slightly in the Williamson Creek aquifer (well V-108, fig. 2a).

Water levels in aquifers of the Chicot aquifer system of southwestern Louisiana showed normal seasonal fluctuations in the rice-growing area and rose by about 1 to 3 ft near Lake Charles to the west. The rises in water levels near Lake Charles are a continuing response to decreased ground-water pumpage for industrial use.

Water levels in southeastern Louisiana generally rose in the shallow and intermediate aquifers at depths less than 1,700 ft. Rises in water levels ranged from 6 to 8 ft in the "400-foot" (well EB-155, fig. 2a) and "600-foot" aquifers at Baton Rouge and from 1 to 2 ft in the zone 2 aquifers in St. Tammany and Tangipahoa Parishes. Water levels in the deeper aquifers with depths from 1,700 to 3,100 ft ranged from unchanged to 2 ft lower.

Aquifers in upland terrace deposits showed normal seasonal fluctuations but little net change. The Mississippi River alluvial aquifer showed rises ranging from 3 to 15 ft as water levels recovered from the effects of extremely low river stages early in the water year (well EC-55, fig. 2b).

Ground-Water Quality

Chloride concentrations in water from 74 wells in the major aquifers in the State showed little change from the previous water year. Chloride concentrations in water sampled from these wells ranged from 1 mg/L for the "1,200-foot" aquifer in West Baton Rouge Parish to 2,600 mg/L for the Mississippi River alluvial aquifer in Madison Parish. Chloride concentrations in the saltwater monitoring wells in the Baton Rouge area showed little change from previous water years. Chloride concentrations in the Gramercy aquifer in St. James Parish in southeastern Louisiana increased significantly from the previous water year (from 69 to 120 mg/L in well SJ-86, fig. 2b) due to pumpage near the freshwater-saltwater interface.

Inorganic chemical analyses of water from wells in the major aquifers in the State showed little change from the previous water year. Analyses of water samples from 30 wells indicated that concentrations of most minor elements were at or below detection limits. Analysis of samples from 4 closely spaced wells in Vermilion Parish, averaging about 300 ft in depth and screened in the upper Chicot aquifer, had concentrations of barium greater than 100 µg/L. Of the wells previously sampled for organic chemicals, two wells had concentrations of organics that were above the detection level. Water from well Mo-364 in Morehouse Parish had concentrations of 0.4 µg/L of 1,2-dichloroethane and 3.5 µg/L of tetrachloroethylene and water from well Wb-269 in Webster Parish had a concentration of 0.3 µg/L of 1,1-dichloroethane.

WATER RESOURCES DATA FOR LOUISIANA, 1989

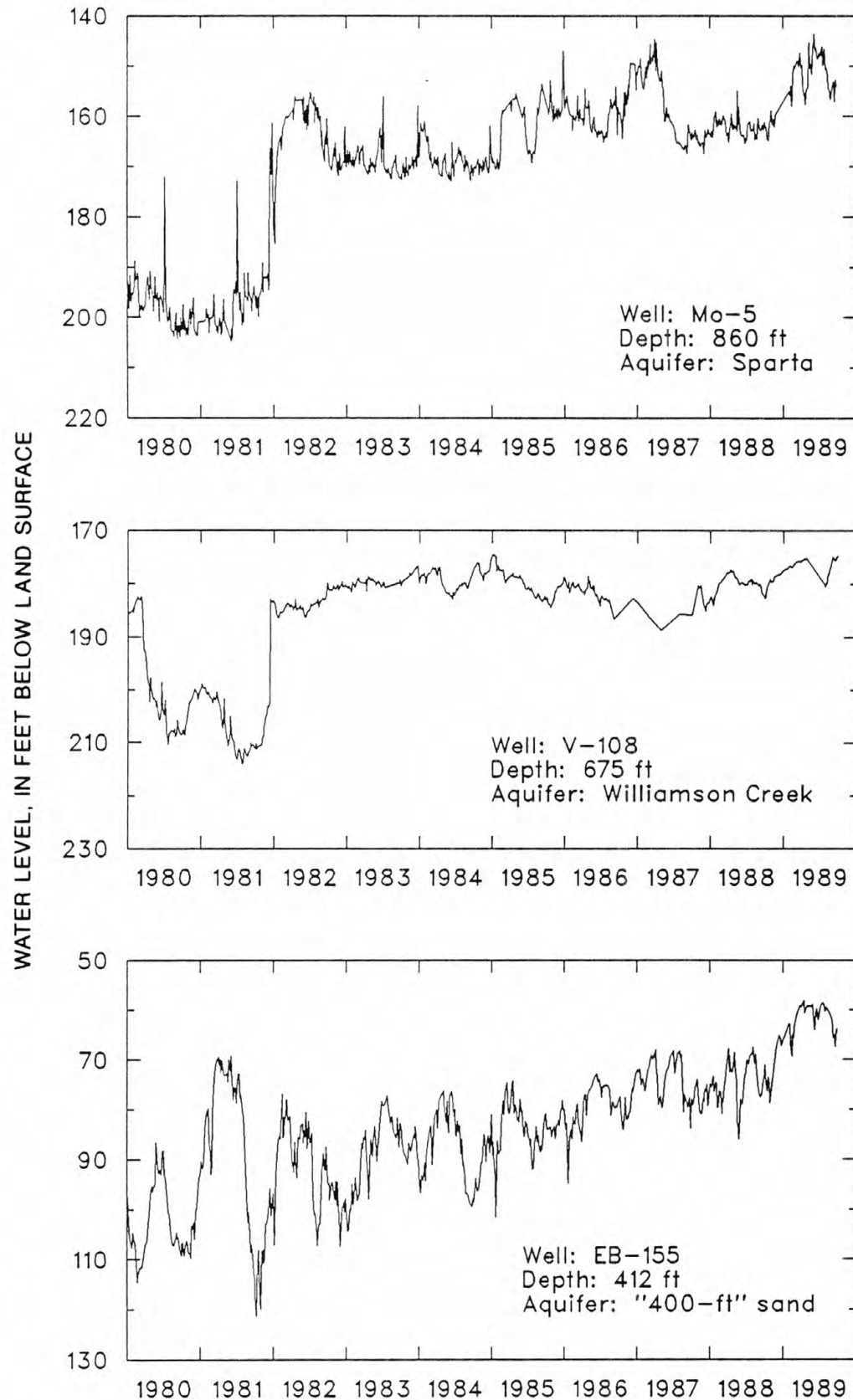


Figure 2a.--Water levels for representative observation wells.

WATER RESOURCES DATA FOR LOUISIANA, 1989

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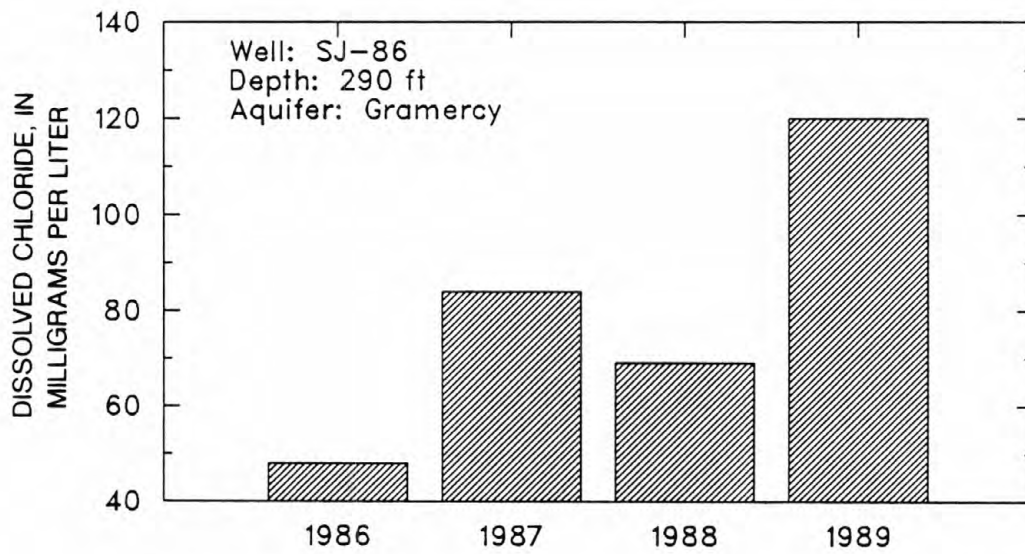
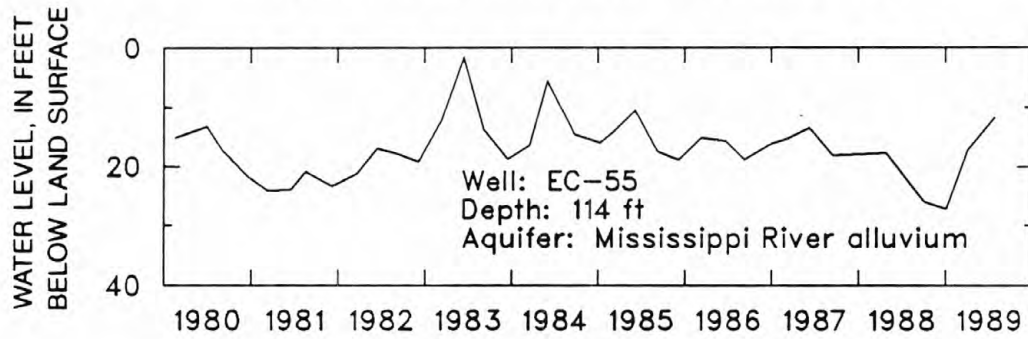


Figure 2b.--Water level for representative observation well and chloride concentration for well SJ-86.

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 1989 water year that began October 1, 1988, and ended September 30, 1989. 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 4-14. 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 estab-

lished; 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.

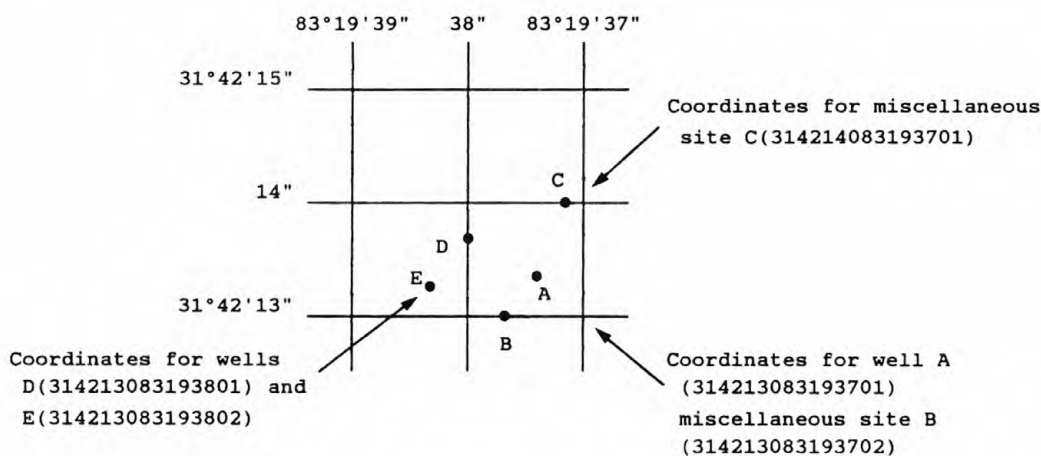


Figure 3.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a 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 4-7.

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

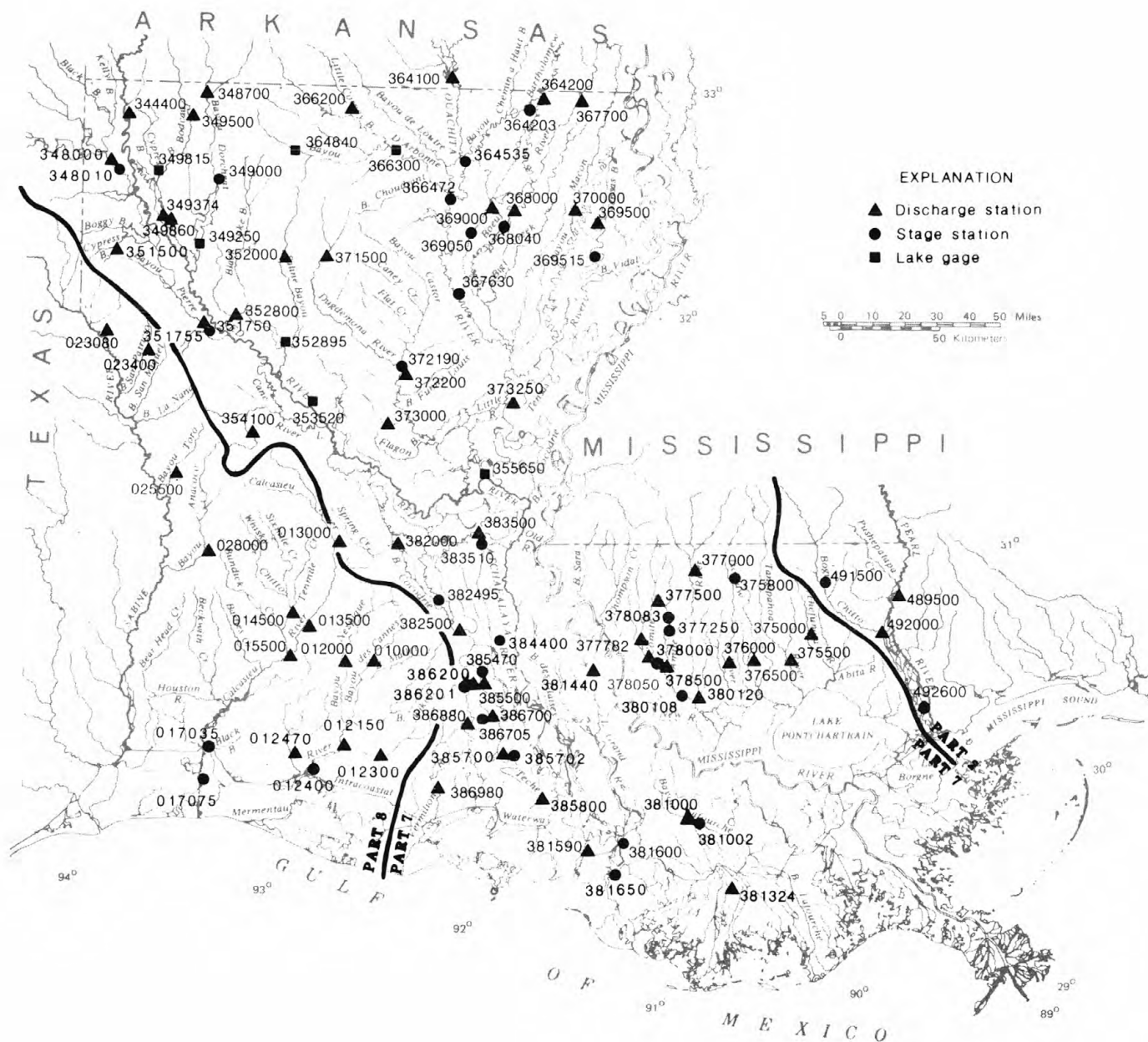


Figure 4.--Location of continuous gaging stations.

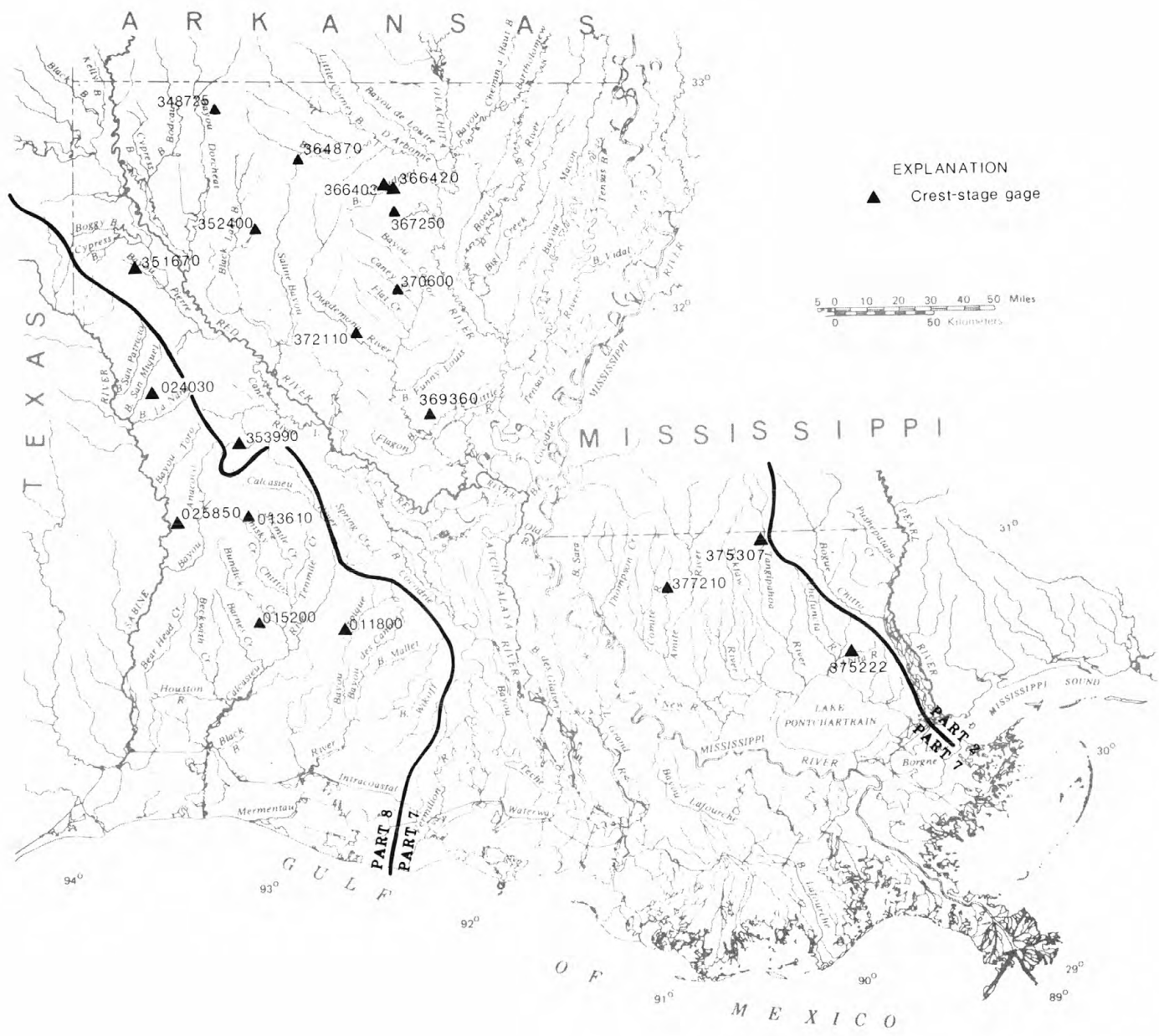


Figure 5.--Location of crest-stage stations.

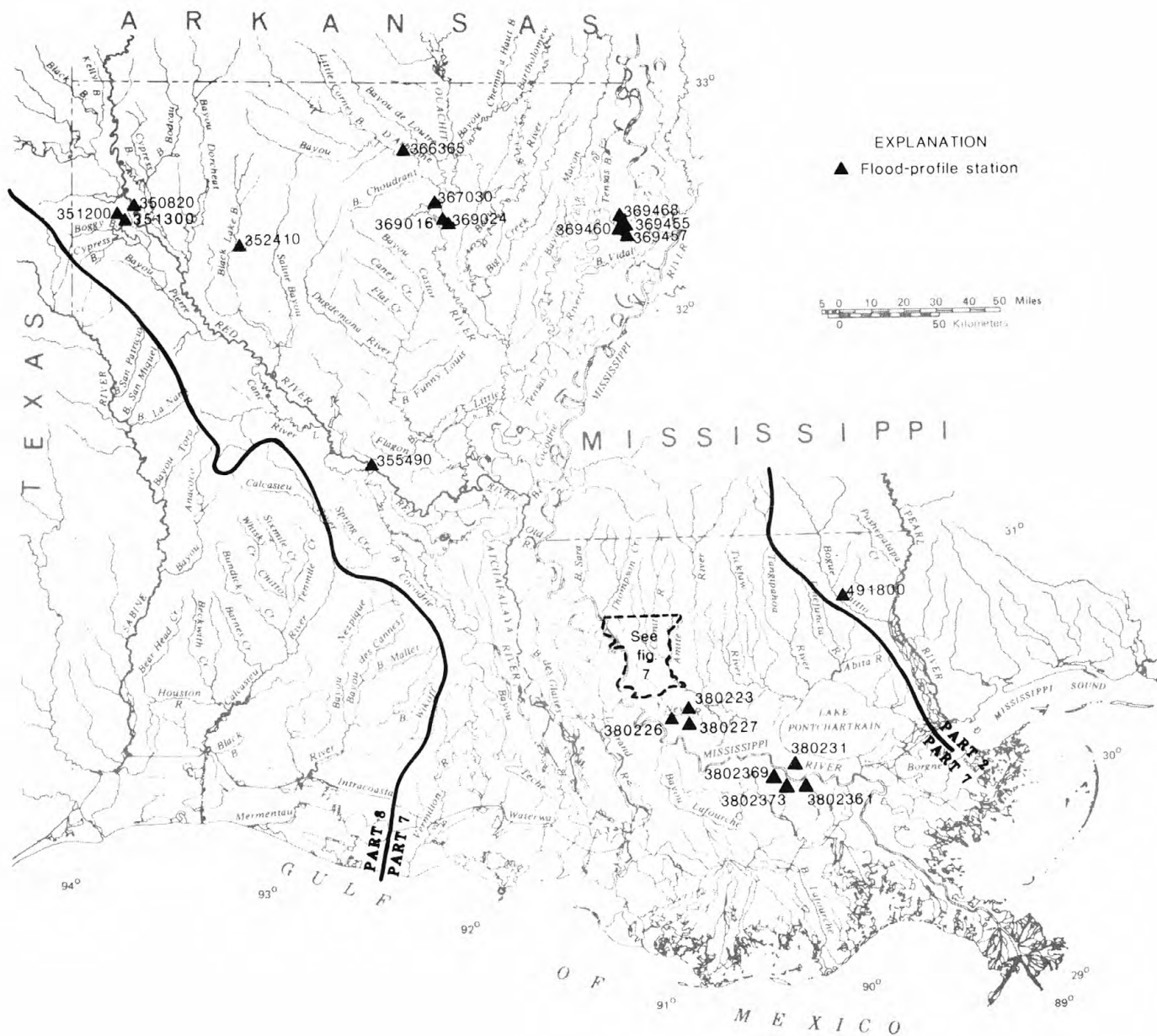


Figure 6.--Location of flood-profile stations.

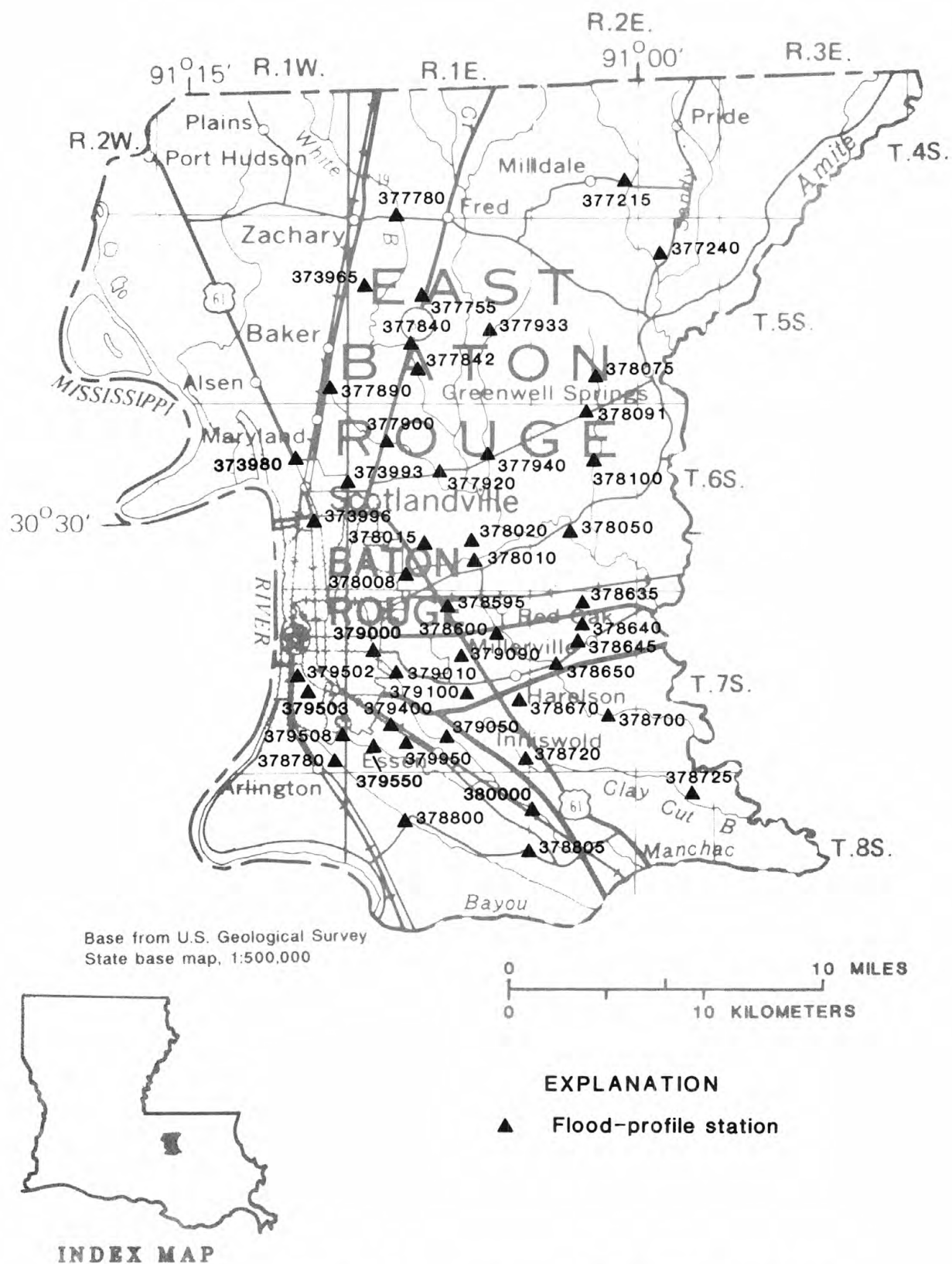


Figure 7.--Location of flood-profile stations in East Baton Rouge Parish.

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, possible, 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-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in 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 figures 8 and 14.

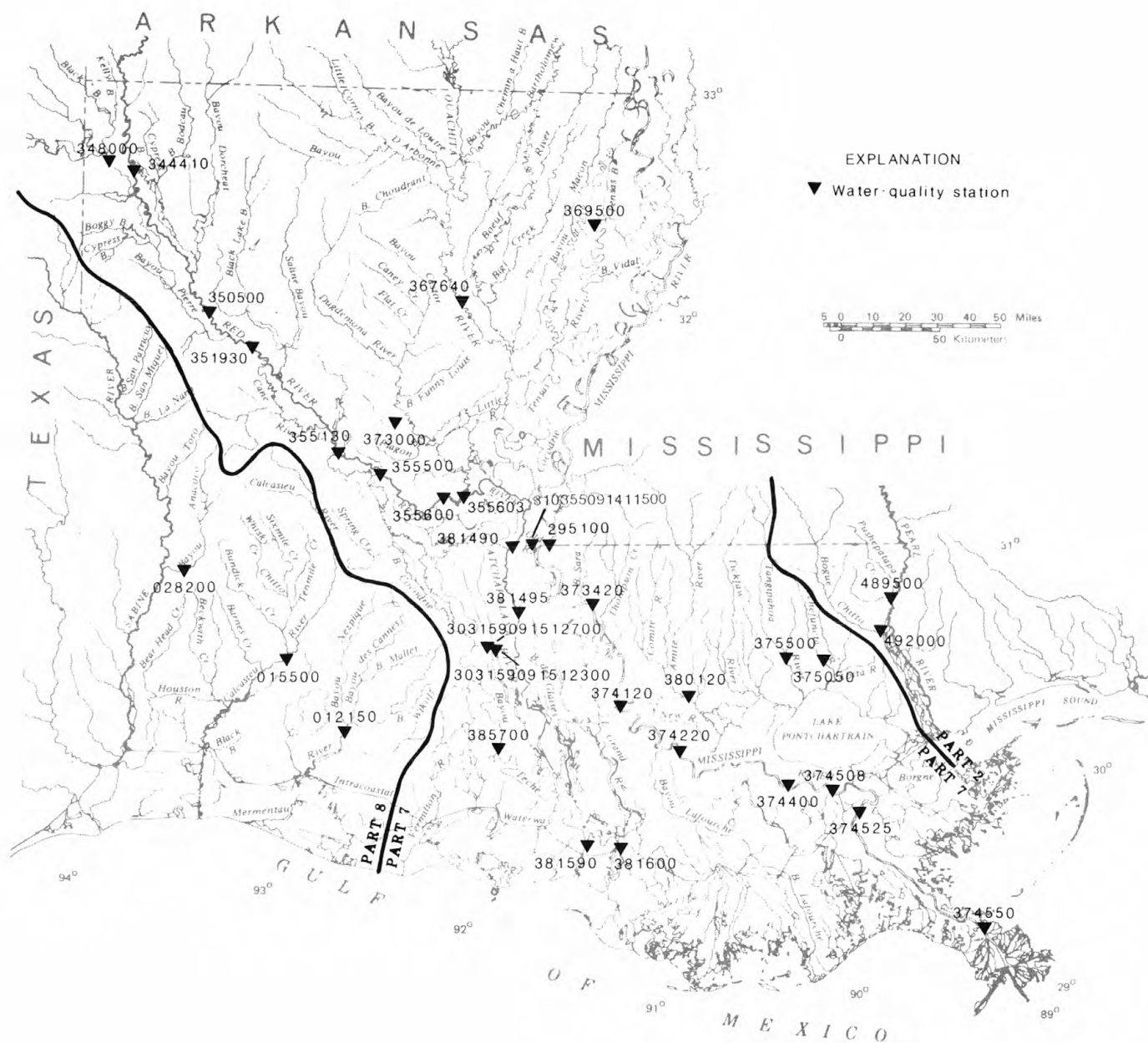
Arrangement of Records

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, Chapter D2; Book 3, Chapter C2; Book 5, Chapters A1, A3, and A4. All of these references are listed on page 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, Chapter C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; Book 5, Chapters 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 parish location (abbreviated) followed by a sequential number.

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 9-13.

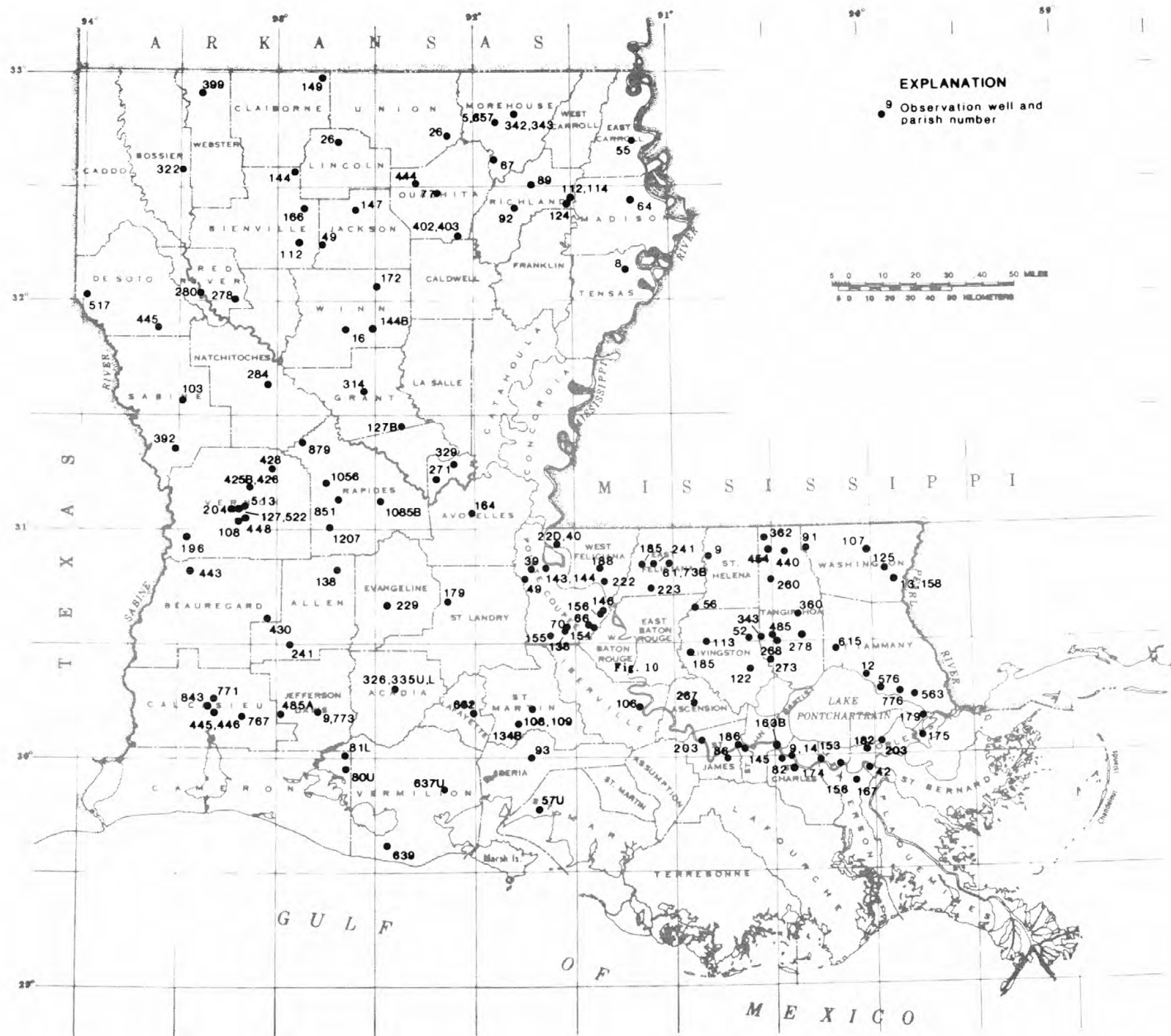


Figure 9.--Location of observation wells.

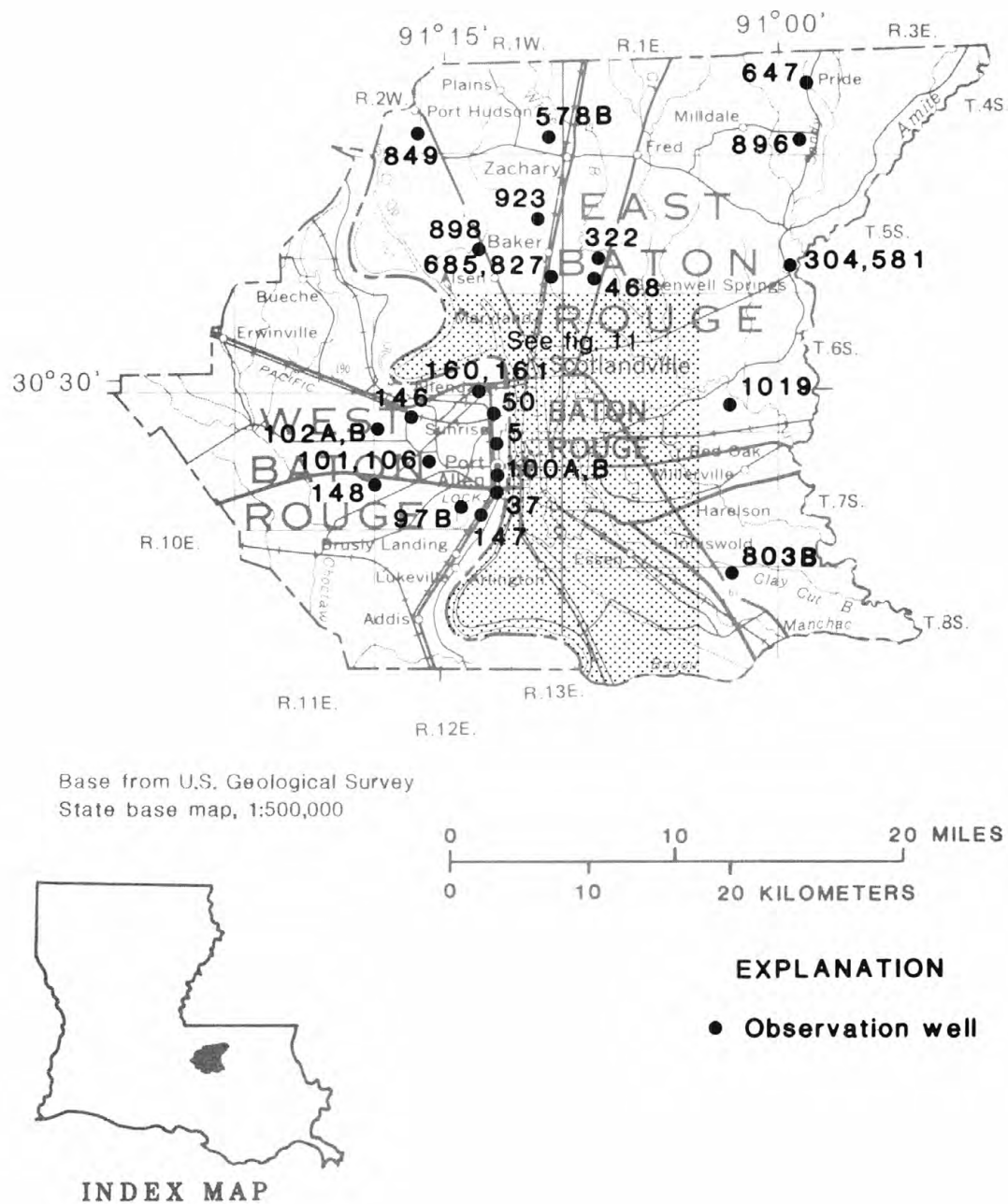


Figure 10.--Location of observation wells in East and West Baton Rouge Parishes.

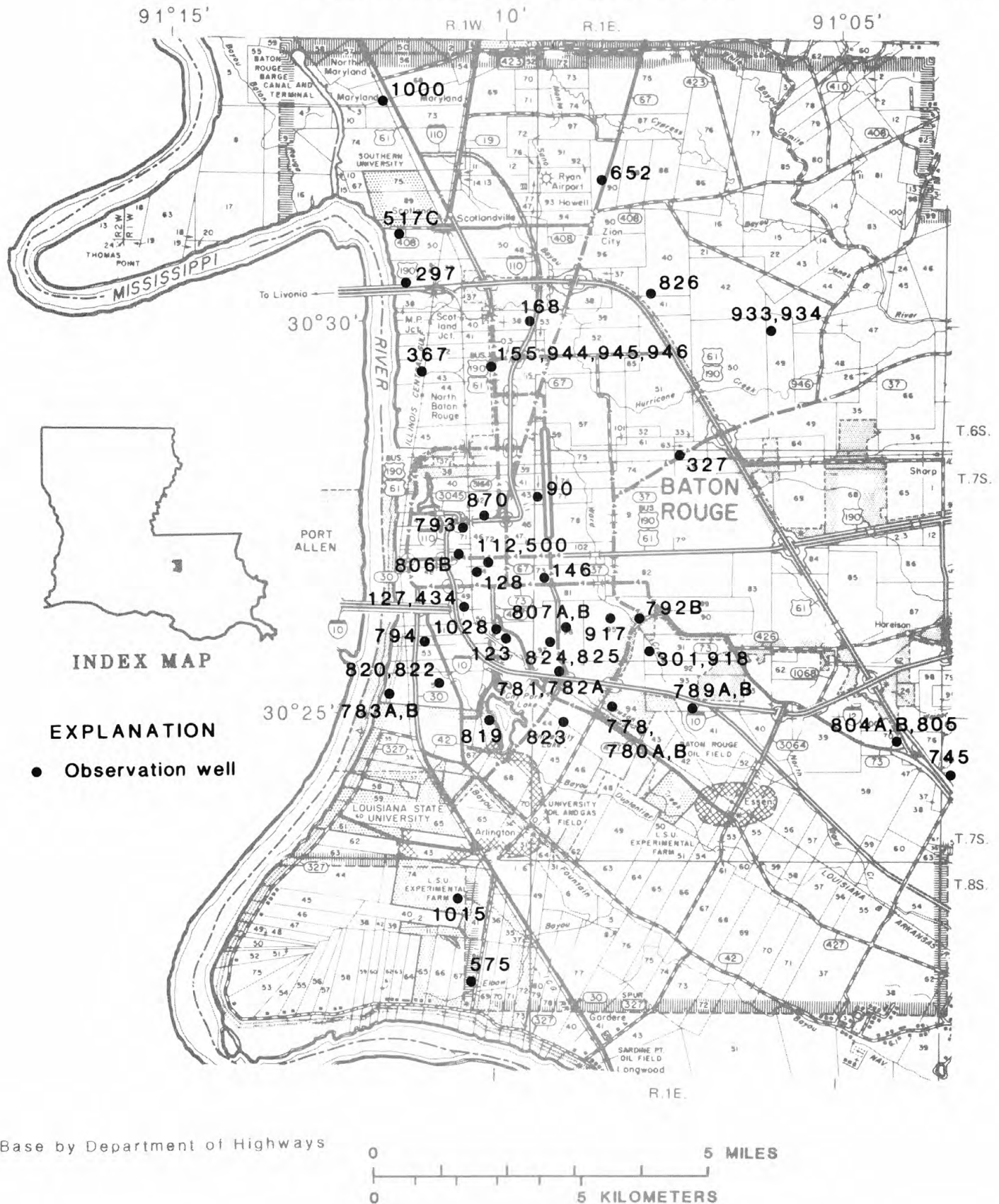




Figure 12--Location of wells for which water-quality data are included.

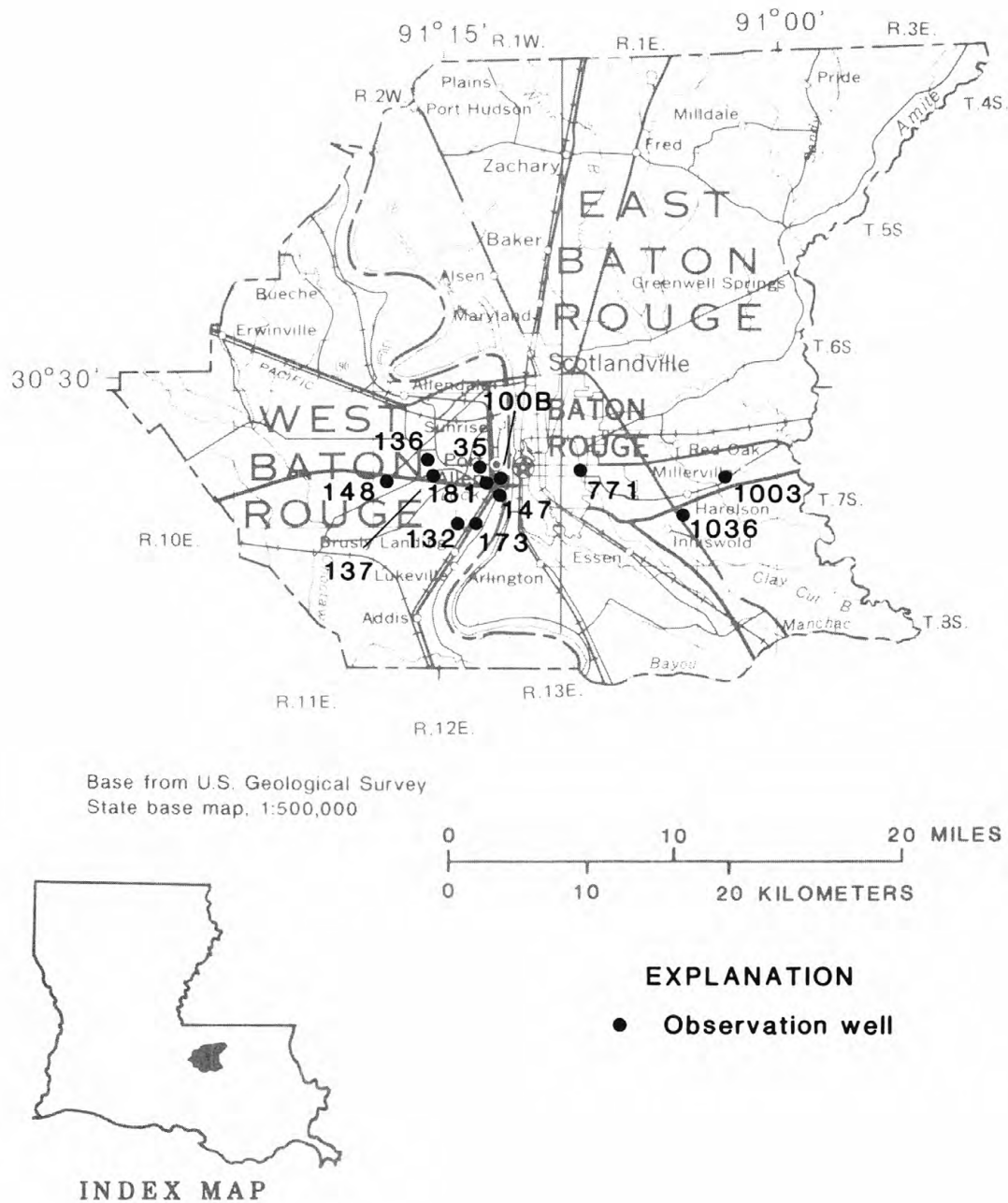


Figure 13. --Location of wells for which water-quality data are included in East and West Baton Rouge Parishes.

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.

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

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from 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 thread-like 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 $\pm$ 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 $\pm$ 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 $\pm$ 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 ($\mu\text{g/g}$) 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 ($\mu\text{g/kg}$) 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 ($\mu\text{g/L}$) 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.

Microsiemens per centimeter ($\mu\text{S/cm}$) is a unit expressing measurement of specific electrical conductance.

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-exo-1,4-endo-5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene.

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-6-methyl-4-pyrimidinyl) phosphorothioate.

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-methano-1H indene.

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

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 0-4-nitrophenyl phosphorothioate.

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

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

Mirex 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 S-[[[p-chlorophenyl]thio]methyl] 0,0-diethyl phosphorodithioate.

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

- 1-D1. **Water temperature--influential factors, field measurement, and data presentation**, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. **Guidelines for collection and field analysis of ground-water samples for selected unstable constituents**, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. **Application of surface geophysics to ground-water investigations**, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. **Application of seismic-refraction techniques to hydrologic studies**, by F.P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. **Application of borehole geophysics to water-resources investigations**, by W.S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-F1. **Application of drilling, coring, and sampling techniques to test holes and wells**, by Eugene Shuter and Warren E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. **General field and office procedures for indirect discharge measurements**, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. **Measurement of peak discharge by the slope-area method**, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. **Measurement of peak discharge at culverts by indirect methods**, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. **Measurement of peak discharge at width contractions by indirect methods**, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. **Measurement of peak discharge at dams by indirect methods**, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. **General procedure for gaging streams**, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. **Stage measurements at gaging stations**, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. **Discharge measurements at gaging stations**, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. **Measurement of time of travel in streams by dye tracing**, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A10. **Discharge ratings at gaging stations**, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. **Measurement of discharge by moving-boat method**, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. **Fluorometric procedures for dye tracing**, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
- 3-A13. **Computation of continuous records of streamflow**, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. **Use of flumes in measuring discharge**, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. **Computation of water-surface profiles in open channels**, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. **Measurement of discharge using tracers**, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. **Acoustic velocity meter systems**, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
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- 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-B5. **Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction**, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. **The principle of superposition and its application in ground-water hydraulics**, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-C1. **Fluvial sediment concepts**, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. **Field methods for measurement of fluvial sediment**, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. **Computation of fluvial-sediment discharge**, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. **Some statistical tools in hydrology**, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. **Frequency curves**, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. **Low-flow investigations**, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. **Storage analyses for water supply**, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 4-B3. **Regional analyses of streamflow characteristics**, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. **Computation of rate and volume of stream depletion by wells**, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. **Methods for determination of inorganic substances in water and fluvial sediments**, by M.J. Fishman and L.C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. **Determination of minor elements in water by emission spectroscopy**, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. **Methods for the determination of organic substances in water and fluvial sediments**, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. **Methods for collection and analysis of aquatic biological and microbiological samples**, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. **Methods for determination of radioactive substances in water and fluvial sediments**, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. **Quality assurance practices for the chemical and biological analyses of water and fluvial sediments**, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. **Laboratory theory and methods for sediment analysis**, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. **A modular three-dimensional finite-difference ground-water flow model**, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 7-C1. **Finite difference model for aquifer simulation in two dimensions with results of numerical experiments**, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. **Computer model of two-dimensional solute transport and dispersion in ground water**, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. **A model for simulation of flow in singular and interconnected channels**, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. **Methods of measuring water levels in deep wells**, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. **Installation and service manual for U.S. Geological Survey manometers**, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. **Calibration and maintenance of vertical-axis type current meters**, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

HYDROLOGIC-DATA STATION RECORDS

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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.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 9,869 ft³/s, 20.39 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, 40,200 ft³/s, May 26, gage height, 20.33 ft; minimum discharge, 2,220 ft³/s, Sept. 25; minimum gage height, 7.88 ft, Oct. 22, 23, and Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3630	2570	12800	14700	8070	12500	32400	4920	13300	7020	6370	2620
2	6750	2510	11100	26500	9600	13200	32100	5250	9290	7480	7410	2540
3	9680	2420	9970	31200	10300	16000	31200	4530	7210	10700	7660	2460
4	15900	2360	9160	31700	10000	19000	29000	3990	6810	12000	6100	2420
5	15400	2430	8530	30700	9830	22600	26800	5220	8290	11800	5660	2400
6	e10500	2520	7730	28900	9850	28200	22900	6650	9180	13100	5670	2390
7	e7290	2600	6740	26000	9700	31700	18800	6920	10100	13100	5410	2430
8	e5250	2890	5940	22000	9380	32500	16500	9140	12900	14100	5170	2470
9	e4000	3650	5250	18800	9620	31800	14300	10800	19200	15500	4990	2520
10	e3280	3510	4620	17300	10400	31200	12000	12600	23000	16200	4620	2430
11	3120	3220	4730	17100	11100	30700	11700	14400	23900	17600	4120	2420
12	2950	3040	5680	19900	11300	30000	15200	15700	24800	18500	3850	2910
13	2810	3140	5840	23300	10800	29100	18300	16500	26100	18300	3560	3120
14	2660	4020	5460	25000	10000	27800	20300	16600	27900	17700	3260	2970
15	2580	3890	5010	26400	9370	25700	21200	15700	29200	16900	3050	3360
16	2530	4700	4510	28100	8640	21900	21200	13500	29700	16200	2930	3110
17	2460	5350	4160	29700	7800	17500	20000	11200	30400	15200	3050	2980
18	2410	5070	4010	31300	7320	13700	18300	9880	31600	13300	3210	2950
19	2380	5020	4110	32800	7260	10700	15600	12600	32800	10200	3200	2800
20	2340	5160	4220	33700	7080	8410	11300	23500	32700	8350	3030	2620
21	2310	8080	4190	34200	6800	7070	8310	29000	30200	7830	2840	2450
22	2300	14100	4060	34600	7950	7380	6690	31400	21300	7060	2740	2360
23	2300	17000	4200	34800	9210	12500	5890	33300	14300	6590	2680	2300
24	2390	17500	6540	34700	10700	22700	5330	35300	11000	6580	2790	2250
25	2630	16600	10400	34300	11800	25700	4820	38200	8710	6370	2820	2220
26	2930	14800	14200	33400	12200	23100	4330	39800	7260	6500	2700	2230
27	2890	13400	12800	31400	12100	19000	3990	39700	6860	6470	2780	2260
28	2740	18200	10700	26500	12100	16600	3750	38600	6590	6360	3420	2290
29	2640	19100	9500	16900	---	14900	3790	37100	7330	5850	3360	2380
30	2580	16000	8380	10700	---	22100	4480	34100	7610	6160	2990	2730
31	2580	---	8100	8430	---	30800	---	23900	---	6240	2750	---
TOTAL	136210	224850	222640	815030	270280	656060	460480	600000	529540	345260	124190	77390
MEAN	4394	7495	7182	26290	9653	21160	15350	19350	17650	11140	4006	2580
MAX	15900	19100	14200	34800	12200	32500	32400	39800	32800	18500	7660	3360
MIN	2300	2360	4010	8430	6800	7070	3750	3990	6590	5850	2680	2220
CFSM	.67	1.14	1.09	4.00	1.47	3.22	2.34	2.94	2.69	1.69	.61	.39
IN.	.77	1.27	1.26	4.61	1.53	3.71	2.61	3.40	3.00	1.95	.70	.44

CAL YR 1988 TOTAL 2704830 MEAN 7390 MAX 47500 MIN 1840 CFSM 1.12 IN. 15.31
WTR YR 1989 TOTAL 4461930 MEAN 12220 MAX 39800 MIN 2220 CFSM 1.86 IN. 25.25

e Estimated.

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.72	8.24	16.46	16.76	14.23	16.36	19.60	11.66	16.57	13.56	13.05	8.65
2	12.53	8.14	15.81	18.95	15.10	16.58	19.56	12.04	14.93	13.86	13.79	8.52
3	14.41	8.00	15.30	19.47	15.45	17.30	19.47	11.19	13.68	15.62	13.97	8.41
4	16.75	7.91	14.88	19.53	15.33	17.98	19.23	10.55	13.40	16.19	12.81	8.35
5	16.62	8.02	14.51	19.42	15.23	18.49	18.98	11.93	14.37	16.11	12.43	8.32
6	---	8.15	14.02	19.22	15.23	19.14	18.53	13.29	14.89	16.57	12.43	8.31
7	---	8.27	13.35	18.89	15.16	19.53	17.95	13.46	15.35	16.56	12.20	8.36
8	---	8.68	12.67	18.41	14.99	19.60	17.43	14.85	16.46	16.85	11.95	8.43
9	---	9.67	12.03	17.95	15.12	19.54	16.91	15.71	17.99	17.19	11.73	8.50
10	---	9.52	11.30	17.61	15.50	19.47	16.17	16.37	18.54	17.36	11.30	8.37
11	9.08	9.14	11.43	17.58	15.85	19.42	16.05	16.92	18.65	17.71	10.70	8.35
12	8.85	8.87	12.44	18.12	15.93	19.34	17.13	17.25	18.75	17.91	10.37	9.08
13	8.64	9.02	12.58	18.57	15.72	19.24	17.86	17.43	18.90	17.87	10.00	9.40
14	8.44	10.03	12.25	18.78	15.32	19.09	18.19	17.45	19.10	17.71	9.60	9.18
15	8.31	9.90	11.76	18.93	14.99	18.85	18.32	17.24	19.26	17.53	9.30	9.73
16	8.24	10.75	11.17	19.13	14.58	18.40	18.31	16.68	19.30	17.37	9.12	9.38
17	8.14	11.44	10.76	19.31	14.06	17.68	18.16	15.84	19.38	17.14	9.30	9.19
18	8.06	11.15	10.56	19.48	13.75	16.72	17.86	15.25	19.51	16.62	9.52	9.15
19	8.01	11.09	10.69	19.63	13.71	15.64	17.21	16.26	19.63	15.41	9.50	8.93
20	7.95	11.24	10.82	19.73	13.60	14.43	15.89	18.58	19.63	14.40	9.27	8.65
21	7.90	13.32	10.79	19.78	13.41	13.59	14.37	19.23	19.36	14.08	8.99	8.40
22	7.88	16.45	10.63	19.82	14.16	13.79	13.30	19.49	18.27	13.58	8.83	8.25
23	7.88	17.44	10.80	19.83	14.90	16.11	12.63	19.69	16.89	13.24	8.75	8.16
24	8.01	17.61	13.10	19.82	15.66	18.50	12.11	19.88	15.78	13.23	8.91	8.09
25	8.36	17.34	15.45	19.79	16.08	18.85	11.53	20.16	14.61	13.05	8.95	8.05
26	8.77	16.70	16.87	19.69	16.24	18.55	10.96	20.29	13.71	13.16	8.77	8.07
27	8.71	16.14	16.45	19.49	16.22	17.99	10.55	20.29	13.45	13.13	8.90	8.11
28	8.51	17.73	15.63	18.94	16.21	17.45	10.24	20.19	13.24	13.04	9.81	8.16
29	8.35	18.02	15.06	17.48	---	17.04	10.29	20.05	13.76	12.59	9.73	8.29
30	8.26	17.30	14.42	15.63	---	18.36	11.14	19.76	13.95	12.86	9.21	8.82
31	8.26	---	14.25	14.45	---	19.42	---	18.61	---	12.94	8.84	---
MAX	---	18.02	16.87	19.83	16.24	19.60	19.60	20.29	19.63	17.91	13.97	9.73
MIN	---	7.91	10.56	14.45	13.41	13.59	10.24	10.55	13.24	12.59	8.75	8.05

PEARL RIVER BASIN

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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, 526 mg/L Nov. 22; minimum daily mean, 17 mg/L Dec. 18.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 35,300 tons Jan. 3; minimum daily, 153 tons Nov. 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 13...	1115	2810	72	6.30	16.0	30	17	8.5	1.7	210	220
JAN 05...	1000	30700	54	6.70	11.0	100	45	9.1	2.7	340	420
APR 19...	1000	15600	58	7.01	20.5	70	27	8.4	0.9	--	K16
JUL 07...	0900	13100	58	6.52	26.5	80	32	6.2	1.1	K20	340

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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)
OCT 13...	13	3.5	1.1	7.9	1.9	15	11	6.1	<0.1	13	63
JAN 05...	12	3.1	1.0	4.3	2.7	10	5.6	4.5	<0.1	7.2	55
APR 19...	14	3.5	1.3	4.9	1.8	14	5.8	4.5	0.1	7.5	51
JUL 07...	14	4.0	0.95	4.8	1.8	14	6.0	4.4	0.1	7.9	55

< 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

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)
OCT 13...	54	<0.01	0.28	0.01	0.02	0.2	0.08	0.04	0.01	30
JAN 05...	35	<0.01	0.14	0.08	0.06	1.1	0.14	0.03	0.01	160
APR 19...	38	0.01	0.19	0.04	0.03	0.6	0.10	0.04	0.03	110
JUL 07...	38	0.01	0.25	0.05	0.04	0.7	0.10	0.05	0.04	80

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 13...	<1	31	<0.5	<1	<1	<3	5	150	<5	<4	87
JAN 05...	1	28	<0.5	<1	<1	<3	4	300	<5	<4	44
APR 19...	<1	25	<0.5	<1	<1	<3	2	550	<5	<4	12
JUL 07...	1	27	<0.5	<1	<1	<3	4	480	2	<4	9

DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 13...	<0.1	<10	1	<1	<1	30	<6	4	41	311	98
JAN 05...	<0.1	<10	1	<1	<1	24	<6	27	284	1860	63
APR 19...	<0.1	<10	4	<1	<1	28	<6	7	98	4130	71
JUL 07...	<0.1	<10	<1	<1	<1	31	<6	3	97	3430	82

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

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

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	81	794	28	194	147	5080	289	12700	81	1760	105	3540
2	141	2570	30	203	122	3660	464	33200	104	2700	---	---
3	143	3740	31	203	102	2750	419	35300	107	2980	112	4840
4	324	13900	24	153	87	2150	319	27300	108	2920	186	9540
5	236	9810	31	203	85	1960	267	22100	97	2570	239	14600
6	127	3600	31	211	67	1400	236	18400	86	2290	408	31100
7	85	1670	27	190	60	1090	207	14500	77	2020	314	26900
8	83	1180	37	289	54	866	178	10600	63	1600	248	21800
9	56	605	53	522	49	695	159	8070	58	1510	265	22800
10	42	372	50	474	47	586	153	7150	71	1990	264	22200
11	43	362	46	400	45	575	167	7710	109	3270	256	21200
12	34	271	36	295	47	721	223	12000	95	2900	205	16600
13	30	228	37	314	46	725	216	13600	73	2130	214	16800
14	31	223	52	564	40	590	217	14600	58	1570	217	16300
15	27	188	48	504	28	379	196	14000	50	1260	170	11800
16	26	178	53	673	25	304	198	15000	45	1050	137	8100
17	26	173	60	---	22	247	261	20900	42	885	134	6330
18	27	176	62	849	17	184	264	22300	39	771	91	3370
19	29	186	59	800	18	200	255	22600	36	706	73	2110
20	29	183	59	822	24	273	272	24700	37	707	68	1540
21	29	181	152	3610	25	283	252	23300	44	808	70	1340
22	29	180	526	20000	26	285	251	23400	63	1350	77	1530
23	32	199	464	21300	31	352	257	24100	91	2260	117	4310
24	37	239	317	15000	77	1360	237	22200	164	4740	294	18000
25	41	291	283	12700	178	5000	211	19500	186	5930	257	17800
26	47	372	181	7230	215	8240	255	23000	152	5010	198	12300
27	49	382	124	4490	143	4940	221	18700	133	4350	154	7900
28	44	326	278	13700	138	3990	182	13000	102	3330	122	5470
29	37	264	240	12400	110	2820	153	6980	---	---	126	5070
30	35	244	172	7430	76	1720	137	3960	---	---	226	13500
31	32	223	---	---	74	1620	100	2280	---	---	305	25400
TOTAL	---	43310	---	125723	---	55045	---	537150	---	65367	---	374090
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	305	26700	87	1160	163	5850	42	796	50	860	46	325
2	246	21300	88	1250	102	2560	56	1130	64	1280	41	281
3	222	18700	58	709	87	1690	86	2480	67	1390	38	252
4	186	14600	51	549	75	1380	---	---	49	807	38	248
5	160	11600	77	1090	112	2510	98	3120	51	779	31	201
6	144	8900	85	1530	112	2780	115	4070	46	704	28	181
7	132	6700	108	2020	121	3300	102	3610	46	672	35	230
8	115	5120	178	4390	148	5150	122	4640	54	754	38	253
9	86	3320	191	5570	173	8970	112	4690	54	728	36	245
10	86	2790	198	6740	293	18200	133	5820	54	674	41	269
11	101	3190	204	7930	352	22700	158	7510	56	623	42	274
12	182	7470	204	8650	308	20600	152	7590	51	530	55	432
13	208	10300	198	8820	238	16800	128	6320	62	596	71	598
14	195	10700	181	8110	183	13800	108	5160	62	546	58	465
15	172	9850	162	6870	198	15600	105	4790	52	428	69	626
16	142	8130	143	5210	217	17400	102	4460	48	380	45	378
17	120	6480	99	2990	241	19800	95	3900	43	354	47	378
18	106	5240	83	2210	223	19000	87	3120	45	390	48	382
19	94	3960	137	4660	216	19100	76	2090	49	423	41	310
20	80	2440	322	20400	173	15300	66	1490	49	401	35	248
21	72	1620	392	30700	141	11500	59	1250	49	376	33	218
22	74	1340	342	29000	126	7250	54	1030	51	377	31	198
23	60	954	283	25400	115	4440	53	943	46	333	34	211
24	50	720	240	22900	90	2670	56	995	40	301	35	213
25	46	599	278	28700	97	2280	58	998	40	305	29	174
26	44	514	291	31300	78	1530	51	895	38	277	29	175
27	45	485	250	26800	74	1370	46	804	38	285	27	165
28	52	526	210	21900	54	961	50	859	55	508	24	148
29	65	665	175	17500	64	1270	58	916	55	499	25	161
30	80	968	167	15400	52	1070	57	948	54	436	29	214
31	---	---	168	10800	---	---	57	960	52	386	---	---
TOTAL	---	195881	---	361258	---	266831	---	87384	---	17402	---	8453

PEARL RIVER BASIN

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, Hydro-logic 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, 20,600 ft³/s, Mar. 30, gage height, 14.81 ft; minimum gage height, 1.14 ft, Sept. 9, 10, 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.21	1.33	2.12	10.90	2.04	1.82	6.92	2.14	1.81	2.07	1.85	1.21
2	2.99	1.29	1.83	12.42	2.01	2.25	5.42	1.76	1.87	1.92	2.45	1.21
3	6.42	1.26	1.67	7.46	1.87	4.10	3.56	1.58	1.79	3.89	1.75	1.19
4	4.31	1.25	1.57	5.53	1.79	4.09	3.00	1.82	2.64	4.78	1.58	1.16
5	3.19	1.43	1.50	3.72	1.77	4.50	3.04	5.25	2.23	4.68	1.48	1.16
6	2.23	1.35	1.46	3.12	1.77	4.33	2.67	3.91	2.69	4.20	1.44	1.17
7	1.79	1.27	1.43	2.79	1.98	3.59	2.38	2.84	3.27	3.97	1.44	1.18
8	1.60	1.26	1.41	2.53	2.01	2.80	2.23	2.19	5.16	2.83	2.62	1.16
9	1.50	1.25	1.38	2.35	2.02	2.33	2.12	1.89	6.51	2.29	1.73	1.15
10	1.47	1.24	1.39	2.42	1.87	2.09	2.14	1.75	4.92	2.28	1.47	1.16
11	1.43	1.28	2.32	3.12	1.77	1.93	2.91	1.67	3.69	2.10	1.40	1.90
12	1.39	1.25	2.33	3.58	1.71	1.82	2.70	1.57	2.57	1.87	1.36	1.76
13	1.35	1.57	2.01	3.23	1.66	1.74	2.32	1.52	2.15	1.70	1.33	1.43
14	1.33	1.71	1.82	3.19	1.63	1.68	2.13	1.50	2.09	1.97	1.32	1.35
15	1.31	1.52	1.70	4.37	1.60	1.63	2.04	1.49	3.48	2.83	1.30	1.56
16	1.30	1.43	1.74	4.23	1.57	1.58	1.96	1.85	4.24	2.44	1.28	1.51
17	1.29	1.34	1.82	3.45	1.54	1.54	1.87	1.61	3.75	2.72	1.28	1.64
18	1.27	1.29	1.85	3.20	1.52	1.51	1.80	1.68	3.22	2.26	1.28	1.40
19	1.27	1.29	1.72	4.63	1.50	1.48	1.74	11.88	2.34	1.89	1.28	1.27
20	1.26	3.27	1.61	5.70	1.50	1.47	1.69	12.51	2.07	1.72	1.26	1.22
21	1.25	5.49	1.54	5.48	4.62	2.33	1.63	9.96	1.87	1.67	1.25	1.19
22	1.24	3.94	1.49	4.82	5.64	2.28	1.60	7.37	1.88	2.05	1.24	1.18
23	1.23	3.15	2.33	4.04	4.12	4.48	1.57	4.78	1.74	2.20	1.25	1.17
24	1.22	2.07	5.22	3.04	3.09	4.90	1.54	3.57	1.74	1.89	1.25	1.16
25	1.20	1.72	6.69	2.63	2.32	4.08	1.52	4.07	1.64	2.31	1.27	1.16
26	1.21	1.58	6.57	2.39	2.04	3.07	1.49	3.75	1.58	2.15	1.26	1.16
27	1.26	4.24	4.20	2.22	1.90	2.42	1.47	2.82	1.55	2.30	1.24	1.17
28	1.27	5.45	3.06	2.12	1.88	2.12	1.54	2.29	1.56	2.02	1.27	1.21
29	1.93	3.97	2.57	2.04	---	4.15	2.19	2.06	1.70	1.96	1.24	1.56
30	1.59	2.69	2.37	1.98	---	13.78	2.81	1.93	2.70	1.77	1.22	2.14
31	1.36	---	3.35	1.96	---	10.45	---	1.85	---	1.62	1.22	---
MAX	6.42	5.49	6.69	12.42	5.64	13.78	6.92	12.51	6.51	4.78	2.62	2.14
MIN	1.20	1.24	1.38	1.96	1.50	1.47	1.47	1.49	1.55	1.62	1.22	1.15

PEARL RIVER BASIN

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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 sec.42, T.5 S., R.13 E., St. Tammany Parish, Hydrologic 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. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--52 years, 1,923 ft³/s, 21.53 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)
Jan. 3	1700	18,400	12.31	May 21	1030	18,600	12.34
Mar. 31	1830	*23,400	*13.04				

Minimum daily discharge, 650 ft³/s, Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	822	2260	2510	1480	1440	17800	2010	1370	1990	1400	e820
2	2190	772	1590	6830	1520	1420	10300	1760	1390	1880	2380	e800
3	2860	745	1330	16700	1470	2070	6510	1320	1570	2150	2420	e780
4	4510	720	1200	13100	1390	3100	3700	1070	1620	3130	1600	e800
5	4800	708	1110	7380	1340	3290	2620	1900	1970	4020	1260	e780
6	2730	753	1050	4100	1320	4010	2430	4180	1950	4460	1120	e770
7	1660	812	1010	2670	1330	4620	2050	4390	2270	4070	1040	e1000
8	1260	732	982	2210	1450	3480	1720	2460	2590	3540	1250	e1550
9	1080	705	960	1960	1450	2450	1530	1620	3830	2510	1770	e1150
10	988	695	942	1840	1440	1980	1420	1320	6040	1920	1300	e900
11	934	694	1330	1970	1340	1740	1500	1180	5540	1920	1070	e800
12	890	710	2180	2440	1270	1590	1930	1100	3620	1710	992	e880
13	847	709	2060	2760	1220	1480	1790	1030	2240	1470	952	e820
14	811	819	1610	2580	1200	1390	1530	995	1760	1380	924	e790
15	786	1020	1370	2850	1180	1330	1390	973	2020	1950	901	e760
16	770	928	1270	3680	1160	1270	1320	975	2920	2360	880	e820
17	758	880	1270	3720	1130	1210	1240	1240	3430	2160	865	e840
18	746	820	1290	2970	1110	1170	1160	1070	3110	2250	855	e750
19	736	764	1280	2780	1100	1140	1110	1660	2840	1870	854	e720
20	727	768	1190	4030	1090	1110	1070	6190	2590	1500	850	e690
21	718	1220	1120	5420	1280	1160	1020	17700	2050	1310	837	e700
22	712	3190	1070	5830	3260	1710	983	15800	1690	1270	824	e720
23	703	3430	1190	5010	4690	2700	954	11300	1550	1550	832	e690
24	695	2500	2850	3910	3730	4100	929	6820	1370	1600	850	e670
25	687	1590	4850	2760	2470	4690	912	3800	1370	1570	830	e650
26	676	1160	6080	2260	1810	3760	894	3390	1360	1750	833	e660
27	678	1120	7270	2020	1560	2570	872	3180	1300	1680	e800	e670
28	701	2720	5240	1850	1460	1950	863	2420	1200	1720	e780	e680
29	710	4890	2860	1720	---	1800	1040	1970	1320	1540	e1480	e700
30	940	4050	2090	1600	---	4340	1420	1730	1490	1440	e1300	e880
31	1030	---	1840	1510	---	18400	---	1540	---	1300	e900	---
TOTAL	39603	41446	63744	122970	46250	88470	74007	108093	69370	64970	34949	24240
MEAN	1278	1382	2056	3967	1652	2854	2467	3487	2312	2096	1127	808
MAX	4800	4890	7270	16700	4690	18400	17800	17700	6040	4460	2420	1550
MIN	676	694	942	1510	1090	1110	863	973	1200	1270	780	650
CFSM	1.05	1.14	1.70	3.27	1.36	2.35	2.03	2.87	1.91	1.73	.93	.67
IN.	1.21	1.27	1.95	3.77	1.42	2.71	2.27	3.31	2.13	1.99	1.07	.74
CAL YR 1988	TOTAL 778132		MEAN 2126		MAX 24200		MIN 617		CFSM 1.75		IN. 23.86	
WTR YR 1989	TOTAL 778112		MEAN 2132		MAX 18400		MIN 650		CFSM 1.76		IN. 23.86	

e Estimated.

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.16	4.11	6.83	7.08	5.23	5.14	12.20	6.48	5.00	6.19	5.05	---
2	6.91	3.98	5.66	9.83	5.32	5.11	10.85	6.03	5.04	6.00	6.84	---
3	7.80	3.90	5.12	12.03	5.21	6.30	9.85	5.13	5.41	6.47	6.90	---
4	8.95	3.83	4.83	11.41	5.03	7.80	8.39	4.57	5.50	7.80	5.46	---
5	9.12	3.80	4.63	10.12	4.93	7.99	7.45	6.19	6.15	8.60	4.76	---
6	7.59	3.93	4.49	8.61	4.88	8.58	7.19	8.73	6.12	8.91	4.43	---
7	5.97	4.09	4.40	7.27	4.92	9.01	6.55	8.86	6.68	8.63	4.26	---
8	5.16	3.87	4.33	6.58	5.16	8.14	5.95	7.16	7.18	8.20	4.73	---
9	4.76	3.79	4.27	6.14	5.17	6.95	5.59	5.75	8.40	7.03	5.79	---
10	4.53	3.76	4.23	5.92	5.15	6.18	5.36	5.14	9.70	6.07	4.85	---
11	4.40	3.76	5.09	6.15	4.94	5.74	5.51	4.84	9.48	6.06	4.33	---
12	4.29	3.81	6.73	6.95	4.78	5.44	6.34	4.65	8.24	5.68	4.14	---
13	4.18	3.80	6.53	7.41	4.68	5.22	6.07	4.47	6.62	5.20	4.04	---
14	4.08	4.10	5.69	7.16	4.62	5.05	5.57	4.40	5.78	5.02	3.97	---
15	4.02	4.62	5.21	7.50	4.58	4.91	5.28	4.35	6.24	6.11	3.92	---
16	3.97	4.38	4.98	8.33	4.53	4.79	5.14	4.35	7.59	6.83	3.86	---
17	3.94	4.26	4.99	8.37	4.47	4.66	4.97	4.96	8.12	6.50	3.82	---
18	3.91	4.11	5.03	7.64	4.42	4.56	4.79	4.58	7.81	6.65	3.80	---
19	3.88	3.96	5.01	7.42	4.39	4.49	4.68	5.71	7.51	5.98	3.79	---
20	3.85	3.97	4.82	8.59	4.38	4.43	4.58	9.47	7.16	5.26	3.78	---
21	3.83	4.97	4.65	9.44	4.79	4.53	4.47	12.20	6.30	4.87	3.75	---
22	3.81	8.05	4.54	9.63	7.85	5.68	4.37	11.89	5.65	4.78	3.72	---
23	3.79	8.28	4.79	9.24	9.05	7.28	4.30	11.08	5.37	5.37	3.74	---
24	3.77	7.38	7.54	8.50	8.35	8.65	4.24	9.93	5.00	5.47	3.78	---
25	3.74	5.83	9.14	7.39	6.97	9.06	4.19	8.41	5.01	5.41	3.73	---
26	3.71	4.94	9.72	6.66	5.87	8.38	4.15	8.09	4.99	5.75	3.74	---
27	3.72	4.85	10.12	6.26	5.40	7.12	4.09	7.87	4.84	5.61	---	---
28	3.78	7.43	9.30	5.94	5.18	6.13	4.07	6.92	4.64	5.70	---	---
29	3.81	9.17	7.63	5.69	---	5.84	4.49	6.16	4.88	5.34	---	---
30	4.40	8.63	6.58	5.46	---	8.65	5.35	5.72	5.25	5.15	---	---
31	4.63	---	6.14	5.29	---	12.23	---	5.36	---	4.84	---	---
MAX	9.12	9.17	10.12	12.03	9.05	12.23	12.20	12.20	9.70	8.91	---	---
MIN	3.71	3.76	4.23	5.29	4.38	4.43	4.07	4.35	4.64	4.78	---	---

PEARL RIVER BASIN

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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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 13...	1330	847	43	6.41	18.5	15	5.9	8.9	1.5	96	80
DEC 07...	1000	1010	46	6.52	12.5	20	5.6	10.2	1.4	140	120
FEB 16...	0915	1160	43	6.89	19.0	20	7.1	9.3	0.3	92	200
APR 19...	1100	1110	43	6.92	22.0	30	9.0	8.5	1.0	--	52
JUN 07...	1030	2270	39	6.74	25.0	50	22	7.3	1.5	760	640
AUG 18...	1200	855	43	6.46	27.0	30	11	7.6	1.0	50	44

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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 SI02)
OCT 13...	10	2.2	1.0	4.1	1.3	8	3.1	5.4	<0.1	15
DEC 07...	9	2.1	1.0	3.9	1.4	11	3.8	6.1	<0.1	12
FEB 16...	9	2.0	0.88	3.8	1.8	10	4.4	5.9	0.1	8.6
APR 19...	9	2.0	1.0	3.8	1.2	8	1.5	5.3	0.1	11
JUN 07...	9	2.0	0.97	4.0	1.6	12	2.0	5.9	<0.1	9.7
AUG 18...	9	2.1	0.87	4.2	1.2	10	1.3	5.8	<0.1	11

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

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO. DIS- SOLVED (MG/L AS P)
OCT 13...	39	39	<0.01	0.25	0.01	0.03	<0.2	0.06	0.03	0.01
DEC 07...	44	37	<0.01	0.28	0.02	0.02	<0.2	0.04	<0.01	0.02
FEB 16...	32	34	0.01	0.22	<0.01	<0.01	0.3	0.04	0.01	0.01
APR 19...	35	33	<0.01	0.27	0.05	0.02	0.4	0.04	0.03	0.02
JUN 07...	37	34	<0.01	0.34	0.05	0.06	0.7	0.07	0.03	0.03
AUG 18...	--	34	<0.01	0.12	0.01	0.01	0.3	0.05	0.02	0.02

DATE	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)
OCT 13...	20	<1	35	<0.5	<1	<1	<3	1	210	<5
FEB 16...	40	<1	28	<0.5	<1	<1	<3	1	270	<5
APR 19...	40	<1	31	<0.5	<1	<1	<3	2	270	<5
AUG 18...	<10	<1	25	<0.5	<1	1	<3	3	240	1

DATE	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)
OCT 13...	<4	120	<0.1	<10	1	<1	1.0	23	<6	5
FEB 16...	<4	48	<0.1	<10	1	<1	<1.0	20	<6	4
APR 19...	<4	56	<0.1	<10	3	<1	<1.0	22	<6	7
AUG 18...	<4	66	<0.1	<10	1	<1	<1.0	23	<6	31

DATE	SEDI- MENT, DIS- SOLVED PENDE (MG/L)	SEDI- MENT, DIS- SOLVED PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 13...	13	30	100
DEC 07...	15	41	95
FEB 16...	8	25	100
APR 19...	28	84	73
JUN 07...	49	300	100
AUG 18...	25	58	88

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

PEARL RIVER BASIN

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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 obtained from once daily observed readings. 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. Recorder malfunctioned throughout the entire year.

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 gage height observed, 15.70 ft, Apr. 2; minimum gage height observed, 4.31 ft, Sept. 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	12.79	10.40	11.20	11.01	14.80	7.43	14.40	9.53	8.73	5.08
2	---	---	12.41	10.60	10.25	11.08	15.61	8.10	13.38	9.99	9.10	4.84
3	---	---	11.69	12.29	9.89	11.31	15.50	8.25	12.08	10.65	9.65	4.73
4	---	---	11.01	15.30	10.05	11.69	15.09	7.99	10.69	11.00	9.86	4.71
5	---	---	10.48	15.02	10.25	12.28	14.73	7.68	9.80	11.75	9.39	4.86
6	---	---	10.05	14.85	10.23	12.87	14.25	---	9.86	11.99	8.60	4.81
7	---	---	9.68	14.40	10.18	13.38	13.76	---	10.32	12.08	8.19	4.68
8	---	---	9.27	14.00	10.15	13.97	13.29	---	11.09	12.11	8.18	4.67
9	---	---	8.79	13.58	10.13	14.30	12.69	10.03	11.45	12.05	8.10	4.65
10	---	---	8.34	13.16	10.09	14.38	12.14	10.13	12.00	11.95	8.01	4.65
11	---	---	8.21	12.79	10.17	14.23	11.63	10.42	12.89	11.93	7.60	4.60
12	---	---	8.49	12.56	10.36	14.08	11.23	10.79	13.44	12.00	7.09	4.70
13	---	5.27	8.85	12.59	10.57	13.94	11.25	11.14	13.42	12.19	6.65	5.27
14	---	5.30	8.99	12.88	10.60	13.81	11.68	11.43	13.39	12.28	6.30	5.60
15	---	5.74	8.72	13.20	10.48	13.70	12.13	---	13.55	12.39	5.98	5.51
16	---	6.10	8.29	13.41	10.24	13.54	12.45	11.70	13.73	12.41	5.68	5.60
17	---	6.39	7.81	13.64	9.97	13.26	12.59	11.54	13.88	12.40	5.44	5.68
18	---	6.89	7.40	13.83	9.62	12.81	12.60	11.52	13.98	12.21	5.38	5.56
19	---	6.99	7.16	14.00	9.28	12.19	12.45	11.58	14.25	11.95	5.44	5.50
20	---	7.31	7.06	14.28	9.08	11.44	12.18	10.91	14.55	11.43	5.48	5.29
21	---	7.90	7.03	14.62	9.03	10.58	11.63	12.11	14.71	10.59	5.45	5.00
22	---	8.19	6.88	14.93	9.16	10.02	10.70	14.32	14.51	9.83	5.30	4.73
23	---	9.50	6.56	15.10	9.71	10.23	9.63	15.08	14.13	9.41	5.12	4.51
24	---	10.80	7.28	15.12	10.47	11.08	8.75	15.11	13.05	9.20	5.01	4.41
25	---	11.64	9.30	15.05	10.92	12.33	8.14	15.00	11.90	9.09	4.95	4.44
26	---	11.87	10.57	14.90	11.04	13.28	7.65	15.04	10.92	9.03	4.96	4.43
27	---	11.79	11.70	14.72	11.03	13.58	7.17	15.32	10.02	8.98	4.95	4.32
28	---	11.59	12.49	14.48	11.02	13.28	6.77	15.59	9.29	8.98	4.91	4.35
29	---	11.70	12.45	14.17	---	12.81	6.54	15.58	9.03	8.90	5.14	4.50
30	---	12.39	11.66	13.52	---	12.79	6.76	15.39	9.28	8.69	5.58	4.72
31	---	---	10.93	12.43	---	13.40	---	15.02	---	8.58	5.40	---
MAX	---	---	12.79	15.30	11.20	14.38	15.61	---	14.71	12.41	9.86	5.68
MIN	---	---	6.56	10.40	9.03	10.02	6.54	---	9.03	8.58	4.91	4.32

LOWER MISSISSIPPI RIVER BASIN

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 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

REMARKS.--Records for the 1989 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, 18,000 tons Aug. 14, 15, 17, 18, 1988.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A suspended-sediment discharge of 18,600 tons was observed on Aug. 15, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
13...	1015	176000	174	82500	99
26...	1015	157000	116	49000	100
NOV					
09...	1015	153000	144	59600	75
23...	1115	370000	387	386000	100
DEC					
09...	1115	370000	189	189000	94
21...	1115	356000	177	170000	96
JAN					
04...	1115	1080000	331	965000	97
19...	1115	595000	183	295000	98
FEB					
08...	1115	723000	260	507000	91
22...	1115	696000	250	471000	97
MAR					
07...	1115	594000	185	296000	96
APR					
04...	1115	527000	322	459000	93
21...	1115	665000	172	310000	100
MAY					
05...	1115	421000	154	175000	95
16...	1115	300000	122	99000	94
31...	1115	227000	144	88500	96
JUN					
20...	1115	143000	80	30900	98
JUL					
05...	1115	112000	89	27000	95
18...	1115	131000	72	25600	95
AUG					
01...	1115	162000	83	36200	99
15...	1115	120000	57	18600	95
29...	1115	141000	86	32700	94
SEP					
14...	1115	125000	86	29000	97
26...	1115	128000	143	49300	71

LOWER MISSISSIPPI RIVER BASIN

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07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86000	55000	278000	752000	564000	350000	411000	225000	88000	26000	36000	31000
2	91000	56000	263000	829000	578000	344000	415000	209000	87000	27000	34000	29000
3	95000	57000	255000	895000	565000	340000	440000	195000	83000	27000	32000	29000
4	94000	57000	241000	964000	553000	333000	458000	184000	81000	27000	29000	30000
5	93000	56000	228000	963000	530000	312000	457000	175000	78000	27000	29000	32000
6	94000	57000	218000	954000	522000	302000	471000	163000	74000	28000	28000	31000
7	90000	57000	207000	936000	505000	296000	502000	152000	69000	29000	27000	30000
8	89000	58000	196000	906000	507000	298000	517000	144000	65000	30000	24000	29000
9	88000	59000	189000	872000	504000	309000	523000	135000	59000	30000	23000	31000
10	87000	64000	194000	829000	523000	327000	520000	126000	56000	29000	21000	30000
11	85000	67000	196000	783000	542000	345000	515000	119000	52000	29000	19000	30000
12	84000	70000	204000	722000	557000	363000	498000	113000	48000	28000	19000	28000
13	83000	72000	201000	658000	554000	394000	484000	107000	46000	26000	19000	29000
14	76000	76000	194000	590000	564000	423000	467000	102000	43000	25000	18000	29000
15	73000	83000	184000	519000	569000	458000	445000	99000	41000	24000	18000	30000
16	69000	90000	178000	456000	580000	488000	425000	99000	39000	23000	19000	33000
17	66000	145000	169000	388000	571000	513000	403000	100000	36000	24000	18000	38000
18	64000	200000	163000	338000	563000	524000	379000	103000	34000	25000	18000	39000
19	61000	232000	162000	294000	560000	526000	360000	104000	33000	28000	19000	39000
20	64000	288000	167000	285000	535000	512000	335000	104000	31000	28000	20000	37000
21	60000	331000	170000	281000	496000	494000	308000	104000	31000	28000	21000	37000
22	57000	368000	183000	280000	469000	485000	311000	102000	31000	28000	22000	38000
23	55000	386000	195000	285000	448000	473000	279000	97000	30000	27000	23000	40000
24	55000	369000	208000	294000	425000	461000	278000	94000	31000	26000	25000	42000
25	53000	339000	223000	313000	405000	448000	272000	91000	30000	25000	26000	47000
26	49000	312000	240000	340000	389000	466000	269000	86000	30000	25000	27000	49000
27	52000	293000	261000	378000	378000	439000	261000	84000	28000	25000	29000	49000
28	51000	282000	312000	430000	365000	414000	254000	83000	29000	27000	31000	51000
29	52000	276000	431000	471000	357000	402000	242000	84000	26000	34000	33000	56000
30	52000	277000	525000	507000	---	387000	237000	86000	26000	37000	32000	62000
31	54000	---	678000	538000	---	399000	---	88000	---	38000	31000	---
TOTAL	2222000	5132000	7513000	18050000	14678000	12625000	11736000	3757000	1435000	860000	770000	1105000
MEAN	71700	171000	242000	582000	506000	407000	391000	121000	47800	27700	24800	36800
MAX	95000	386000	678000	964000	580000	526000	523000	225000	88000	38000	36000	62000
MIN	49000	55000	162000	280000	357000	296000	237000	83000	26000	23000	18000	28000

RED RIVER BASIN

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, Hydro-logic 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.

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 daily discharges published above 5,000 ft³/s. No estimated daily discharges. 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 observed, 18.25 ft, June 9; minimum daily discharge, 1.770 ft³/s, Oct. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

[illegible]

RED RIVER BASIN

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07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.57	1.49	10.26	8.19	10.73	13.70	17.59	4.74	14.21	15.99	11.11	4.74
2	.62	1.27	9.94	8.62	11.54	13.49	17.31	4.54	13.85	15.89	10.80	4.57
3	.69	1.08	9.68	8.61	12.22	13.15	16.35	4.80	13.45	15.91	10.37	4.35
4	.68	.89	9.49	8.48	12.48	12.72	15.62	5.42	13.28	16.01	9.78	4.12
5	.59	.82	9.28	8.38	12.08	12.70	15.18	7.01	13.19	16.42	9.34	4.00
6	.51	1.12	9.00	8.35	11.90	12.90	14.93	7.80	13.53	16.92	9.14	3.90
7	.47	1.50	8.97	8.35	11.62	13.31	14.31	8.31	15.07	16.96	9.10	3.88
8	.47	1.72	9.05	7.89	11.66	13.23	13.44	8.88	17.26	16.40	9.10	3.81
9	.45	1.77	9.10	6.91	11.92	12.99	12.92	9.27	18.18	15.76	8.82	4.45
10	.42	1.74	8.82	6.43	11.90	12.88	12.32	9.50	18.22	15.10	8.42	5.05
11	.42	1.70	8.51	6.12	11.52	12.79	11.55	9.09	18.03	14.52	8.02	5.40
12	.49	2.16	8.21	5.73	11.22	12.65	10.48	8.41	17.73	13.87	7.70	5.32
13	.82	2.98	8.04	5.28	10.82	12.43	9.57	7.88	17.60	13.22	7.54	5.29
14	1.18	3.04	7.80	5.88	10.67	12.54	9.01	7.19	16.90	12.88	7.32	5.05
15	1.32	2.78	7.20	6.45	11.35	12.52	8.68	6.74	16.58	12.61	7.08	4.72
16	1.32	2.62	6.93	6.94	12.29	12.31	8.15	6.82	17.25	12.54	6.84	4.72
17	1.31	2.66	6.78	6.93	13.40	12.00	7.89	7.11	17.96	12.45	6.61	4.75
18	1.37	2.74	6.58	6.60	14.00	11.51	7.55	8.06	17.29	12.68	6.80	5.80
19	1.39	3.55	6.51	6.62	14.76	10.94	7.61	12.76	16.56	13.83	7.38	7.35
20	1.45	4.80	6.45	6.50	15.60	10.25	7.88	14.63	16.56	15.00	7.57	7.95
21	1.50	5.30	6.20	6.09	16.70	9.58	8.45	15.84	16.72	15.30	7.25	7.82
22	1.45	6.47	6.00	5.40	16.42	9.08	8.08	14.60	16.82	14.66	7.00	7.60
23	1.34	7.92	5.91	4.62	15.86	8.63	7.72	13.89	16.82	14.42	6.80	6.98
24	1.35	8.08	5.78	4.40	15.55	8.31	7.70	13.48	16.84	14.48	6.80	6.25
25	1.50	8.15	5.44	4.39	14.99	8.09	7.67	13.64	16.80	14.22	6.81	5.72
26	1.68	8.26	5.18	4.42	14.38	7.85	7.08	14.23	16.70	13.34	6.47	5.48
27	1.75	8.88	4.96	4.65	14.04	7.75	6.42	14.43	16.62	12.14	5.96	5.30
28	1.78	9.97	5.45	5.41	13.85	8.37	5.89	14.55	16.64	11.54	5.60	5.12
29	1.77	10.69	6.60	6.68	---	10.55	5.20	14.57	16.61	11.60	5.35	5.10
30	1.71	10.60	7.01	8.09	---	13.00	4.91	14.43	16.30	11.72	5.20	5.01
31	1.66	---	7.65	9.40	---	16.10	---	14.42	---	11.49	4.95	---
MAX	1.78	10.69	10.26	9.40	16.70	16.10	17.59	15.84	18.22	16.96	11.11	7.95
MIN	.42	.82	4.96	4.39	10.67	7.75	4.91	4.54	13.19	11.49	4.95	3.81

RED RIVER BASIN

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, 1986 to current year.

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

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (µS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (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 06...	0830	1040	8.01	19.0	15	3.6	8.4	74	4.3	1600
NOV 03...	0815	1340	7.83	18.0	20	15	9.8	25	2.9	K120
JAN 25...	1245	540	7.17	13.0	40	22	11.9	21	3.7	1100
FEB 15...	0830	369	7.11	11.0	60	65	11.0	21	2.9	1500
MAR 08...	1245	260	7.34	8.0	40	24	11.5	17	2.9	840
APR 27...	0915	542	7.62	23.5	50	21	8.0	40	1.6	140
MAY 12...	1145	246	7.70	21.0	70	80	7.5	29	--	1200
JUN 26...	1630	368	7.60	27.0	80	130	6.8	41	1.7	780
JUL 14...	1230	278	7.57	25.5	60	110	6.4	40	1.6	K800
JUL 26...	1330	445	7.36	27.5	50	55	6.3	35	1.0	290
AUG 30...	1330	563	7.78	30.5	30	25	7.7	36	2.3	K150
SEP 22...	0800	434	7.61	23.0	60	140	7.8	35	2.5	K400

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS, TOTAL (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, WAT FIELD (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 06...	K8	180	300	77	25	100	4.9	237	100	130
NOV 03...	K18	70	320	77	30	150	5.5	158	190	210
JAN 25...	K32	200	140	36	11	50	3.2	73	72	73
FEB 15...	220	--	99	27	7.7	34	2.7	55	49	49
MAR 08...	750	2100	66	19	4.4	20	2.4	46	27	28
APR 27...	K8	90	150	40	11	50	3.1	91	66	75
MAY 12...	K26	110	80	23	5.4	18	2.3	61	25	21
JUN 26...	280	970	100	32	5.8	29	3.1	75	33	42
JUL 14...	110	200	85	26	4.8	17	2.8	79	19	24
JUL 26...	88	94	120	33	8.1	38	3.6	72	47	58
AUG 30...	160	K90	160	46	11	48	4.1	121	57	68
SEP 22...	K140	K110	130	36	8.7	36	3.4	81	52	48

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

RED RIVER BASIN

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07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 06...	598	19	<0.01	<0.02	0.94	--	0.12	0.03	11
NOV 03...	807	34	0.01	<0.02	0.98	--	0.13	0.03	6.9
JAN 25...	306	33	0.02	0.47	0.74	1.2	0.14	0.05	7.5
FEB 15...	221	108	0.02	0.14	0.82	0.96	0.21	0.09	8.5
MAR 08...	150	103	0.02	0.22	0.79	1.0	0.20	0.09	7.9
APR 27...	306	69	0.01	<0.02	0.33	--	0.15	0.07	8.4
MAY 12...	143	176	0.03	0.19	0.80	0.99	0.17	0.08	9.3
26...	212	330	0.03	0.21	1.1	1.3	0.35	0.09	12
JUN 14...	156	170	0.03	0.18	0.86	1.0	0.24	0.12	10
JUL 26...	254	148	0.01	0.11	0.86	0.97	0.20	0.08	8.8
AUG 30...	327	87	0.02	<0.02	0.82	--	0.14	0.07	10
SEP 22...	255	298	0.05	0.33	1.2	1.5	0.24	0.10	10

DATE	ARSENIC TOTAL (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)
OCT 06...	2	<10	<1	<10	4	550	<5	240
FEB 15...	2	<10	<1	<10	6	4100	7	120
MAY 12...	3	<10	<1	<10	7	5400	<5	250
JUL 26...	4	<10	<1	<10	5	3600	3	220

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 06...	<0.1	<1	<1	10	<0.01	<1	<1
FEB 15...	<0.1	8	<1	30	<0.01	2	2
MAY 12...	0.1	8	<1	20	<0.01	3	<1
JUL 26...	<0.1	6	<1	10	<0.01	5	1

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

RED RIVER BASIN

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	PCB, TOTAL (µG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)	CHLOR- DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI- AZINON, TOTAL (µG/L)	DI- ELDRIN TOTAL (µG/L)	ENDO- SULFAN, TOTAL (µG/L)
OCT 06...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 25...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 08...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 12...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 14...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 30...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA- THION, TOTAL (µG/L)	METH- OXY- CHLOR, TOTAL (µG/L)	METHYL PARA- THION, TOTAL (µG/L)	METHYL TRI- THION, TOTAL (µG/L)
OCT 06...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 08...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 12...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	MIREX, TOTAL (µG/L)	PARA- THION, TOTAL (µG/L)	PER- THANE TOTAL (µG/L)	TOX- APHENE, TOTAL (µG/L)	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)
OCT 06...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
JAN 25...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
MAR 08...	<0.01	<0.01	<0.01	<0.5	<0.01	0.3	<0.1	<0.1	<0.1
MAY 12...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
JUN 14...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
AUG 30...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1

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

RED RIVER BASIN

61

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. Records good, except those for no base gage height, Oct. 3-4, Nov. 23-28, and Aug. 7-24, which are fair. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft are available for storage) since August 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--47 years, 2,554 ft³/s, 1,850,000 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, 27,100 ft³/s, Apr. 2, gage height, 37.15 ft; minimum daily discharge, 2.0 ft³/s, Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	17	1250	2700	4570	8110	25200	5280	7050	8790	671	244
2	2.5	16	1140	3060	4250	7970	26800	5230	6490	9480	687	179
3	e2.3	17	1080	3420	6080	7740	26800	5000	6090	9730	721	120
4	e2.4	14	1030	3530	8230	7650	25800	5160	5800	9450	713	85
5	2.3	5.8	1030	3650	9350	7810	24400	6810	5850	8860	686	64
6	2.0	4.9	1010	3850	10100	7400	22600	8700	5550	8570	640	47
7	2.2	8.8	1000	3970	10300	6660	20800	8680	5010	8740	e600	46
8	3.5	8.3	1020	3880	10000	6230	19200	8460	5720	8140	e560	43
9	5.0	11	1030	3880	9450	6020	17300	8260	6890	7220	e600	40
10	3.3	13	1070	3930	8910	5830	15400	8020	7790	6110	e560	91
11	3.0	11	1120	3800	8310	5780	13800	7730	8190	4970	e540	50
12	3.8	23	1210	3670	7950	5770	11500	7040	8210	4150	e520	40
13	5.4	48	1240	3720	8670	5730	9660	6730	8180	3500	e500	54
14	6.8	67	1240	4460	9360	5600	8500	6860	8930	3110	e480	151
15	7.6	67	1160	4810	9650	5200	7610	6290	9570	2910	e460	104
16	8.0	47	1210	4740	9510	4850	6980	6010	9420	2570	e430	59
17	9.0	33	1290	4500	9690	4650	6650	7940	9260	2110	e420	38
18	8.7	33	1240	4260	10400	4200	6400	10100	9240	1770	e400	26
19	9.2	58	1170	3990	10900	3620	6310	11300	8950	1490	e380	64
20	10	216	1180	3670	11100	3470	6420	12100	8330	1300	e360	306
21	8.2	247	1220	3540	11300	3280	6570	13300	7610	1250	e340	346
22	9.9	304	1160	3460	11200	3540	6630	14100	6970	1180	e320	344
23	9.6	e600	1150	3380	10600	3610	6540	14600	6350	1050	e310	303
24	8.7	e900	1220	3310	10100	3450	6330	14700	5780	979	e300	207
25	8.6	e1200	1030	3210	9810	3260	6160	14500	5240	985	289	80
26	22	e1500	948	3160	9440	3110	5940	13800	4790	1050	273	73
27	18	e1650	1070	2820	8920	3470	5660	12600	4570	1170	220	91
28	20	e1700	1480	2620	8500	3530	5420	11100	5990	1140	164	145
29	15	1570	1500	3120	---	9250	5130	9810	6580	981	188	177
30	16	1390	1800	4700	---	15100	5030	8640	7610	810	283	253
31	22	---	2330	4740	---	20400	---	7750	---	751	270	---
TOTAL	257.5	11779.8	37628	115550	256650	192290	367540	286600	212010	124316	13885	3870
MEAN	8.31	393	1214	3727	9166	6203	12250	9245	7067	4010	448	129
MAX	22	1700	2330	4810	11300	20400	26800	14700	9570	9730	721	346
MIN	2.0	4.9	948	2620	4250	3110	5030	5000	4570	751	164	26
AC-FT	511	23370	74640	229200	509100	381400	729000	568500	420500	246600	27540	7680
CAL YR 1988	TOTAL 888383.8		MEAN 2427		MAX 26600		MIN 2.0		AC-FT 1762000			
WTR YR 1989	TOTAL 1622376.3		MEAN 4445		MAX 26800		MIN 2.0		AC-FT 3218000			

e Estimated.

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.54	4.64	11.04	11.76	15.78	21.33	36.30	15.76	20.30	24.40	10.97	5.49
2	4.54	4.64	10.30	12.36	15.65	21.02	37.05	15.69	19.55	25.08	10.66	5.25
3	---	4.64	9.93	13.04	18.21	20.57	37.02	15.36	18.95	25.14	9.95	5.01
4	---	4.62	9.62	13.23	20.95	20.28	36.56	15.59	18.49	24.66	9.04	4.91
5	4.53	4.56	9.30	13.39	22.60	20.40	35.88	18.46	18.62	23.77	8.59	4.82
6	4.53	4.55	9.08	13.69	23.69	19.92	35.07	21.13	18.38	23.35	8.45	4.76
7	4.53	4.58	8.60	13.87	23.92	19.26	34.12	20.91	18.69	23.42	---	4.75
8	4.54	4.58	8.26	13.70	23.47	18.89	33.15	20.52	21.20	22.42	---	4.74
9	4.55	4.60	8.60	13.63	22.62	18.55	31.90	20.29	22.93	21.16	---	4.73
10	4.54	4.62	9.20	13.69	21.79	18.22	30.30	19.95	23.53	19.97	---	4.93
11	4.54	4.60	9.25	13.51	20.77	18.11	28.31	19.54	23.41	18.84	---	4.77
12	4.54	4.66	9.01	13.33	20.14	17.95	25.48	18.55	23.27	17.66	---	4.73
13	4.56	4.77	8.94	13.45	21.20	17.79	22.67	18.05	23.25	16.38	---	4.79
14	4.57	4.85	8.91	14.52	22.19	17.69	20.74	18.20	23.80	15.52	---	5.13
15	4.57	4.85	8.55	15.06	22.64	17.35	19.37	17.33	24.30	15.04	---	4.96
16	4.58	4.77	8.50	14.94	22.47	16.89	18.44	17.29	24.31	14.51	---	4.80
17	4.58	4.71	8.66	14.59	22.95	16.50	18.00	19.97	24.33	13.92	---	4.72
18	4.58	4.71	8.52	14.22	24.33	15.70	17.54	23.39	24.19	13.63	---	4.67
19	4.59	4.81	8.33	13.80	25.39	14.68	17.38	25.56	23.55	14.21	---	4.84
20	4.59	5.38	8.35	13.33	25.96	14.12	17.54	27.04	22.71	15.09	---	6.17
21	4.58	5.50	8.46	13.12	26.43	13.56	17.78	28.21	22.14	15.56	---	6.60
22	4.59	5.10	8.31	12.99	26.32	13.71	17.90	28.86	21.50	15.30	---	6.49
23	4.59	---	8.31	12.83	25.54	13.69	17.73	29.26	20.96	14.35	---	6.10
24	4.58	---	8.48	12.71	24.60	13.35	17.41	29.44	20.45	14.29	---	5.48
25	4.58	---	7.99	12.53	24.00	12.88	17.18	29.14	19.99	14.29	5.70	4.88
26	4.66	---	7.73	12.43	23.26	12.55	16.84	28.37	19.66	13.86	5.64	4.86
27	4.65	---	8.03	11.82	22.46	13.17	16.37	27.21	19.94	12.88	5.42	4.93
28	4.65	---	9.16	11.49	21.86	13.29	16.01	25.43	21.35	11.69	5.19	5.11
29	4.63	11.20	9.19	12.38	---	21.87	15.55	23.78	21.92	10.84	5.28	5.24
30	4.63	11.55	9.88	15.09	---	29.83	15.40	22.28	22.77	11.01	5.63	5.52
31	4.67	---	11.04	15.66	---	33.85	---	21.17	---	11.30	5.58	---
MAX	---	---	11.04	15.66	26.43	33.85	37.05	29.44	24.33	25.14	---	6.60
MIN	---	---	7.73	11.49	15.65	12.55	15.40	15.36	18.38	10.84	---	4.67

RED RIVER BASIN

63

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (µS/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (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, UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 06...	1000	2.0	2300	8.01	19.5	5	6.6	8.6	3.1	K4	46
JAN 26...	0800	3160	145	7.32	13.0	40	9.5	10.9	2.6	K16	K36
APR 27...	1045	5660	101	6.84	24.5	100	8.6	8.1	1.9	K12	360
JUL 27...	0900	1170	204	7.38	28.0	40	31	6.0	1.2	68	290

DATE	HARD-NESS TOTAL (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 WAT WH TOT FET 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)
OCT 06...	580	100	79	270	3.6	273	200	480	0.2	12	1350
JAN 26...	28	6.4	2.8	14	2.8	18	18	22	0.1	10	86
APR 27...	27	6.3	2.6	9.2	2.6	17	11	13	0.1	8.2	79
JUL 27...	45	11	4.3	21	2.4	35	9.0	33	0.1	8.5	123

DATE	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, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (µg/L AS Al)
OCT 06...	1310	<0.01	<0.10	0.03	0.02	0.4	0.04	0.03	0.01	<10
JAN 26...	83	0.01	<0.10	0.08	0.07	0.7	0.04	0.02	0.01	70
APR 27...	63	<0.01	<0.10	0.04	0.05	0.9	0.07	0.03	0.01	50
JUL 27...	108	<0.01	<0.10	0.02	<0.01	0.6	0.10	0.02	<0.01	20

< 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).

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 06...	1	100	<10	<1	<1	<1	1	<10	<5	30	460
JAN 26...	<1	55	<0.5	1	<1	<3	3	480	<5	7	24
APR 27...	<1	52	<0.5	<1	<1	<3	3	350	1	<4	20
JUL 27...	1	66	<0.5	<1	<1	<3	3	450	1	5	7

DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDEDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 06...	0.3	<1	1	<1	<1	2000	9	<10	--	--	--
JAN 26...	<0.1	<10	1	<1	<1	130	<6	13	21	179	88
APR 27...	<0.1	<10	3	<1	<1	94	<6	11	30	458	78
JUL 27...	<0.1	<10	3	<1	<1	170	<6	<3	50	158	99

< 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.

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

REVISED RECORDS.--WDR LA-75-1: 1974, WRD LA-85-1: 1985 (P).

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

REMARKS.--Estimated daily discharges. Indefinite stage discharge relationship, Oct. 9-19 and Nov. 6-11. Records good above 200 ft³/s and fair below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--32 years, 570 ft³/s, 12.79 in/yr, 413,000 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)
Jan. 18	1500	3,290	13.76	May 20	2400	3,960	14.13
Feb. 6	2030	7,400	15.16	June 11	1500	4,350	14.28
Feb. 18	1600	6,060	14.79	July 3	0800	10,400	15.97
Apr. 1	0730	*12,600	*16.56	July 20	0400	3,880	14.09
May 9	0030	3,360	13.80				

Minimum daily discharge, 1.6 ft³/s, Oct. 15-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	11	2390	1140	1060	1460	12000	137	167	2870	615	14
2	2.6	24	2460	1480	1250	1320	8740	147	131	6100	441	39
3	2.7	26	2170	2020	1680	1300	4880	227	114	10100	342	100
4	2.2	24	1780	2460	1980	1370	2890	615	123	9280	282	70
5	2.0	18	1410	2470	2720	1440	2060	1430	188	7760	237	40
6	1.8	e15	1080	2200	6310	1430	1650	1690	209	5990	203	27
7	1.8	e13	707	1910	6660	1360	1370	2200	308	4210	314	20
8	1.8	e12	478	1650	4360	1340	1210	3060	736	2810	210	13
9	e1.9	e11	359	1380	2870	1370	1200	3200	1380	2150	168	11
10	e1.8	e12	377	1150	2130	1330	1270	2560	3250	1860	152	20
11	e1.8	e14	508	951	1720	1220	1230	1970	4170	1510	145	51
12	e1.7	21	668	831	1520	1070	1060	1630	3970	1170	140	43
13	e1.7	70	850	953	1550	877	800	1360	2960	1120	136	87
14	e1.7	27	963	1110	2400	669	555	1070	2250	1730	114	95
15	e1.6	46	960	1340	3250	515	410	763	1820	2160	69	78
16	e1.6	120	900	1800	4600	429	358	625	1440	2100	41	64
17	e1.6	212	817	2680	5150	378	378	811	1230	2080	41	60
18	e2.0	295	694	3230	5870	348	411	1310	1150	2230	26	60
19	e4.0	353	554	3080	5590	322	442	2080	1070	3310	19	51
20	7.3	422	436	2570	4650	295	429	3520	956	3730	34	41
21	7.0	436	346	2080	3990	297	411	3840	822	3100	51	33
22	5.6	469	291	1710	3450	352	442	3370	653	2410	41	28
23	5.8	525	267	1380	3030	375	496	2640	478	1920	27	26
24	6.6	606	274	1090	2540	459	523	2000	335	1680	21	23
25	7.5	723	293	804	2110	551	517	1560	248	1460	19	18
26	8.9	1270	331	576	1780	618	441	1200	237	1220	17	16
27	11	1510	378	473	1660	708	317	899	254	1040	14	14
28	13	1320	483	442	1590	706	218	612	501	1010	12	13
29	12	1310	532	496	---	2110	167	388	661	1060	11	13
30	11	1820	600	835	---	5240	142	257	1330	1020	19	13
31	15	---	854	927	---	10700	---	207	---	851	19	---
TOTAL	150.1	11735	25210	47218	87470	41959	47017	47378	33141	91041	3980	1181
MEAN	4.84	391	813	1523	3124	1354	1567	1528	1105	2937	128	39.4
MAX	15	1820	2460	3230	6660	10700	12000	3840	4170	10100	615	100
MIN	1.6	11	267	442	1060	295	142	137	114	851	11	11
AC-FT	298	23280	50000	93660	173500	83230	93260	93970	65740	180600	7890	2340
CFSM	.01	.65	1.34	2.52	5.16	2.24	2.59	2.53	1.83	4.85	.21	.07
IN.	.01	.72	1.55	2.90	5.38	2.58	2.89	2.91	2.04	5.60	.24	.07

CAL YR 1988	TOTAL 166101.5	MEAN 454	MAX 8000	MIN 1.3	AC-FT 329500	CFSM .75	IN. 10.21
WTR YR 1989	TOTAL 437480.1	MEAN 1199	MAX 12000	MIN 1.6	AC-FT 867700	CFSM 1.98	IN. 26.90

e Estimated.

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.54	4.91	13.15	11.63	11.46	12.21	16.40	6.60	6.96	13.50	10.12	4.50
2	4.50	5.19	13.20	12.24	11.88	12.03	15.52	6.72	6.52	14.80	9.23	5.07
3	4.50	5.23	12.97	12.82	12.47	11.99	14.42	7.57	6.28	15.88	8.55	6.07
4	4.45	5.19	12.59	13.20	12.79	12.10	13.50	9.83	6.41	15.67	8.07	5.64
5	4.42	5.08	12.14	13.21	13.37	12.19	12.87	12.10	7.18	15.25	7.67	5.14
6	4.41	4.93	11.49	13.00	14.85	12.17	12.44	12.49	7.41	14.77	7.34	4.83
7	4.40	4.76	10.44	12.72	14.95	12.08	12.08	12.99	8.22	14.19	8.30	4.68
8	4.40	4.69	9.45	12.44	14.25	12.06	11.81	13.62	10.52	13.45	7.42	4.48
9	4.51	4.62	8.67	12.11	13.49	12.09	11.78	13.71	11.98	12.95	6.97	4.40
10	4.57	4.67	8.80	11.67	12.93	12.03	11.94	13.27	13.72	12.67	6.79	4.65
11	4.57	4.73	9.62	11.18	12.52	11.83	11.84	12.78	14.22	12.28	6.69	5.34
12	4.58	5.06	10.33	10.85	12.29	11.48	11.44	12.42	14.13	11.70	6.64	5.19
13	4.61	5.86	10.90	11.18	12.32	10.97	10.75	12.06	13.55	11.55	6.58	5.88
14	4.62	5.25	11.21	11.57	13.09	10.33	9.86	11.48	13.03	12.52	6.28	5.99
15	4.60	5.58	11.20	12.05	13.73	9.67	9.03	10.63	12.62	12.96	5.63	5.77
16	4.59	6.45	11.04	12.60	14.35	9.15	8.67	10.18	12.18	12.90	5.15	5.56
17	4.54	7.43	10.81	13.36	14.52	8.82	8.81	10.78	11.85	12.89	5.16	5.49
18	4.58	8.17	10.42	13.73	14.73	8.60	9.04	11.94	11.67	13.02	4.82	5.49
19	4.68	8.63	9.87	13.63	14.65	8.40	9.23	12.86	11.48	13.76	4.66	5.35
20	4.78	9.11	9.19	13.29	14.37	8.18	9.16	13.88	11.19	14.01	5.00	5.16
21	4.76	9.20	8.58	12.89	14.14	8.19	9.04	14.07	10.82	13.64	5.35	4.99
22	4.70	9.40	8.14	12.51	13.86	8.62	9.24	13.80	10.28	13.17	5.15	4.85
23	4.71	9.72	7.94	12.09	13.60	8.79	9.56	13.34	9.45	12.72	4.83	4.80
24	4.75	10.11	8.00	11.53	13.26	9.34	9.71	12.81	8.49	12.48	4.69	4.74
25	4.78	10.51	8.17	10.76	12.91	9.87	9.68	12.33	7.77	12.21	4.64	4.62
26	4.84	11.78	8.46	9.97	12.59	10.16	9.23	11.77	7.68	11.83	4.59	4.57
27	4.89	12.28	8.81	9.43	12.45	10.47	8.35	11.03	7.82	11.41	4.51	4.52
28	4.96	12.02	9.48	9.24	12.37	10.46	7.49	10.10	9.58	11.33	4.43	4.49
29	4.92	12.00	9.77	9.55	---	12.60	6.96	8.86	10.29	11.46	4.40	4.47
30	4.91	12.61	10.08	10.85	---	14.53	6.66	7.85	11.92	11.35	4.64	4.47
31	5.02	---	10.91	11.12	---	16.05	---	7.39	---	10.90	4.66	---
MAX	5.02	12.61	13.20	13.73	14.95	16.05	16.40	14.07	14.22	15.88	10.12	6.07
MIN	4.40	4.62	7.94	9.24	11.46	8.18	6.66	6.60	6.28	10.90	4.40	4.40

RED RIVER BASIN

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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, 12,800 ft³/s, July 5, gage height, 19.27 ft; minimum gage height, 6.11 ft, Oct. 19, 20.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.29	6.38	8.52	8.51	10.98	13.11	11.49	7.60	8.72	15.88	9.31	7.19
2	6.30	6.40	8.72	8.64	11.31	12.68	13.79	7.51	8.23	18.57	9.09	7.15
3	6.29	6.41	8.85	8.77	11.68	12.25	17.49	7.44	7.94	18.94	8.92	7.14
4	6.28	6.41	8.99	8.92	11.94	11.84	18.24	7.51	7.84	19.12	8.65	7.13
5	6.25	6.38	9.20	9.14	11.95	11.71	17.43	11.72	7.99	19.25	8.29	7.11
6	6.24	6.36	9.46	9.41	11.83	11.64	16.10	14.71	8.01	19.04	7.97	7.11
7	6.22	6.38	9.67	9.75	11.72	11.50	14.85	15.94	8.03	18.56	7.75	7.12
8	6.22	6.34	9.71	10.13	11.77	11.44	13.87	15.61	9.01	17.74	7.61	7.12
9	6.25	6.38	9.58	10.43	12.37	11.50	13.01	15.17	9.12	16.74	7.57	7.10
10	6.25	6.36	9.33	10.60	13.65	11.57	12.17	14.70	9.25	15.79	7.62	7.14
11	6.24	6.35	8.88	10.61	14.33	11.51	11.30	14.18	9.67	14.91	7.57	7.12
12	6.22	6.43	8.32	10.91	14.20	11.31	10.48	13.73	10.27	14.09	7.49	7.12
13	6.22	6.49	8.00	11.17	13.97	11.02	9.90	13.39	10.97	13.44	7.43	7.16
14	6.21	6.51	7.91	11.40	13.78	10.69	9.66	13.11	12.04	12.99	7.40	7.22
15	6.21	6.56	7.90	11.53	13.64	10.29	9.50	12.80	13.13	12.50	7.37	7.21
16	6.21	6.53	7.97	11.44	13.71	9.87	9.25	12.54	13.68	12.30	7.37	7.21
17	6.21	6.51	8.11	11.43	14.13	9.47	8.89	12.66	13.67	12.47	7.37	7.22
18	6.19	6.53	8.22	11.52	15.09	9.06	8.47	13.03	13.31	12.76	7.36	7.21
19	6.14	6.56	8.29	11.60	15.99	8.64	8.24	13.18	12.77	12.81	7.34	7.20
20	6.15	6.60	8.29	11.66	16.35	8.37	8.11	13.07	12.11	12.66	7.33	7.20
21	6.14	6.60	8.29	11.78	16.47	8.20	8.08	13.00	11.35	12.46	7.30	7.18
22	6.15	6.66	8.33	11.99	16.29	8.27	8.07	13.14	10.54	12.32	7.28	7.18
23	6.16	6.71	8.27	12.16	15.89	8.61	8.05	13.47	9.76	12.52	7.27	7.14
24	6.16	6.80	8.06	12.14	15.40	8.86	7.98	13.82	9.18	12.89	7.26	7.12
25	6.16	6.90	7.86	11.91	14.90	8.97	7.93	13.88	8.74	12.92	7.26	7.12
26	6.21	7.26	7.79	11.51	14.42	8.99	7.93	13.56	8.36	12.71	7.24	7.11
27	6.26	7.58	7.81	10.95	13.97	9.39	7.93	13.04	8.50	12.30	7.22	7.10
28	6.27	7.77	7.93	10.22	13.54	9.63	7.93	12.39	9.39	11.81	7.21	7.10
29	6.29	8.00	7.93	9.71	---	9.99	7.86	11.63	10.08	11.16	7.21	7.10
30	6.29	8.25	8.06	10.17	---	10.48	7.73	10.70	12.41	10.44	7.19	7.11
31	6.36	---	8.32	10.63	---	10.85	---	9.65	---	9.74	7.19	---
MAX	6.36	8.25	9.71	12.16	16.47	13.11	18.24	15.94	13.68	19.25	9.31	7.22
MIN	6.14	6.34	7.79	8.51	10.98	8.20	7.73	7.44	7.84	9.74	7.19	7.10

RED RIVER BASIN

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).

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, 15.37 ft, July 4, 1989; minimum, 3.37 ft, Nov. 18, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.37 ft, July 4; minimum, 9.89 ft, Oct. 23, 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.09	10.16	11.29	11.49	12.00	12.18	11.83	11.27	11.72	13.70	11.67	10.94
2	10.12	10.14	11.33	11.48	11.96	12.13	11.85	11.23	11.67	14.94	11.59	10.95
3	10.12	10.14	11.37	11.48	11.99	12.06	12.04	11.19	11.55	15.24	11.55	10.95
4	10.10	10.15	11.41	11.48	11.97	12.02	12.46	11.19	11.50	15.33	11.50	10.93
5	10.08	10.16	11.43	11.46	11.95	12.12	12.67	12.12	11.54	15.19	11.45	10.92
6	10.05	10.14	11.45	11.50	11.93	12.11	12.66	12.71	11.52	15.05	11.41	10.90
7	10.04	10.10	11.49	11.53	11.90	12.03	12.58	12.71	11.48	14.92	11.36	10.89
8	10.02	10.13	11.58	11.60	11.88	11.95	12.41	12.62	11.69	14.69	11.31	10.88
9	10.04	10.09	11.56	11.61	11.88	11.90	12.26	12.56	11.73	14.37	11.24	10.87
10	10.04	10.16	11.56	11.63	11.90	11.87	12.11	12.48	11.71	13.99	11.21	10.92
11	10.03	10.15	11.57	11.66	12.00	11.85	11.97	12.35	11.65	13.56	11.20	10.93
12	10.03	10.16	11.50	11.91	12.13	11.83	11.87	12.26	11.63	13.12	11.19	10.93
13	10.01	10.28	11.42	12.12	12.24	11.80	11.77	12.23	11.67	12.74	11.17	10.94
14	9.98	10.28	11.37	12.19	12.34	11.76	11.74	12.18	11.82	12.46	11.14	11.02
15	9.97	10.25	11.39	12.19	12.35	11.80	11.69	12.14	11.92	12.24	11.13	11.00
16	9.96	10.32	11.33	12.11	12.38	11.73	11.62	12.19	11.99	12.11	11.12	10.99
17	9.95	10.31	11.31	12.00	12.39	11.65	11.57	12.41	12.04	12.03	11.13	11.00
18	9.95	10.28	11.30	11.93	12.41	11.64	11.53	12.87	12.06	11.98	11.12	11.00
19	9.98	10.30	11.30	11.89	12.45	11.57	11.51	12.79	12.06	11.98	11.09	10.99
20	9.96	10.36	11.34	11.88	12.56	11.50	11.44	12.58	12.01	12.00	11.08	10.99
21	9.95	10.38	11.37	11.84	12.72	11.53	11.39	12.37	11.93	11.96	11.07	10.98
22	9.93	10.39	11.36	11.84	12.73	11.47	11.35	12.21	11.84	11.94	11.06	10.97
23	9.92	10.41	11.37	11.84	12.65	11.43	11.32	12.14	11.77	11.92	11.04	11.00
24	9.94	10.43	11.37	11.87	12.56	11.43	11.32	12.09	11.67	11.96	11.03	10.97
25	9.92	10.45	11.35	11.87	12.46	11.46	11.31	12.09	11.60	11.99	11.02	10.93
26	10.02	10.76	11.29	11.89	12.38	11.51	11.30	12.12	11.56	12.04	11.01	10.92
27	10.02	11.08	11.32	11.88	12.31	11.68	11.30	12.11	11.72	12.01	11.00	10.92
28	10.09	11.16	11.45	11.81	12.23	11.74	11.29	12.05	12.02	11.96	10.99	10.90
29	10.10	11.20	11.41	11.83	---	11.84	11.29	11.98	12.37	11.90	10.99	10.90
30	10.11	11.26	11.44	12.05	---	11.88	11.30	11.89	12.71	11.82	10.98	10.90
31	10.17	---	11.50	12.05	---	11.89	---	11.61	---	11.75	10.96	---
MAX	10.17	11.26	11.58	12.19	12.73	12.18	12.67	12.87	12.71	15.33	11.67	11.02
MIN	9.92	10.09	11.29	11.46	11.88	11.43	11.29	11.19	11.48	11.75	10.96	10.87

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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.

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

REMARKS.--No estimated daily discharges. 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.

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.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 21	0200	4.260	17.45	July 6	1700	3.330	16.37
Apr. 3	0830	*7.140	*19.97	July 22	0200	3.520	16.60
May 7	1230	3.350	16.39				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	22	928	1080	1250	2090	5620	294	699	1720	1410	68
2	10	19	865	1100	1210	1920	6600	346	555	2450	1220	65
3	9.9	19	819	1090	1260	1720	7060	410	444	2850	1040	52
4	9.0	66	784	1080	1560	1570	6030	527	242	3070	862	49
5	7.9	182	760	1060	2540	1450	4910	1790	172	3190	701	49
6	6.7	276	745	1010	3160	1350	3960	3070	115	3290	557	43
7	6.2	366	736	947	3150	1260	3230	3310	139	3240	446	38
8	6.1	454	766	890	3210	1200	2890	3090	334	3270	394	35
9	6.1	522	779	870	3260	1140	2410	2520	554	3240	337	32
10	5.8	569	799	889	3200	1070	2010	2200	802	3000	218	36
11	5.8	599	833	914	2970	1000	1690	1840	1040	2630	125	52
12	5.6	650	856	938	2760	933	1470	1650	1250	2230	92	73
13	5.4	703	868	1030	2690	866	1290	1570	1640	2000	76	56
14	5.3	727	867	1140	2860	804	1150	1470	2300	2500	66	49
15	5.2	732	853	1290	3200	746	1030	1380	2500	3290	58	40
16	6.1	731	837	1430	3380	640	931	1400	2520	3420	74	39
17	7.7	724	823	1570	3390	504	852	1370	2360	3320	98	35
18	8.2	721	808	1640	3400	418	755	1510	2030	3110	70	32
19	8.8	731	794	1650	3670	374	656	1770	1670	3030	66	30
20	10	763	784	1690	4090	362	487	2130	1410	3190	62	28
21	13	780	782	1800	4240	381	463	2260	1190	3440	52	27
22	13	787	771	1880	4060	439	476	2160	1030	3490	47	27
23	13	781	769	1830	3720	469	460	2000	903	3350	47	26
24	11	773	772	1700	3350	485	401	1930	794	3280	45	25
25	11	766	775	1560	2990	461	344	1880	683	3260	41	24
26	13	1000	774	1400	2670	424	330	1750	564	3170	38	24
27	14	1130	780	1250	2440	435	336	1600	505	2960	34	23
28	16	1140	845	1120	2250	467	329	1440	541	2670	32	22
29	18	1090	894	1110	---	1440	305	1280	621	2330	31	22
30	16	1010	970	1230	---	4020	285	1090	894	1960	42	23
31	22	---	1040	1240	---	5450	---	890	---	1640	56	---
TOTAL	305.8	18833	25476	39428	81930	35888	58760	51927	30501	89590	8437	1144
MEAN	9.86	628	822	1272	2926	1158	1959	1675	1017	2890	272	38.1
MAX	22	1140	1040	1880	4240	5450	7060	3310	2520	3490	1410	73
MIN	5.2	19	736	870	1210	362	285	294	115	1640	31	22
AC-FT	607	37360	50530	78210	162500	71180	116600	103000	60500	177700	16730	2270
CAL YR 1988	TOTAL 212654		5.8		MAX 11000		MIN 1.6		AC-FT 421800			
WTR YR 1989	TOTAL 442219		8		MAX 7060		MIN 5.2		AC-FT 877100			

RED RIVER BASIN

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.16	2.59	10.66	11.47	12.26	14.60	18.75	6.28	9.31	13.33	12.90	3.75
2	2.19	2.52	10.31	11.55	12.10	14.30	19.56	6.74	8.36	14.94	12.10	3.70
3	2.19	2.50	10.04	11.52	12.30	13.90	19.91	7.29	7.55	15.73	11.24	3.45
4	2.14	3.55	9.84	11.44	13.16	13.45	19.41	8.15	5.76	16.03	10.29	3.38
5	2.09	5.18	9.69	11.34	14.98	13.05	18.50	13.11	5.08	16.19	9.32	3.38
6	2.03	6.11	9.60	11.10	15.90	12.66	17.49	15.63	4.40	16.32	8.38	3.27
7	2.00	6.92	9.55	10.77	16.13	12.32	16.54	16.34	4.68	16.25	7.56	3.15
8	1.99	7.63	9.73	10.45	16.21	12.03	15.78	16.05	6.63	16.29	7.16	3.06
9	1.99	8.13	9.81	10.34	16.28	11.74	15.10	15.45	8.34	16.25	6.67	2.99
10	1.96	8.46	9.93	10.44	16.20	11.41	14.46	14.76	9.93	15.93	5.58	3.10
11	1.96	8.67	10.12	10.59	15.89	11.06	13.81	14.16	11.27	15.43	4.61	3.43
12	1.94	9.00	10.26	10.72	15.60	10.69	13.13	13.69	12.25	14.81	4.14	3.84
13	1.92	9.34	10.33	11.19	15.51	10.32	12.42	13.45	13.41	14.44	3.90	3.53
14	1.91	9.49	10.32	11.77	15.74	9.96	11.80	13.12	14.75	15.05	3.72	3.39
15	1.90	9.52	10.24	12.42	16.19	9.61	11.22	12.79	15.23	16.10	3.56	3.20
16	1.98	9.51	10.15	12.99	16.43	8.93	10.68	12.89	15.26	16.48	3.81	3.17
17	2.08	9.47	10.07	13.44	16.45	8.00	10.23	12.78	15.01	16.36	4.24	3.07
18	2.11	9.45	9.98	13.66	16.46	7.35	9.66	13.25	14.49	16.08	3.79	3.00
19	2.14	9.51	9.90	13.70	16.79	6.99	9.03	13.99	13.76	15.97	3.71	2.94
20	2.20	9.71	9.83	13.83	17.26	6.89	7.87	14.66	12.89	16.19	3.64	2.91
21	2.30	9.81	9.83	14.09	17.43	7.04	7.70	14.86	12.01	16.51	3.45	2.88
22	2.33	9.86	9.76	14.24	17.23	7.52	7.79	14.71	11.22	16.57	3.34	2.86
23	2.29	9.82	9.75	14.14	16.84	7.75	7.67	14.45	10.52	16.40	3.34	2.84
24	2.25	9.77	9.76	13.85	16.39	7.86	7.21	14.32	9.89	16.31	3.30	2.82
25	2.21	9.73	9.78	13.41	15.92	7.69	6.74	14.24	9.21	16.28	3.22	2.80
26	2.31	11.03	9.78	12.87	15.49	7.40	6.61	13.98	8.42	16.16	3.14	2.77
27	2.33	11.72	9.81	12.27	15.13	7.48	6.66	13.56	8.01	15.89	3.05	2.74
28	2.41	11.75	10.20	11.65	14.85	7.72	6.60	13.03	8.26	15.48	2.99	2.72
29	2.47	11.53	10.47	11.59	---	12.08	6.38	12.38	8.80	14.97	2.96	2.72
30	2.40	11.11	10.89	12.19	---	16.34	6.20	11.52	10.46	14.37	3.25	2.75
31	2.60	---	11.26	12.22	---	18.24	---	10.44	---	13.67	3.53	---
MAX	2.60	11.75	11.26	14.24	17.43	18.24	19.91	16.34	15.26	16.57	12.90	3.84
MIN	1.90	2.50	9.55	10.34	12.10	6.89	6.20	6.28	4.40	13.33	2.96	2.72

RED RIVER BASIN

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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).

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 closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.02 ft, June 29, 1986 and Dec. 28, 1987; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.55 ft, May 23; minimum, 7.42 ft, Oct. 23.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.69	7.65	8.28	9.19	10.19	9.92	11.01	9.61	9.73	11.39	9.63	9.26
2	7.71	7.63	8.27	9.28	10.17	9.92	10.67	9.61	9.71	11.47	9.64	9.25
3	7.72	7.63	8.27	9.35	10.18	9.90	10.43	9.61	9.69	11.29	9.67	9.23
4	7.69	7.64	8.28	9.39	10.13	9.91	10.28	9.64	9.68	11.07	9.67	9.21
5	7.67	7.64	8.27	9.42	10.13	9.91	10.14	10.29	9.79	10.82	9.65	9.20
6	7.64	7.60	8.27	9.47	10.13	9.88	10.01	10.81	9.85	10.67	9.64	9.17
7	7.62	7.57	8.27	9.50	10.10	9.87	9.94	10.95	9.93	10.58	9.62	9.16
8	7.61	7.58	8.39	9.53	10.04	9.85	9.89	10.79	10.03	10.57	9.60	9.14
9	7.61	7.56	8.40	9.54	9.97	9.83	9.84	10.63	9.98	10.63	9.57	9.13
10	7.60	7.62	8.41	9.55	9.91	9.81	9.80	10.45	9.96	10.54	9.55	9.22
11	7.59	7.60	8.45	9.57	9.86	9.79	9.75	10.29	9.91	10.38	9.53	9.21
12	7.57	7.62	8.46	9.66	9.94	9.77	9.73	10.20	9.84	10.23	9.51	9.20
13	7.55	7.66	8.46	9.80	10.15	9.75	9.72	10.17	9.80	10.13	9.50	9.20
14	7.53	7.65	8.46	9.88	10.26	9.73	9.74	10.21	10.00	10.09	9.47	9.21
15	7.52	7.64	8.49	9.94	10.38	9.74	9.74	10.31	10.10	10.06	9.46	9.20
16	7.51	7.76	8.47	9.97	10.54	9.72	9.73	10.44	10.19	10.06	9.46	9.20
17	7.49	7.73	8.47	9.95	10.58	9.72	9.74	10.56	10.21	10.03	9.46	9.19
18	7.50	7.73	8.46	9.92	10.58	9.76	9.74	10.69	10.13	9.98	9.45	9.19
19	7.49	7.77	8.45	9.87	10.52	9.75	9.76	10.77	10.01	9.93	9.43	9.17
20	7.47	7.82	8.47	9.84	10.47	9.74	9.73	10.73	9.91	9.89	9.42	9.16
21	7.47	7.80	8.63	9.79	10.44	9.80	9.72	10.58	9.82	9.85	9.40	9.14
22	7.45	7.79	8.67	9.75	10.38	9.84	9.69	10.42	9.76	9.81	9.39	9.13
23	7.46	7.78	8.69	9.72	10.27	9.88	9.67	11.37	9.73	9.77	9.38	9.11
24	7.49	7.77	8.71	9.71	10.18	9.92	9.66	10.99	9.69	9.75	9.36	9.08
25	7.47	7.75	8.70	9.70	10.10	9.93	9.65	10.59	9.67	9.73	9.34	9.05
26	7.53	7.92	8.70	9.71	10.03	9.91	9.63	10.32	9.70	9.71	9.33	9.04
27	7.53	8.04	8.75	9.69	9.99	9.96	9.62	10.13	9.86	9.71	9.32	9.03
28	7.57	8.12	8.86	9.68	9.94	10.00	9.61	9.97	10.09	9.70	9.30	9.01
29	7.58	8.21	8.90	9.84	---	10.40	9.62	9.87	10.31	9.68	9.28	9.00
30	7.60	8.27	8.99	10.12	---	11.04	9.62	9.80	10.64	9.65	9.29	9.00
31	7.66	---	9.10	10.18	---	11.35	---	9.75	---	9.64	9.28	---
MAX	7.72	8.27	9.10	10.18	10.58	11.35	11.01	11.37	10.64	11.47	9.67	9.26
MIN	7.45	7.56	8.27	9.19	9.86	9.72	9.61	9.61	9.67	9.64	9.28	9.00

RED RIVER BASIN

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.--9 years (water year 1981-89) 871 ft³/s, 631,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,480 ft³/s, July 2, 1989, gage height, 36.46 ft, present datum; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,480 ft³/s, July 2, gage height, 36.46 ft; minimum discharge, 5.2 ft³/s, Oct. 20, 21, 22, 23, gage height, 15.70 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	12	643	889	1990	2670	2600	2130	2980	4120	2600	1320
2	6.2	14	665	892	1980	2670	2660	2100	2910	4460	2570	1220
3	6.8	18	687	906	1990	2650	2690	2060	2850	4390	2540	1120
4	6.5	23	707	906	1970	2630	2700	2040	2790	4270	2520	1020
5	5.8	22	725	907	1970	2630	2690	2940	2850	4120	2500	932
6	5.4	17	739	917	1960	2630	2670	3160	2770	3960	2480	858
7	5.4	14	749	934	1940	2620	2660	3050	2700	3790	2460	783
8	6.0	11	768	958	1920	2610	2650	2860	2930	3660	2440	705
9	9.7	10	772	963	1900	2600	2640	2740	2950	3560	2400	632
10	10	10	782	969	1910	2570	2620	2690	2900	3480	2370	592
11	9.3	9.5	792	980	1910	2550	2600	2650	2760	3410	2340	531
12	8.2	22	780	1190	1960	2530	2570	2630	2620	3340	2310	472
13	6.9	54	776	1520	2070	2500	2540	2640	2500	3290	2280	417
14	6.0	99	773	1620	2160	2480	2540	2640	2460	3240	2250	366
15	5.6	147	777	1600	2260	2450	2520	2620	2440	3180	2220	309
16	5.4	199	773	1540	2400	2430	2500	2780	2400	3120	2190	255
17	5.4	240	768	1520	2540	2410	2480	3120	2370	3070	2160	206
18	5.8	282	769	1500	2620	2380	2450	3820	2350	3040	2120	158
19	5.5	340	771	1470	2670	2360	2440	3800	2320	3000	2080	119
20	5.3	405	770	1400	2710	2340	2420	3580	2280	2960	2050	93
21	5.4	405	819	1340	2750	2320	2400	3390	2240	2920	2010	77
22	5.2	426	826	1350	2750	2310	2380	3250	2190	2890	1970	67
23	5.5	447	829	1350	2750	2280	2350	3200	2150	2860	1930	60
24	5.7	472	833	1360	2750	2260	2330	3290	2100	2830	1880	53
25	5.4	496	832	1370	2740	2240	2300	3390	2070	2800	1820	46
26	7.2	666	829	1390	2720	2230	2280	3390	2060	2770	1760	40
27	9.6	639	841	1400	2700	2300	2250	3340	2280	2750	1690	36
28	11	602	903	1410	2680	2280	2220	3270	2570	2710	1630	31
29	11	611	860	1560	---	2310	2190	3190	2930	2680	1560	29
30	9.4	625	877	1930	---	2380	2160	3120	3290	2650	1490	28
31	9.6	---	910	1960	---	2490	---	3050	---	2620	1410	---
TOTAL	216.2	7337.5	24345	40001	64670	76110	74500	91930	77010	101940	66030	12575
MEAN	6.97	245	785	1290	2310	2455	2483	2965	2567	3288	2130	419
MAX	11	666	910	1960	2750	2670	2700	3820	3290	4460	2600	1320
MIN	5.2	9.5	643	889	1900	2230	2160	2040	2060	2620	1410	28
AC-FT	429	14550	48290	79340	128300	151000	147800	182300	152700	202200	131000	24940

CAL YR 1988 TOTAL 346918.4 MEAN 948 MAX 3190 MIN 5.2 AC-FT 688100
WTR YR 1989 TOTAL 636664.7 MEAN 1744 MAX 4460 MIN 5.2 AC-FT 1263000

RED RIVER BASIN

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07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.74	15.97	22.01	23.39	28.53	31.08	30.84	29.12	32.12	35.50	30.81	25.57
2	15.75	16.05	22.15	23.41	28.51	31.06	31.05	28.98	31.90	36.41	30.73	25.12
3	15.77	16.19	22.27	23.49	28.53	31.00	31.14	28.84	31.69	36.24	30.63	24.61
4	15.76	16.34	22.39	23.49	28.46	30.93	31.16	28.76	31.48	35.92	30.55	24.09
5	15.73	16.30	22.49	23.49	28.44	30.94	31.12	31.98	31.70	35.55	30.47	23.63
6	15.71	16.16	22.56	23.55	28.39	30.94	31.07	32.72	31.43	35.14	30.38	23.22
7	15.71	16.05	22.62	23.64	28.33	30.91	31.05	32.36	31.17	34.70	30.31	22.80
8	15.74	15.96	22.72	23.77	28.24	30.87	31.01	31.71	31.96	34.31	30.25	22.38
9	15.89	15.92	22.74	23.80	28.14	30.81	30.95	31.31	32.03	34.01	30.13	21.95
10	15.92	15.92	22.80	23.83	28.18	30.74	30.88	31.13	31.87	33.76	30.01	21.70
11	15.88	15.88	22.85	23.89	28.20	30.65	30.81	31.01	31.39	33.53	29.90	21.31
12	15.83	16.21	22.79	24.95	28.43	30.57	30.72	30.94	30.89	33.29	29.80	20.91
13	15.78	17.01	22.76	26.46	28.88	30.48	30.63	30.98	30.48	33.12	29.69	20.52
14	15.74	17.67	22.75	26.91	29.24	30.39	30.60	30.96	30.33	32.95	29.58	20.13
15	15.72	18.23	22.77	26.82	29.58	30.30	30.54	30.90	30.24	32.77	29.45	19.69
16	15.71	18.77	22.75	26.56	30.13	30.22	30.46	31.45	30.10	32.59	29.34	19.25
17	15.71	19.12	22.72	26.46	30.62	30.14	30.39	32.57	30.00	32.43	29.23	18.83
18	15.73	19.47	22.73	26.41	30.90	30.05	30.31	34.54	29.92	32.32	29.08	18.35
19	15.72	19.93	22.74	26.26	31.09	29.96	30.27	34.49	29.83	32.18	28.94	17.90
20	15.70	20.42	22.73	25.92	31.21	29.88	30.19	33.90	29.68	32.06	28.78	17.61
21	15.71	20.42	23.00	25.68	31.34	29.83	30.11	33.39	29.52	31.93	28.62	17.40
22	15.70	20.58	23.04	25.69	31.35	29.78	30.03	32.99	29.36	31.83	28.47	17.23
23	15.71	20.73	23.05	25.73	31.36	29.69	29.94	32.84	29.19	31.72	28.30	17.11
24	15.72	20.91	23.07	25.78	31.36	29.61	29.85	33.12	29.02	31.63	28.08	16.99
25	15.71	21.08	23.07	25.81	31.30	29.52	29.76	33.38	28.87	31.52	27.80	16.86
26	15.79	22.11	23.05	25.89	31.25	29.49	29.66	33.41	28.82	31.43	27.52	16.74
27	15.89	21.99	23.12	25.96	31.19	29.77	29.56	33.25	29.67	31.33	27.24	16.64
28	15.93	21.76	23.47	25.98	31.11	29.67	29.45	33.04	30.71	31.22	26.94	16.55
29	15.95	21.82	23.23	26.64	---	29.80	29.34	32.81	31.93	31.10	26.65	16.49
30	15.88	21.91	23.33	28.26	---	30.03	29.24	32.59	33.12	30.99	26.34	16.47
31	15.89	---	23.51	28.42	---	30.43	---	32.35	---	30.90	25.98	---
MAX	15.95	22.11	23.51	28.42	31.36	31.08	31.16	34.54	33.12	36.41	30.81	25.57
MIN	15.70	15.88	22.01	23.39	28.14	29.49	29.24	28.76	28.82	30.90	25.98	16.47

RED RIVER BASIN

07350500 RED RIVER AT COUSHATTA, LA

STATION.--Lat 32°00'45", long 93°21'10", in lot 23, T.12 N., R.10 W., Red River Parish, Hydrologic Unit 08040301, at bridge on U.S. Highway 84 at Coushatta, 11.0 mi downstream from Coushatta Bayou, and at mile 242.4.

DRAINAGE AREA.--63,362 mi².

PERIOD OF RECORD.--Water years 1970-1976, 1987 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (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 05...	1145	1060	8.18	--	10	1.5	10.8	--	6.4	770
NOV 02...	1215	1470	7.65	18.0	30	5.3	10.8	24	4.3	1700
JAN 25...	1100	388	6.99	11.0	50	22	11.3	23	2.9	3800
FEB 14...	1340	348	7.08	11.5	80	65	11.2	25	3.6	1300
MAR 08...	1030	254	7.13	8.0	60	50	11.0	19	3.3	740
APR 26...	1515	435	7.61	23.5	70	24	8.0	63	1.3	700
MAY 11...	1230	230	7.44	21.5	70	65	6.8	29	--	700
26...	1415	175	7.62	27.5	120	130	7.1	42	1.8	1400
JUN 14...	1015	258	7.46	25.5	80	320	6.9	40	1.4	K700
JUL 26...	1200	425	7.40	27.0	60	80	6.4	35	1.0	1200
AUG 30...	1045	508	7.73	30.5	50	12	7.8	13	2.5	K700
SEP 21...	1045	721	7.53	24.0	40	85	6.4	31	1.0	K1400

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (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, WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 05...	160	180	320	80	30	100	5.2	267	110	120
NOV 02...	68	60	350	82	35	160	5.8	160	220	230
JAN 25...	200	K1400	89	24	7.0	40	3.2	49	48	54
FEB 14...	160	580	90	25	6.8	32	2.7	55	--	46
MAR 08...	K640	900	65	19	4.2	20	3.9	44	28	28
APR 26...	K70	K28	120	32	9.0	25	2.9	69	46	58
MAY 11...	170	120	76	20	6.3	17	2.4	54	23	23
26...	400	1000	61	19	3.2	9.8	2.4	65	8.8	10
JUN 14...	210	96	79	24	4.7	16	2.8	74	18	22
JUL 26...	130	130	110	31	8.1	37	3.4	69	47	56
AUG 30...	K150	38	150	42	10	42	3.8	112	49	60
SEP 21...	K180	44	190	51	14	69	3.9	114	81	96

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

RED RIVER BASIN

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07350500 RED RIVER AT COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL 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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	595	24	<0.01	<0.02	1.4	--	0.29	0.12	11
NOV 02...	877	37	0.01	<0.02	1.1	--	0.08	0.07	7.7
JAN 25...	220	52	0.02	0.12	0.66	0.78	0.19	0.06	10
FEB 14...	208	180	0.02	0.14	0.90	1.0	0.24	0.07	9.1
MAR 08...	151	104	--	--	--	--	--	--	9.6
APR 26...	261	80	0.01	<0.02	0.54	--	0.12	0.08	8.4
MAY 11...	137	153	0.02	0.12	<0.20	--	0.16	0.08	9.3
MAY 26...	110	293	0.04	0.27	1.0	1.3	0.33	0.10	13
JUN 14...	146	193	0.04	0.19	0.97	1.2	0.27	0.12	10
JUL 26...	251	171	0.02	0.15	0.82	0.97	0.22	0.08	8.4
AUG 30...	295	62	0.01	<0.02	0.64	--	0.12	0.08	8.2
SEP 21...	421	211	0.03	0.18	1.2	1.4	0.23	0.08	9.8

DATE	ARSENIC TOTAL (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)
OCT 05...	3	<10	<1	<10	5	440	<5	360
MAY 11...	3	<10	<1	<10	6	3700	<5	210
JUL 26...	4	<10	<1	<10	5	4000	4	240

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (µG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
OCT 05...	<0.1	<1	<1	<10	<0.01	<1	3
FEB 14...	--	--	--	--	<0.01	2	2
MAY 11...	<0.1	10	<1	20	<0.01	<1	1
JUL 26...	<0.1	5	<1	10	<0.01	2	3

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

RED RIVER BASIN

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. Indefinite stage-discharge relationship: Dec. 2-9, and Apr. 26 to May 1. Records fair above 50 ft³/s and poor below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--25 years (1939-56, 1983-89), 75.8 ft³/s, 15.60 in/yr, 53,920 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)
Jan. 13	1330	3,750	10.84	June 6	1900	5,500	11.15
Jan. 30	0730	5,030	11.07	June 28	0630	4,870	11.04
May 18	0800	*5,680	*11.18	July 1	1930	3,700	10.83

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	6.2	22	83	186	43	61	e7.0	3.5	1870	12	1.5
2	.00	5.3	e20	39	85	176	35	11	5.7	1340	12	1.4
3	.00	5.8	e18	26	183	165	26	9.5	8.3	858	14	1.4
4	.00	5.9	e16	20	274	75	20	12	28	796	13	1.3
5	.00	5.7	e14	16	95	49	14	71	1930	124	12	1.2
6	.00	5.2	e12	13	71	38	10	107	1570	33	11	1.1
7	.00	5.0	e12	13	55	27	8.2	23	164	323	10	1.0
8	.00	4.7	e14	19	48	21	7.6	11	467	222	11	.90
9	.00	4.5	e25	25	45	16	7.2	8.1	510	51	11	1.0
10	.00	6.6	36	24	39	13	6.7	7.2	78	30	10	21
11	.00	9.7	107	22	36	11	5.9	6.7	41	25	9.5	27
12	.00	12	62	646	74	12	7.3	4.7	30	22	8.7	14
13	.00	16	31	3100	370	11	9.1	7.2	24	20	7.9	10
14	.00	16	23	1450	202	11	18	162	32	19	7.4	7.3
15	.00	11	21	853	181	11	88	213	53	31	6.9	5.9
16	.00	9.3	23	201	330	9.5	47	103	33	27	6.4	5.7
17	.00	8.5	19	59	806	9.2	24	1030	21	22	6.2	5.6
18	.00	9.9	17	38	443	9.6	15	4090	14	22	6.3	4.8
19	.00	13	15	31	286	9.5	27	1080	10	24	6.7	4.1
20	.00	26	15	26	109	9.1	43	166	8.2	18	6.5	3.1
21	.00	18	18	20	93	12	21	52	5.5	18	6.0	1.8
22	.00	11	24	16	57	23	12	33	4.0	16	5.3	1.6
23	.00	9.8	23	13	34	22	9.2	24	3.2	15	4.6	1.1
24	.00	10	22	12	25	16	7.7	19	2.2	14	3.9	.75
25	.00	11	20	12	20	14	6.2	15	1.4	15	3.0	.31
26	.00	171	19	13	19	20	e5.5	12	1.1	27	2.5	.22
27	.00	653	19	77	19	429	e5.0	9.2	229	21	2.0	.01
28	1.8	77	100	51	18	229	e4.9	7.7	3450	18	1.9	.00
29	7.8	28	105	568	---	272	e4.7	6.2	1540	15	2.1	.00
30	6.4	24	46	4020	---	1030	e4.4	5.4	875	14	1.7	.00
31	5.8	---	169	1040	---	372	---	4.2	---	13	1.5	---
TOTAL	21.80	1199.1	1087	12546	4203	3164.9	560.6	7317.1	11142.1	6063	223.0	125.09
MEAN	.70	40.0	35.1	405	150	102	18.7	236	371	196	7.19	4.17
MAX	7.8	653	169	4020	806	1030	88	4090	3450	1870	14	27
MIN	.00	4.5	12	12	18	9.1	4.4	4.2	1.1	13	1.5	.00
AC-FT	43	2380	2160	24880	8340	6280	1110	14510	22100	12030	442	248
CFSM	.01	.61	.53	6.13	2.27	1.55	.28	3.58	5.63	2.96	.11	.06
IN.	.01	.68	.61	7.07	2.37	1.78	.32	4.12	6.28	3.42	.13	.07
CAL YR 1988	TOTAL 16345.25	MEAN 44.7	MAX 2800	MIN .00	AC-FT 32420	CFSM .68	IN. 9.21					
WTR YR 1989	TOTAL 47652.69	MEAN 131	MAX 4090	MIN .00	AC-FT 94520	CFSM 1.98	IN. 26.86					

e Estimated.

RED RIVER BASIN

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07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	4.03	3.98	5.04	6.16	4.00	4.31	2.71	2.13	10.07	1.65	1.11
2	3.48	3.99	3.99	4.24	4.63	6.28	3.74	2.74	2.23	9.81	1.61	1.11
3	3.47	4.01	4.03	3.94	5.91	6.11	3.51	2.70	2.34	9.42	1.78	1.08
4	3.45	4.02	4.05	3.77	7.08	4.72	3.34	2.77	2.88	9.28	1.71	1.07
5	3.42	4.01	4.07	3.63	4.84	4.25	3.15	4.17	8.08	5.14	1.60	1.04
6	3.40	3.99	4.11	3.56	4.33	4.01	3.01	4.86	9.89	3.46	1.54	1.02
7	3.38	3.98	4.13	3.55	4.00	3.73	2.92	3.11	5.31	7.16	1.50	1.01
8	3.37	3.97	4.21	3.74	3.86	3.54	2.88	2.73	7.84	6.12	1.51	1.00
9	3.37	3.96	4.27	3.91	3.78	3.41	2.85	2.65	8.12	3.57	1.51	1.02
10	3.35	4.05	4.31	3.88	3.66	3.32	2.82	2.61	3.89	2.99	1.50	2.08
11	3.33	4.15	5.51	3.83	3.59	3.26	2.77	2.59	3.03	2.62	1.47	2.65
12	3.31	4.22	4.79	8.52	4.31	3.27	2.80	2.51	2.76	2.42	1.44	1.78
13	3.29	4.31	4.20	10.67	7.90	3.25	2.86	2.60	2.57	2.26	1.41	1.52
14	3.27	4.30	4.01	10.16	6.44	3.25	3.10	5.33	2.78	2.22	1.39	1.38
15	3.26	4.19	3.94	9.58	6.20	3.24	4.68	6.23	3.34	2.82	1.37	1.33
16	3.24	4.13	4.00	6.48	7.19	3.20	3.83	4.56	2.83	2.80	1.35	1.32
17	3.23	4.11	3.90	4.63	9.52	3.18	3.25	9.60	2.45	2.38	1.34	1.31
18	3.21	4.15	3.82	4.23	8.35	3.20	2.97	10.87	2.23	2.44	1.35	1.28
19	3.20	4.23	3.77	4.07	7.29	3.20	3.29	9.57	2.11	2.53	1.36	1.25
20	3.19	4.51	3.77	3.93	5.31	3.18	3.69	5.51	2.03	2.14	1.36	1.20
21	3.18	4.35	3.86	3.77	5.05	3.30	3.11	3.55	---	2.09	1.33	1.13
22	3.16	4.19	4.02	3.65	4.40	3.62	2.82	3.08	1.85	1.95	1.30	1.11
23	3.14	4.15	4.01	3.57	3.91	3.59	2.70	2.83	1.82	1.86	1.27	1.08
24	3.13	4.16	3.96	3.54	3.65	3.41	2.63	2.69	1.76	1.81	1.24	1.05
25	3.11	4.17	3.92	3.52	3.53	3.34	2.57	2.57	1.71	1.89	1.20	1.02
26	3.33	5.95	3.89	3.57	3.49	3.48	2.58	2.46	1.69	2.79	1.17	1.02
27	3.64	9.04	3.88	4.91	3.50	8.10	2.62	2.38	4.76	2.32	1.15	1.00
28	4.03	4.97	5.31	4.47	3.47	6.58	2.65	2.31	10.74	2.09	1.14	.98
29	4.10	4.13	5.40	7.29	---	6.70	2.63	2.25	10.22	1.90	1.15	.97
30	4.04	4.03	4.38	10.87	---	9.88	2.70	2.21	9.66	1.78	1.12	.97
31	4.01	---	6.29	9.53	---	7.47	---	2.16	---	1.70	1.11	---
MAX	4.10	9.04	6.29	10.87	9.52	9.88	4.68	10.87	---	10.07	1.78	2.65
MIN	3.11	3.96	3.77	3.52	3.47	3.18	2.57	2.16	---	1.70	1.11	.97

RED RIVER BASIN

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.

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). 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. Records fair. Backwater from Red River. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--9 years, 836 ft³/s, 605,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft³/s, May 18, 1989, gage height, 33.58 ft; maximum gage height, 33.63 ft, May 19, 1989; minimum daily discharge, 12 ft³/s, June 10, 11, 15, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,700 ft³/s, May 18, gage height, 33.58 ft; maximum gage height 33.63 ft, May 19; minimum discharge, 31 ft³/s, Oct. 22, gage height, 0.63 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	389	1120	1730	6620	2050	2730	148	1570	10200	305	158
2	46	340	975	1640	6650	2860	2120	157	1470	10600	292	130
3	45	297	821	1440	5880	2940	1690	185	1620	10600	263	114
4	46	238	693	1210	4860	2760	1460	219	1490	10500	252	105
5	41	188	587	1020	3950	2840	1340	411	1380	10200	223	96
6	37	149	476	850	3270	2890	1200	1020	2830	9950	183	90
7	37	124	378	724	2690	2430	1010	1580	3780	9570	158	86
8	38	104	414	663	2190	1730	882	1560	3860	9130	285	86
9	38	88	420	596	1830	1250	802	1400	3740	8680	281	86
10	36	88	449	564	1560	981	713	1250	3360	8240	264	93
11	35	89	866	588	1320	803	647	1050	2830	7660	234	114
12	34	106	935	1070	1190	668	574	902	2290	7040	185	127
13	33	222	815	3760	1420	584	489	799	1850	6390	e150	127
14	32	377	679	5610	1570	499	419	751	1930	5460	128	199
15	32	444	580	6640	1740	410	387	748	2300	4510	e130	320
16	33	421	507	6930	2500	364	432	1450	2240	3540	e117	268
17	33	371	439	6640	3350	346	442	4110	1880	2740	e105	185
18	33	326	379	5800	3640	323	406	11400	1410	1970	e98	134
19	33	303	325	4700	3530	300	370	11500	1080	1450	e94	107
20	33	366	275	3510	3210	280	339	11500	925	1120	e105	93
21	33	364	235	2590	3380	260	313	11200	777	841	e160	85
22	32	393	229	1930	3210	272	268	10800	635	691	e180	79
23	32	353	629	1560	2820	291	235	10200	546	678	e150	75
24	34	285	627	1280	2390	298	267	9620	487	752	e130	71
25	35	234	507	1060	2040	282	272	8880	447	698	e115	70
26	143	347	413	908	1740	384	251	7970	424	763	e110	69
27	204	870	334	941	1440	2190	236	7030	1790	648	e100	68
28	259	1410	418	1010	1180	3200	189	5600	5750	573	e92	68
29	367	1400	757	1250	---	3730	152	3960	9130	484	e88	67
30	370	1250	947	3980	---	3760	138	2810	9780	417	120	66
31	453	---	1520	5690	---	3410	---	2060	---	342	178	---
TOTAL	2691	11936	18749	77884	81170	45385	20773	132270	73601	146437	5275	3436
MEAN	86.8	398	605	2512	2899	1464	692	4267	2453	4724	170	115
MAX	453	1410	1520	6930	6650	3760	2730	11500	9780	10600	305	320
MIN	32	88	229	564	1180	260	138	148	424	342	88	66
AC-FT	5340	23680	37190	154500	161000	90020	41200	262400	146000	290500	10460	6820
CAL YR 1988	TOTAL 223301		MEAN 610		MAX 7120		MIN 31		AC-FT 442900			
WTR YR 1989	TOTAL 619607		MEAN 1698		MAX 11500		MIN 32		AC-FT 1229000			

e Estimated.

RED RIVER BASIN

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07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.67	3.80	8.18	11.08	21.65	14.12	15.78	1.89	13.39	31.43	6.72	1.98
2	.83	3.43	7.42	10.67	21.71	15.86	16.13	1.98	12.92	32.52	6.46	1.72
3	.83	3.12	6.60	9.72	20.41	15.68	16.35	2.23	12.84	32.51	5.99	1.57
4	.83	2.68	5.85	8.64	18.42	14.99	16.20	2.53	12.22	32.12	5.29	1.48
5	.77	2.25	5.15	7.64	16.53	15.01	15.62	3.95	11.70	31.61	4.42	1.39
6	.72	1.90	4.46	6.75	15.02	14.75	14.86	7.60	14.47	31.18	3.75	1.32
7	.72	1.66	3.83	6.05	13.75	13.65	14.16	10.38	16.60	30.49	3.38	1.28
8	.73	1.47	4.01	5.66	12.56	12.12	13.57	10.27	17.27	29.69	3.18	1.28
9	.72	1.31	4.04	5.21	11.50	10.96	12.86	9.55	18.05	28.83	3.01	1.29
10	.71	1.30	4.22	5.00	10.62	10.09	11.87	8.91	18.37	27.84	2.88	1.36
11	.69	1.32	6.84	5.21	9.85	9.36	10.72	8.41	17.92	26.70	2.65	1.57
12	.67	1.48	7.22	7.65	9.24	8.82	9.47	7.93	17.04	25.44	2.23	1.69
13	.65	2.53	6.56	16.02	9.80	8.25	8.04	7.35	16.08	24.03	---	1.69
14	.64	3.71	5.76	20.18	10.34	7.71	6.55	6.95	16.08	22.18	1.70	2.33
15	.65	4.21	5.10	21.89	11.10	7.39	5.56	6.67	16.41	20.06	---	3.29
16	.66	4.04	4.64	22.25	13.28	7.26	5.24	9.39	15.96	17.24	---	2.91
17	.66	3.67	4.18	21.68	15.19	7.09	4.95	16.69	15.32	14.85	---	2.23
18	.66	3.33	3.72	20.08	15.79	6.65	4.53	32.89	14.84	12.95	---	1.76
19	.66	3.17	3.32	17.78	16.03	6.07	4.14	33.55	14.48	11.68	---	1.50
20	.66	3.63	2.96	15.50	16.43	5.40	3.82	32.98	13.90	11.17	---	1.36
21	.66	3.61	2.66	13.51	17.98	4.73	3.63	32.08	13.27	11.32	---	1.27
22	.64	3.83	2.60	11.81	18.39	4.32	3.57	31.12	12.89	11.66	---	1.21
23	.65	3.53	5.44	10.30	18.06	4.04	3.57	30.07	12.72	11.69	---	1.16
24	.67	3.04	5.42	8.95	17.26	3.79	3.28	28.82	12.56	11.25	---	1.13
25	.69	2.65	4.63	7.86	16.11	3.50	2.94	27.32	12.37	10.85	---	1.11
26	1.81	3.47	3.98	7.07	14.85	3.89	2.78	25.75	12.20	10.89	---	1.10
27	2.41	6.80	3.39	7.25	13.64	12.33	2.66	24.18	15.50	10.27	---	1.09
28	2.84	9.57	3.99	7.61	12.65	14.87	2.27	21.94	22.67	9.21	---	1.09
29	3.63	9.55	6.23	8.71	---	15.95	1.93	18.96	28.52	8.01	1.39	1.08
30	3.66	8.83	7.27	16.37	---	16.01	1.80	16.38	30.38	7.11	1.62	1.07
31	4.28	---	10.08	19.85	---	15.72	---	14.61	---	6.74	2.17	---
MAX	4.28	9.57	10.08	22.25	21.71	16.01	16.35	33.55	30.38	32.52	---	3.29
MIN	.64	1.30	2.60	5.00	9.24	3.50	1.80	1.89	11.70	6.74	---	1.07

RED RIVER BASIN

07351930 RED RIVER AT GRAND Ecore, LA

LOCATION.--Lat 31°49'05", long 93°05'05' in NE 1/4 sec.51, T.10N., R.7W., Natchitoches Parish, Hydrologic Unit 1114027, at bridge on State Highway 6 at Grand Ecore, and 4.0 mi north of Natchitoches.

DRAINAGE AREA.--64.575 mi², of which 5.936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1988 to current year.

REMARKS.--Water-quality samples are non-integrated and collected from center span of bridge.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (µS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (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 05...	1015	1000	8.12	--	15	4.9	9.9	40	5.7	140
NOV 02...	1030	1390	7.78	18.5	30	27	10.3	25	3.9	470
JAN 25...	0915	305	6.90	11.0	70	50	11.1	25	3.0	3200
FEB 14...	1230	359	6.99	12.5	140	70	11.0	22	3.0	700
MAR 08...	0920	236	7.18	8.5	60	33	10.8	24	2.2	1800
APR 26...	1345	406	7.68	23.0	60	37	8.2	58	1.7	960
MAY 11...	1000	275	7.63	21.5	40	45	6.8	31	--	640
25...	1230	192	7.52	27.0	60	150	4.8	43	2.5	2200
JUN 14...	0845	266	7.44	26.0	80	100	6.7	44	1.6	K500
JUL 26...	1000	418	7.38	27.0	40	100	6.2	35	1.1	400
AUG 30...	0945	528	7.81	30.0	40	19	7.3	15	2.0	K160
SEP 21...	0930	677	7.45	24.0	50	95	7.2	26	1.8	580

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS. / 100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (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, WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 05...	82	350	340	85	32	100	5.3	279	100	120
NOV 02...	52	480	340	81	33	160	5.8	164	200	210
JAN 25...	230	K1000	75	21	5.5	29	3.2	46	35	38
FEB 14...	180	950	92	26	6.6	34	2.8	54	47	49
MAR 08...	380	800	59	17	3.9	18	2.2	45	25	24
APR 26...	K60	K48	110	30	8.0	37	2.9	69	47	53
MAY 11...	130	44	80	21	6.7	21	2.7	56	29	30
25...	170	800	66	20	3.9	9.4	3.1	66	9.2	12
JUN 14...	96	160	79	24	4.7	17	2.7	67	18	23
JUL 26...	100	80	110	31	8.1	35	3.4	70	46	53
AUG 30...	K74	40	150	43	11	44	3.5	116	46	65
SEP 21...	76	88	190	51	14	61	3.7	130	79	83

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

RED RIVER BASIN

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07351930 RED RIVER AT GRAND ECORE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL 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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	625	26	<0.01	<0.02	1.2	--	0.19	0.08	--
NOV 02...	829	59	0.01	0.03	1.2	1.2	0.20	0.09	8.2
JAN 25...	173	155	0.03	0.14	0.76	0.90	0.26	0.08	10
FEB 14...	221	209	0.02	0.14	0.87	1.0	0.26	0.07	8.7
MAR 08...	135	89	0.02	0.17	0.66	0.83	0.17	0.07	9.8
APR 26...	239	127	0.02	<0.02	0.60	--	0.15	0.09	9.9
MAY 11...	162	201	0.02	0.12	<0.20	--	0.17	0.08	11
25...	115	364	0.05	0.18	1.3	1.5	0.38	0.14	14
JUN 14...	158	130	0.04	0.20	0.81	1.0	0.24	0.12	9.9
JUL 26...	237	241	0.02	0.17	0.94	1.1	0.27	0.09	9.2
AUG 30...	305	87	0.01	<0.02	0.66	--	0.14	0.07	8.0
SEP 21...	389	317	0.02	0.02	1.1	1.1	0.27	0.07	9.2

DATE	ARSENIC TOTAL (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)
OCT 05...	3	<10	<1	<10	4	540	<5	340
FEB 14...	3	<10	<1	10	9	4900	10	180
MAY 11...	3	<10	<1	<10	7	4500	<5	260
JUL 26...	4	<10	<1	<10	6	5100	4	290

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
OCT 05...	0.2	<1	<1	10	<0.01	<1	<1
FEB 14...	<0.1	6	<1	30	<0.01	1	1
MAY 11...	<0.1	8	<1	20	<0.01	<1	1
JUL 26...	<0.1	8	<1	10	<0.01	4	3

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

RED RIVER BASIN

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.--Estimated daily discharges. Records fair, except for period of indefinite stage-discharge relationship, Oct. 18-27, and Nov. 5-11, which are poor. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 166 ft³/s, 14.64 in/yr, 120,300 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)
Jan. 14	0800	1,040	6.99	May 19	0400	*10,300	*11.30
Feb. 19	0900	1,070	7.02	June 30	2100	6,860	10.23
Mar. 29	2400	1,300	7.24	July 7	1300	2,740	8.35
May 6	1200	8,770	10.87				

Minimum discharge, 11 ft³/s, Oct. 8; minimum gage-height, 3.07 ft, Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	32	82	287	587	311	747	56	67	6200	117	57
2	26	28	68	301	676	461	585	66	73	6040	88	44
3	28	25	61	268	624	486	329	55	85	3030	76	38
4	20	28	58	171	415	475	212	58	86	1490	71	35
5	15	e27	55	124	333	716	176	212	171	1120	64	32
6	12	e25	53	106	307	736	147	6060	243	1130	57	30
7	12	e23	52	97	248	733	126	3050	237	2280	52	30
8	11	e22	96	105	213	818	111	1170	288	1950	51	29
9	13	e23	99	103	191	695	107	757	359	1140	48	29
10	15	e22	90	97	183	483	97	515	338	775	46	85
11	15	e25	113	95	169	300	88	331	262	534	44	160
12	13	48	104	195	186	234	81	277	161	286	42	110
13	12	71	84	770	294	201	76	224	112	287	40	57
14	12	82	75	986	352	176	102	206	204	481	38	44
15	12	66	78	851	404	159	157	236	385	630	37	47
16	12	76	79	781	542	144	155	310	426	773	37	45
17	13	63	74	742	733	152	129	556	431	655	39	39
18	e12	54	68	645	892	167	100	5810	347	404	47	33
19	e12	54	65	429	1040	149	90	8050	192	256	42	30
20	e12	94	62	253	924	134	87	2770	126	216	39	27
21	e12	91	61	191	835	137	83	1270	97	219	36	25
22	e12	66	65	157	705	154	77	794	82	179	35	24
23	e12	53	126	130	604	159	65	589	69	134	36	24
24	e12	50	142	115	610	158	56	323	61	127	39	23
25	e15	47	91	109	499	138	51	216	55	130	39	23
26	e64	82	75	110	306	143	48	168	68	122	38	23
27	e62	224	70	137	238	385	45	136	387	113	35	24
28	51	265	125	146	233	581	43	111	1530	99	34	23
29	44	218	137	204	---	971	44	95	3550	98	52	30
30	34	136	170	477	---	1170	72	84	5930	221	95	37
31	33	---	262	610	---	829	---	74	---	198	88	---
TOTAL	647	2120	2840	9792	13343	12555	4286	34629	16422	31317	1602	1257
MEAN	20.9	70.7	91.6	316	477	405	143	1117	547	1010	51.7	41.9
MAX	64	265	262	986	1040	1170	747	8050	5930	6200	117	160
MIN	11	22	52	95	169	134	43	55	55	98	34	23
AC-FT	1280	4210	5630	19420	26470	24900	8500	68690	32570	62120	3180	2490
CFSM	.14	.46	.59	2.05	3.09	2.63	.93	7.25	3.55	6.56	.34	.27
IN.	.16	.51	.69	2.37	3.22	3.03	1.04	8.36	3.97	7.56	.39	.30

CAL YR 1988	TOTAL 41429.7	MEAN 113	MAX 1420	MIN 5.4	AC-FT 82180	CFSM .74	IN. 10.01
WTR YR 1989	TOTAL 130810	MEAN 358	MAX 8050	MIN 11	AC-FT 259500	CFSM 2.33	IN. 31.60

e Estimated.

RED RIVER BASIN

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07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.38	3.60	4.25	5.69	6.37	5.74	6.63	3.79	3.84	9.98	4.65	3.66
2	3.53	3.51	4.04	5.73	6.52	6.12	6.36	3.96	3.93	9.92	4.32	3.42
3	3.58	3.44	3.93	5.61	6.43	6.18	5.79	3.78	4.11	8.48	4.15	3.30
4	3.41	3.52	3.86	5.09	6.02	6.15	5.35	3.83	4.12	7.40	4.06	3.23
5	3.26	3.58	3.82	4.74	5.81	6.58	5.13	5.14	4.94	7.08	3.94	3.17
6	3.18	3.57	3.78	4.55	5.74	6.61	4.92	9.63	5.46	7.08	3.81	3.12
7	3.14	3.73	3.77	4.45	5.53	6.61	4.73	8.45	5.43	8.02	3.72	3.12
8	3.13	3.56	4.41	4.54	5.35	6.73	4.57	7.10	5.67	7.78	3.68	3.10
9	3.18	3.63	4.47	4.52	5.23	6.55	4.52	6.64	5.88	7.09	3.63	3.09
10	3.25	3.74	4.36	4.44	5.18	6.16	4.40	6.23	5.83	6.66	3.58	4.05
11	3.25	3.76	4.63	4.42	5.09	5.72	4.30	5.80	5.54	6.26	3.54	4.87
12	3.19	3.86	4.53	5.01	5.19	5.46	4.21	5.63	4.89	5.66	3.49	4.38
13	3.15	4.22	4.28	6.64	5.69	5.29	4.13	5.34	4.43	5.64	3.44	3.68
14	3.14	4.35	4.16	6.93	5.86	5.13	4.45	5.23	5.15	6.16	3.40	3.46
15	3.14	4.13	4.19	6.77	5.99	5.01	5.00	5.42	5.95	6.44	3.37	3.52
16	3.14	4.28	4.21	6.68	6.29	4.90	4.98	5.72	6.05	6.66	3.37	3.48
17	3.15	4.10	4.14	6.62	6.61	4.96	4.75	6.27	6.06	6.48	3.40	3.38
18	3.20	3.96	4.04	6.47	6.82	5.08	4.44	9.71	5.83	5.99	3.56	3.29
19	3.23	3.96	4.00	6.04	6.99	4.94	4.32	10.59	5.12	5.56	3.45	3.22
20	3.25	4.48	3.94	5.55	6.86	4.80	4.28	8.31	4.57	5.37	3.38	3.18
21	3.26	4.44	3.92	5.23	6.75	4.83	4.23	7.20	4.25	5.38	3.31	3.15
22	3.28	4.12	3.99	5.01	6.56	4.98	4.15	6.69	4.06	5.14	3.27	3.15
23	3.31	3.93	4.75	4.79	6.40	5.02	3.95	6.37	3.88	4.81	3.29	3.13
24	3.40	3.87	4.89	4.65	6.41	5.01	3.80	5.76	3.73	4.75	3.34	3.11
25	3.41	3.83	4.37	4.58	6.20	4.84	3.70	5.29	3.62	4.77	3.34	3.10
26	4.20	4.26	4.16	4.59	5.73	4.85	3.64	4.96	3.82	4.71	3.31	3.12
27	4.15	5.38	4.08	4.85	5.48	5.93	3.58	4.67	5.46	4.62	3.25	3.13
28	3.95	5.61	4.74	4.93	5.46	6.36	3.54	4.42	7.43	4.46	3.21	3.12
29	3.83	5.38	4.86	5.28	---	6.88	3.57	4.23	8.74	4.45	3.57	3.26
30	3.64	4.82	5.04	6.14	---	7.12	4.07	4.09	9.87	5.39	4.22	3.39
31	3.62	---	5.59	6.41	---	6.74	---	3.95	---	5.25	4.14	---
MAX	4.20	5.61	5.59	6.93	6.99	7.12	6.63	10.59	9.87	9.98	4.65	4.87
MIN	3.13	3.44	3.77	4.42	5.09	4.80	3.54	3.78	3.62	4.45	3.21	3.09

RED RIVER BASIN

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.

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.--No estimated daily discharges. Records fair between 100 and 200 ft³/s and good above.

AVERAGE DISCHARGE.--31 years (water years 1957-77, 1980-89), 95.1 ft³/s, 13.75 in/yr, 68,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,400 ft³/s, May 18, 1989, gage height, 14.04 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)
Jan. 15	0730	1,020	8.53	May 18	0130	*15,400	*14.04
Jan. 31	1500	1,070	8.58	June 29	1630	8,720	12.18
Mar. 27	1530	1,790	9.20	July 7	2030	1,490	8.97

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.6	19	323	887	411	305	117	5.2	4450	76	1.2
2	.25	2.4	12	263	641	581	100	71	3.8	4300	29	.98
3	.23	1.8	9.2	93	450	585	56	27	3.0	2260	17	.83
4	41	1.8	6.9	46	293	545	42	39	3.3	1570	14	.63
5	11	1.7	5.8	31	293	436	32	248	18	1100	8.8	.46
6	2.3	1.9	4.8	23	203	347	26	409	45	839	6.1	.26
7	1.2	1.9	4.5	19	123	299	20	427	54	1080	4.7	.04
8	.73	1.7	6.6	19	91	173	16	326	36	1070	3.7	.00
9	.49	1.6	13	19	81	96	15	90	44	664	2.9	.02
10	.38	1.9	19	21	69	66	23	54	94	296	2.6	4.1
11	.33	2.0	44	26	55	52	13	72	61	74	2.7	25
12	.39	2.4	95	68	69	43	9.9	39	25	36	2.0	30
13	.37	2.1	68	509	244	36	7.7	22	14	23	1.7	12
14	.33	12	31	883	330	31	7.9	126	41	26	1.8	20
15	.27	23	20	1000	333	27	17	122	177	99	1.9	54
16	.20	9.1	19	843	371	23	41	272	187	89	2.6	33
17	.10	8.3	17	609	500	21	40	1700	79	43	2.7	15
18	.03	5.6	13	366	559	19	27	12700	37	26	2.3	8.1
19	.00	2.9	11	182	539	17	18	4560	19	19	2.2	5.1
20	.00	2.0	9.8	124	481	16	13	1400	12	14	2.5	3.5
21	.00	2.5	8.9	78	424	17	10	759	7.5	11	10	2.6
22	.00	2.1	10	49	429	41	8.2	490	4.9	8.4	5.2	1.7
23	.00	2.4	24	36	499	57	6.1	159	3.4	6.6	3.0	1.3
24	.00	2.0	20	30	484	38	4.6	50	2.6	5.3	2.1	1.1
25	.00	1.4	18	27	263	28	3.5	31	1.9	34	1.6	.84
26	1.2	1.8	15	27	87	61	2.8	21	1.4	74	1.4	.84
27	.72	104	12	61	63	1330	2.4	17	761	114	1.3	.75
28	.76	250	41	126	66	1270	1.8	14	2150	122	1.8	.57
29	1.0	146	128	187	---	903	1.8	11	7090	72	1.8	.65
30	3.3	39	115	739	---	653	185	8.2	5830	67	1.4	.61
31	3.0	---	226	1030	---	506	---	6.6	---	66	1.3	---
TOTAL	69.58	639.9	1046.5	7857	8927	8728	1055.7	24387.8	16811.0	18658.3	218.1	225.18
MEAN	2.24	21.3	33.8	253	319	282	35.2	787	560	602	7.04	7.51
MAX	41	250	226	1030	887	1330	305	12700	7090	4450	76	54
MIN	.00	1.4	4.5	19	55	16	1.8	6.6	1.4	5.3	1.3	.00
AC-FT	138	1270	2080	15580	17710	17310	2090	48370	33340	37010	433	447
CFSM	.02	.23	.36	2.70	3.40	3.00	.37	8.38	5.97	6.41	.07	.08
IN.	.03	.25	.41	3.11	3.54	3.46	.42	9.66	6.66	7.39	.09	.09
CAL YR 1988	TOTAL 27304.67	MEAN 74.6	MAX 2480	MIN .00	AC-FT 54160	CFSM .79	IN. 10.82					
WTR YR 1989	TOTAL 88624.06	MEAN 243	MAX 12700	MIN .00	AC-FT 175800	CFSM 2.59	IN. 35.11					

RED RIVER BASIN

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07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.47	1.83	2.41	6.64	8.36	6.67	6.43	4.47	1.67	10.59	3.74	1.34
2	1.63	1.81	2.12	6.11	7.99	7.86	4.20	3.67	1.58	10.51	2.66	1.32
3	1.64	1.74	1.96	4.11	7.37	7.87	3.36	2.58	1.51	9.48	2.29	1.29
4	3.13	1.74	1.83	3.20	6.41	7.76	3.02	2.83	1.53	9.04	2.15	1.25
5	2.40	1.72	1.75	2.83	6.40	7.35	2.76	5.84	2.26	8.61	1.91	1.21
6	1.95	1.76	1.68	2.57	5.56	6.83	2.55	7.22	2.99	8.30	1.75	1.17
7	1.82	1.75	1.65	2.43	4.61	6.44	2.37	7.32	3.20	8.54	1.66	1.12
8	1.74	1.73	1.81	2.42	4.11	5.23	2.24	6.64	2.79	8.57	1.58	1.06
9	1.69	1.72	2.16	2.42	3.94	4.20	2.18	3.97	2.98	8.01	1.50	1.03
10	1.67	1.75	2.42	2.50	3.71	3.65	2.47	3.30	4.04	6.29	1.48	1.59
11	1.66	1.76	3.15	2.65	3.42	3.35	2.10	3.70	3.37	3.66	1.48	2.59
12	1.67	1.81	4.18	3.45	3.64	3.16	1.95	2.94	2.50	2.83	1.41	2.78
13	1.67	1.78	3.68	7.60	5.95	2.97	1.84	2.44	2.12	2.48	1.38	2.10
14	1.66	2.26	2.82	8.35	6.70	2.83	1.85	4.51	2.86	2.54	1.38	2.41
15	1.65	2.77	2.44	8.51	6.73	2.70	2.23	4.55	5.25	4.15	1.40	3.39
16	1.63	2.26	2.43	8.31	6.98	2.58	3.00	5.78	5.38	3.98	1.49	2.86
17	1.61	2.22	2.33	7.91	7.62	2.49	2.97	8.71	3.74	3.02	1.50	2.23
18	1.60	2.07	2.18	6.88	7.80	2.42	2.59	13.35	2.82	2.57	1.46	1.90
19	1.58	1.87	2.08	5.36	7.74	2.36	2.29	10.57	2.33	2.34	1.44	1.71
20	1.57	1.77	2.00	4.63	7.57	2.32	2.10	8.87	2.02	2.14	1.46	1.58
21	1.56	1.83	1.94	3.88	7.30	2.35	1.97	8.18	1.82	2.02	2.02	1.50
22	1.54	1.77	2.02	3.29	7.34	3.05	1.86	7.53	1.65	1.88	1.72	1.40
23	1.53	1.81	2.59	2.96	7.62	3.46	1.74	4.86	1.54	1.78	1.55	1.36
24	1.53	1.77	2.46	2.78	7.57	3.02	1.64	3.09	1.48	1.70	1.44	1.33
25	1.52	1.70	2.37	2.69	6.04	2.72	1.56	2.65	1.40	2.59	1.39	1.31
26	1.75	1.73	2.25	2.70	4.04	3.18	1.50	2.38	1.34	3.71	1.36	1.32
27	1.66	4.15	2.12	3.52	3.60	8.74	1.45	2.21	5.53	4.41	1.36	1.31
28	1.66	6.03	2.89	4.66	3.65	8.77	1.39	2.11	9.43	4.54	1.41	1.29
29	1.67	4.83	4.69	5.30	---	8.38	1.39	1.97	11.56	3.67	1.41	1.31
30	1.93	3.03	4.49	8.14	---	8.01	5.28	1.85	11.16	3.59	1.36	1.32
31	1.89	---	5.78	8.53	---	7.64	---	1.76	---	3.53	1.35	---
MAX	3.13	6.03	5.78	8.53	8.36	8.77	6.43	13.35	11.56	10.59	3.74	3.39
MIN	1.47	1.70	1.65	2.42	3.42	2.32	1.39	1.76	1.34	1.70	1.35	1.03

RED RIVER BASIN

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 State Highway 1226, 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, 25.76 ft, July 6, 1989, from floodmark; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.76 ft, July 6, from floodmark; minimum, 9.04 ft, Oct. 25, 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.06	9.49	9.74	10.58	13.19	14.30	13.22	10.39	---	22.20	13.52	9.95
2	9.15	9.48	9.77	10.61	13.28	14.74	13.16	10.34	17.10	23.61	13.25	9.92
3	9.15	9.48	9.81	10.67	13.41	14.94	13.08	10.29	16.59	23.77	12.99	9.89
4	9.13	9.50	9.84	10.70	13.40	14.97	12.99	10.30	16.08	---	12.73	9.85
5	9.13	9.52	9.86	10.72	13.37	14.99	12.86	10.46	15.60	---	12.48	9.81
6	9.13	9.48	9.86	10.76	13.30	14.98	12.70	10.53	15.12	---	12.26	9.81
7	9.13	9.44	9.87	10.78	13.22	14.83	12.57	10.58	14.68	---	12.06	9.86
8	9.13	9.45	9.96	10.84	13.14	14.63	12.44	10.63	14.58	---	11.88	9.83
9	9.15	9.43	9.98	10.86	13.06	14.41	12.30	11.19	14.26	---	11.68	9.79
10	9.16	9.44	10.00	10.88	12.95	14.17	12.16	12.43	13.93	---	11.51	9.98
11	9.16	9.41	10.11	11.03	12.83	13.94	11.99	13.17	13.64	---	11.35	10.04
12	9.15	9.43	10.13	11.46	12.73	13.72	11.84	13.44	13.40	---	11.20	10.07
13	9.13	9.48	10.13	12.11	12.69	13.53	11.70	13.49	13.19	22.46	11.07	10.10
14	9.11	9.47	10.13	12.72	12.63	13.36	11.60	13.47	13.10	21.90	10.95	10.13
15	9.10	9.45	10.17	13.08	12.57	13.22	11.49	13.37	13.05	21.35	10.84	10.10
16	9.11	9.52	10.16	13.35	12.63	13.04	11.37	13.37	12.95	20.81	10.73	10.08
17	9.10	9.49	10.14	13.49	12.80	12.86	11.28	13.67	12.84	20.27	10.64	10.07
18	9.10	9.48	10.11	13.58	12.90	12.70	11.20	---	12.75	19.72	10.55	10.06
19	9.09	9.52	10.08	13.59	12.96	12.52	11.14	---	12.63	19.18	10.47	10.05
20	9.08	9.58	10.08	13.52	13.12	12.36	11.06	---	12.49	18.65	10.39	10.02
21	9.09	9.54	10.07	13.40	13.51	12.26	10.98	---	12.35	18.15	10.32	9.99
22	9.07	9.54	10.08	13.30	13.81	12.13	10.91	---	12.21	17.72	10.26	9.96
23	9.07	9.53	10.32	13.20	13.96	12.00	10.83	---	12.10	17.31	10.20	9.92
24	9.07	9.52	10.36	13.10	14.06	11.87	10.76	---	11.96	16.90	10.15	9.87
25	9.05	9.50	10.34	12.97	14.12	11.77	10.70	---	11.80	16.46	10.12	9.83
26	9.24	9.60	10.31	12.85	14.13	11.72	10.64	---	11.66	16.04	10.06	9.80
27	9.31	9.69	10.35	12.71	14.13	11.93	10.58	---	12.00	15.59	10.01	9.77
28	9.37	9.68	10.53	12.54	14.11	12.08	10.51	---	13.10	15.11	9.98	9.74
29	9.39	9.67	10.49	12.48	---	12.53	10.47	---	16.26	14.66	9.96	9.73
30	9.41	9.72	10.49	12.88	---	13.00	10.43	---	20.20	14.24	10.03	9.71
31	9.49	---	10.54	13.08	---	13.22	---	---	---	13.87	9.99	---
MAX	9.49	9.72	10.54	13.59	14.13	14.99	13.22	---	---	---	13.52	10.13
MIN	9.05	9.41	9.74	10.58	12.57	11.72	10.43	---	---	---	9.96	9.71

RED RIVER BASIN

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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).

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, 7.66 ft, May 18; minimum, 2.85 ft, Sept. 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.92	3.27	3.18	3.84	4.16	3.47	3.99	3.25	3.34	6.80	3.18	3.02
2	3.01	3.24	3.16	3.72	4.01	3.65	3.83	3.22	3.32	6.48	3.17	3.01
3	3.03	3.21	3.15	3.60	3.87	3.86	3.68	3.20	3.33	5.78	3.16	3.00
4	3.01	3.20	3.14	3.49	3.73	3.96	3.58	3.20	3.36	5.00	3.15	2.98
5	3.00	3.18	3.13	3.41	3.64	4.05	3.50	3.25	3.45	4.50	3.14	2.96
6	2.98	3.15	3.12	3.36	3.59	4.07	3.43	3.25	3.52	4.19	3.13	2.94
7	2.96	3.12	3.12	3.33	3.53	4.01	3.39	3.23	3.45	4.05	3.13	2.93
8	2.95	3.12	3.17	3.34	3.48	3.92	3.36	3.21	3.42	4.00	3.13	2.94
9	2.95	3.11	3.21	3.32	3.44	3.79	3.35	3.20	3.36	3.84	3.11	2.93
10	2.96	3.11	3.25	3.30	3.41	3.67	3.33	3.19	3.33	3.70	3.10	3.03
11	2.95	3.10	3.44	3.40	3.38	3.58	3.30	3.17	3.36	3.60	3.09	3.05
12	2.95	3.10	3.52	4.15	3.38	3.51	3.29	3.14	3.32	3.53	3.09	3.05
13	2.93	3.13	3.49	4.99	3.40	3.45	3.28	3.14	3.29	3.47	3.08	3.04
14	2.92	3.12	3.41	5.33	3.42	3.41	3.29	3.18	3.38	3.44	3.08	3.04
15	2.90	3.11	3.39	5.16	3.42	3.39	3.30	3.19	3.55	3.41	3.08	3.01
16	2.90	3.13	3.34	4.67	3.42	3.35	3.29	3.66	3.54	3.38	3.08	2.99
17	2.89	3.11	3.29	4.27	3.51	3.32	3.28	5.24	3.47	3.36	3.08	2.99
18	2.89	3.09	3.26	4.06	3.63	3.30	3.27	6.80	3.41	3.34	3.08	2.98
19	2.89	3.10	3.23	3.92	3.66	3.29	3.27	7.25	3.35	3.31	3.11	2.96
20	2.88	3.11	3.22	3.82	3.68	3.29	3.26	5.92	3.29	3.28	3.10	2.95
21	2.88	3.10	3.21	3.74	3.85	3.37	3.29	4.92	3.25	3.26	3.09	2.94
22	2.87	3.10	3.21	3.67	3.85	3.58	3.30	4.77	3.22	3.24	3.09	2.93
23	2.87	3.09	3.24	3.61	3.77	3.67	3.31	4.47	3.20	3.22	3.08	2.93
24	2.88	3.08	3.32	3.56	3.68	3.68	3.31	4.08	3.18	3.21	3.07	2.90
25	2.87	3.08	3.39	3.51	3.57	3.59	3.30	3.83	3.16	3.21	3.07	2.89
26	3.05	3.11	3.36	3.49	3.49	3.54	3.28	3.67	3.15	3.21	3.06	2.87
27	3.25	3.19	3.35	3.45	3.45	3.79	3.27	3.57	3.53	3.20	3.05	2.87
28	3.32	3.21	3.61	3.42	3.45	3.88	3.26	3.50	4.85	3.18	3.05	2.86
29	3.34	3.20	3.74	3.98	---	4.05	3.26	3.44	6.14	3.17	3.05	2.87
30	3.31	3.19	3.90	4.43	---	4.19	3.27	3.39	7.41	3.19	3.04	2.87
31	3.30	---	3.95	4.28	---	4.15	---	3.36	---	3.20	3.03	---
MAX	3.34	3.27	3.95	5.33	4.16	4.19	3.99	7.25	7.41	6.80	3.18	3.05
MIN	2.87	3.08	3.12	3.30	3.38	3.29	3.26	3.14	3.15	3.17	3.03	2.86

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.

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.

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.

AVERAGE DISCHARGE.--9 years, 215 ft³/s, 20.86 in/yr, 155,800 acre-ft/yr.

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.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 13	0530	7.060	16.51	May 18	1900	7,500	16.58
Jan. 29	2100	5.270	16.10	June 28	1030	*11.700	*17.09
Feb. 21	0619	4.640	15.89	July 2	0330	8,100	16.67

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	13	11	198	360	262	224	86	57	5140	168	28
2	7.8	12	9.7	128	263	762	175	74	245	6390	367	25
3	12	10	10	106	226	674	153	47	658	1120	221	23
4	10	8.9	9.7	87	216	390	134	145	225	835	121	22
5	7.0	7.9	9.7	67	187	1370	117	647	165	529	90	21
6	5.8	7.2	11	60	188	504	101	300	159	554	75	27
7	5.3	6.5	12	56	170	304	94	108	170	1850	66	27
8	5.1	6.5	19	101	152	224	90	68	1180	650	63	31
9	5.0	6.4	58	134	174	182	86	52	292	425	57	24
10	5.2	6.4	65	132	156	157	84	45	140	283	51	33
11	5.2	6.4	533	623	137	140	76	40	103	218	48	42
12	5.0	6.8	177	4810	134	126	70	35	86	178	45	31
13	4.8	10	69	6260	225	115	65	32	75	155	43	25
14	4.7	15	42	3210	181	109	69	50	371	166	41	22
15	4.6	15	190	979	139	100	111	190	715	1230	40	21
16	4.4	13	273	482	125	93	100	1790	205	329	39	21
17	4.4	10	90	331	448	87	75	4230	113	207	39	20
18	4.4	9.2	48	965	335	83	61	5370	84	169	37	19
19	4.3	9.5	35	1370	225	78	56	3960	70	131	38	19
20	4.2	11	29	1030	359	85	59	635	60	243	35	18
21	4.2	19	26	529	3120	745	49	337	54	159	32	17
22	4.2	19	24	316	633	1580	43	239	52	105	31	17
23	4.4	13	28	239	310	489	40	189	47	86	40	17
24	4.6	10	107	218	219	277	37	156	46	88	48	16
25	4.5	9.1	68	225	182	187	35	130	43	81	49	16
26	14	11	39	183	164	183	34	109	52	72	38	16
27	70	15	35	187	155	1270	31	95	4880	79	31	16
28	37	21	1940	186	313	550	40	85	10900	116	28	16
29	36	15	532	2360	---	1590	311	76	8490	336	26	17
30	18	12	178	2360	---	1160	102	68	6160	857	29	18
31	13	---	236	632	---	370	---	62	---	319	30	---
TOTAL	324.1	334.8	4914.1	28564	9496	14246	2722	19450	35824	23100	2066	659
MEAN	10.5	11.2	159	921	339	460	90.7	627	1194	745	66.6	22.0
MAX	70	21	1940	6260	3120	1590	311	5370	10900	6390	367	42
MIN	4.2	6.4	9.7	56	125	78	31	32	43	72	26	16
AC-FT	643	664	9750	56660	18840	28260	5400	38580	71060	45820	4100	1310
CFSM	.07	.08	1.13	6.58	2.42	3.28	.65	4.48	8.53	5.32	.48	.16
IN.	.09	.09	1.31	7.59	2.52	3.79	.72	5.17	9.52	6.14	.55	.18
CAL YR 1988	TOTAL		44836.8	MEAN 123		MAX 3830	MIN 3.9	AC-FT 88930	CFSM .88		IN. 11.91	
WTR YR 1989	TOTAL		141700.0	MEAN 388		MAX 10900	MIN 4.2	AC-FT 281100	CFSM 2.77		IN. 37.65	

RED RIVER BASIN

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07354100 KISATCHIE BAYOU AT LOTUS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.03	3.59	3.50	6.62	7.59	6.93	6.65	5.20	4.70	15.80	6.48	4.39
2	3.26	3.51	3.45	5.89	6.95	9.42	6.25	5.00	5.95	16.19	8.00	4.31
3	3.48	3.44	3.47	5.62	6.67	9.33	6.04	4.49	9.14	11.23	6.94	4.25
4	3.39	3.37	3.45	5.35	6.59	7.76	5.84	5.36	6.75	10.28	5.98	4.20
5	3.21	3.31	3.45	5.03	6.35	11.82	5.63	9.26	6.18	8.92	5.57	4.16
6	3.13	3.27	3.50	4.89	6.36	8.47	5.42	7.16	6.12	9.05	5.35	4.16
7	3.09	3.22	3.55	4.82	6.20	7.22	5.31	5.50	5.36	13.02	5.20	4.37
8	3.07	3.22	3.85	5.49	6.03	6.65	5.25	4.90	10.90	9.46	5.14	4.47
9	3.06	3.22	4.83	5.96	6.24	6.31	5.20	4.60	7.27	8.37	5.04	4.28
10	3.08	3.21	4.99	5.94	6.07	6.07	5.16	4.43	5.90	7.45	4.93	4.52
11	3.08	3.21	8.77	7.75	5.88	5.91	5.03	4.32	5.44	6.95	4.86	4.75
12	3.07	3.25	6.39	15.90	5.83	5.74	4.93	4.21	5.19	6.58	4.81	4.47
13	3.06	3.45	5.07	16.33	6.66	5.61	4.84	4.11	5.01	6.36	4.77	4.30
14	3.05	3.70	4.52	14.87	6.30	5.53	4.91	4.51	7.24	6.44	4.73	4.21
15	3.04	3.68	5.92	10.63	5.90	5.40	5.55	5.91	9.58	11.44	4.69	4.17
16	3.03	3.57	7.16	8.35	5.73	5.30	5.41	11.62	6.55	7.73	4.68	4.16
17	3.03	3.47	5.38	7.40	8.14	5.22	5.01	15.30	5.58	6.85	4.66	4.14
18	3.02	3.40	4.65	9.62	7.43	5.15	4.77	15.53	5.17	6.50	4.62	4.12
19	3.02	3.42	4.35	11.74	6.66	5.08	4.68	14.61	4.93	6.10	4.64	4.09
20	3.02	3.53	4.18	10.93	7.14	5.15	4.73	9.30	4.75	7.12	4.58	4.07
21	3.02	3.86	4.08	8.61	14.53	9.37	4.53	7.63	4.63	6.39	4.50	4.05
22	3.02	3.84	4.02	7.30	9.12	12.20	4.40	6.89	4.60	5.77	4.48	4.04
23	3.04	3.61	4.15	6.77	7.26	8.38	4.32	6.44	4.49	5.52	4.69	4.03
24	3.06	3.47	5.59	6.61	6.62	7.04	4.25	6.10	4.46	5.55	4.87	4.01
25	3.05	3.41	5.03	6.67	6.31	6.35	4.19	5.80	4.39	5.44	4.88	3.99
26	3.52	3.50	4.44	6.31	6.15	6.28	4.17	5.53	4.60	5.30	4.65	4.00
27	5.02	3.68	4.31	6.35	6.06	11.61	4.10	5.33	12.53	5.41	4.48	4.01
28	4.38	3.93	13.04	6.34	7.25	8.68	4.29	5.18	17.01	5.81	4.40	4.00
29	4.33	3.70	8.64	11.44	---	11.34	7.19	5.04	16.72	7.48	4.34	4.03
30	3.76	3.58	6.43	13.49	---	11.02	5.42	4.91	16.20	10.23	4.41	4.06
31	3.57	---	6.95	9.15	---	7.66	---	4.79	---	7.66	4.44	---
MAX	5.02	3.93	13.04	16.33	14.53	12.20	7.19	15.53	17.01	16.19	8.00	4.75
MIN	3.02	3.21	3.45	4.82	5.73	5.08	4.10	4.11	4.39	5.30	4.34	3.99

RED RIVER BASIN

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, near center of span on downstream side of bridge on State Highway 8, 0.2 mi east 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, 1986 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (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										
05...	0900	944	8.02	22.5	10	6.4	8.7	39	3.8	K110
NOV										
02...	0800	1260	7.61	18.0	30	26	9.6	26	2.8	350
JAN										
25...	0800	203	6.85	10.5	80	65	10.2	23	3.0	2500
FEB										
14...	0800	353	6.95	12.0	60	75	11.6	20	3.2	480
MAR										
08...	0800	208	7.23	9.0	60	34	10.6	29	2.1	1600
APR										
26...	1215	382	7.70	23.0	80	50	7.5	53	0.5	700
MAY										
11...	0830	299	7.60	21.5	80	60	6.7	34	--	K220
25...	1050	187	7.54	26.0	100	150	6.4	40	2.5	1600
JUN										
14...	0750	240	7.41	26.0	80	120	6.4	45	1.7	K900
JUL										
25...	1245	357	7.22	28.0	60	70	5.5	34	1.0	120
AUG										
30...	0815	537	7.69	30.0	40	32	7.5	51	1.7	K100
SEP										
21...	0800	470	7.68	24.0	40	32	8.3	18	2.1	110

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS, TOTAL (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, WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT										
05...	110	K1100	330	81	30	95	4.8	299	88	110
NOV										
02...	K40	84	310	76	30	140	5.2	168	170	190
JAN										
25...	120	580	53	15	3.7	17	2.7	40	24	23
FEB										
14...	K42	960	91	26	6.4	32	2.6	49	44	46
MAR										
08...	160	380	55	16	3.6	15	2.2	40	22	20
APR										
26...	K30	K56	100	29	7.8	34	2.9	68	44	46
MAY										
11...	62	100	90	24	7.4	25	2.5	56	34	35
25...	80	310	66	20	3.9	10	2.9	63	14	11
JUN										
14...	110	120	77	23	4.7	14	2.7	64	21	19
JUL										
25...	K30	110	96	27	6.9	29	3.2	64	39	43
AUG										
30...	K20	46	160	45	12	46	3.9	114	56	66
SEP										
21...	K44	60	140	39	11	39	3.1	117	46	50

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL 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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	577	20	<0.01	<0.02	0.94	--	0.15	0.06	7.4
NOV 02...	733	47	0.01	0.09	1.1	1.2	0.16	0.07	5.9
JAN 25...	124	116	0.03	0.12	0.75	0.87	0.18	0.10	12
FEB 14...	212	219	0.02	0.14	0.85	0.99	0.20	0.08	9.7
MAR 08...	128	101	0.02	0.15	0.66	0.81	0.16	0.07	9.5
APR 26...	210	112	0.02	0.05	0.40	0.45	0.22	0.10	11
MAY 11...	176	158	0.02	0.09	<0.20	--	0.12	0.08	9.2
25...	115	321	0.05	0.19	1.1	1.3	0.34	0.13	13
JUN 14...	142	180	0.04	0.20	0.95	1.2	0.26	0.12	11
JUL 25...	214	163	0.02	0.13	0.91	1.0	0.23	0.08	8.9
AUG 30...	321	112	0.02	<0.02	0.73	--	0.14	0.10	8.3
SEP 21...	276	39	0.01	0.03	0.69	0.72	0.10	0.04	7.3

DATE	ARSENIC TOTAL (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)
OCT 05...	3	<10	<1	<10	4	490	<5	230
FEB 14...	2	<10	<1	10	8	4800	9	180
MAY 11...	3	<10	<1	<10	8	4100	<5	190
JUL 25...	4	<10	<1	<10	4	3400	3	230

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
OCT 05...	<0.1	<1	<1	10	<0.01	<1	1
FEB 14...	<0.1	7	<1	30	<0.01	2	2
MAY 11...	0.1	8	<1	20	--	2	2
JUL 25...	<0.1	7	<1	10	<0.01	7	3

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA

LOCATION.--Lat 31°18'46", long 92°26'34", in SE 1/4 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.

REMARKS.--Discharge data will be entered into the water-quality file when made available by the Army Corps of Engineers. Water-quality samples are non-integrated on all dates except Oct. 8, Feb. 13, Apr. 26, and July 29.

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, TOTAL IMMED. (COLS. PER 100 ML)
OCT 08...	0830	948	7.87	24.0	10	5.4	6.6	1.4	73	390
NOV 01...	1540	1130	7.72	20.0	20	17	8.3	1.6	26	K110
JAN 24...	1600	201	7.00	11.5	100	70	10.1	3.2	26	2600
FEB 13...	1515	262	6.96	11.5	60	130	12.0	4.0	27	2200
MAR 07...	1245	196	7.16	9.5	50	38	10.3	2.1	39	2000
APR 26...	1030	393	7.55	25.5	80	60	8.0	2.8	17	280
MAY 10...	1510	280	7.70	22.0	60	70	6.8	--	42	K220
JUN 25...	0945	192	7.69	26.5	100	140	4.9	1.9	49	1400
JUN 13...	1400	212	7.62	26.5	100	300	5.8	1.7	40	K500
JUL 29...	1015	335	7.44	28.0	100	88	5.5	1.3	37	220
AUG 29...	1530	472	7.52	31.0	30	27	7.3	2.4	26	K1200
SEP 20...	1530	444	7.59	26.5	30	32	6.4	0.2	18	480

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 08...	K4	K70	300	78	26	83	3.7	249	84	110
NOV 01...	K32	K40	280	69	27	120	5.2	154	150	160
JAN 24...	180	650	53	15	3.7	17	2.6	37	21	22
FEB 13...	K78	160	72	21	4.7	24	2.3	47	33	31
MAR 07...	250	620	54	16	3.5	14	2.2	45	20	18
APR 26...	K80	K56	110	30	8.0	35	2.8	72	46	47
MAY 10...	K8	44	80	20	7.2	22	3.4	54	31	32
JUN 25...	K52	390	71	22	3.9	10	2.9	65	14	13
JUN 13...	80	120	71	21	4.4	12	2.5	70	9.4	14
JUL 29...	K20	240	90	26	6.1	29	2.8	60	33	40
AUG 29...	K200	K200	130	39	9.0	38	3.5	118	30	54
SEP 20...	K80	64	140	36	11	34	3.0	107	38	43

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

RED RIVER BASIN

93

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

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)	RESIDUE TOTAL 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)
OCT 08...	0.2	11	547	541	--	--	<0.01	--	<0.10
NOV 01...	--	6.2	650	630	34	0.01	--	0.14	--
JAN 24...	--	--	121	103	156	--	--	--	--
FEB 13...	0.1	7.2	163	149	--	0.02	0.02	0.19	0.19
MAR 07...	--	--	120	101	163	0.02	--	0.15	--
APR 26...	0.2	4.8	228	212	--	0.02	<0.01	<0.10	<0.10
MAY 10...	--	--	170	148	197	0.03	--	0.13	--
25...	--	--	115	105	430	0.05	--	0.20	--
JUN 13...	--	--	121	105	358	0.04	--	0.22	--
JUL 29...	0.1	7.1	193	180	--	0.01	0.01	0.10	0.10
AUG 29...	--	--	270	244	75	0.02	--	<0.02	--
SEP 20...	--	--	247	229	40	0.01	--	0.03	--

DATE	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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 08...	0.05	0.07	0.4	0.08	0.06	--	0.03	6.7
NOV 01...	--	--	1.0	0.16	--	0.09	--	7.6
JAN 24...	--	--	--	--	--	--	--	11
FEB 13...	0.08	0.03	1.2	0.22	0.02	0.05	0.02	8.5
MAR 07...	--	--	0.78	0.19	--	0.08	--	11
APR 26...	0.03	0.03	1.0	0.11	0.03	0.06	0.02	10
MAY 10...	--	--	<0.20	0.22	--	0.08	--	9.7
25...	--	--	1.0	0.40	--	0.14	--	15
JUN 13...	--	--	0.86	0.35	--	0.12	--	10
JUL 29...	0.06	<0.01	0.6	0.13	0.03	0.05	0.02	9.9
AUG 29...	--	--	0.62	0.12	--	0.08	--	7.0
SEP 20...	--	--	0.79	0.09	--	0.04	--	7.3

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)
OCT 08...	<10	--	3	170	--	<0.5	--	<1	<1	--	<3	--
FEB 13...	30	4	<1	57	<10	<0.5	<1	<1	<1	10	<3	7
APR 26...	30	2	1	79	<10	<0.5	1	<1	<1	<10	<3	7
JUL 29...	30	2	2	67	<10	<0.5	<1	<1	<1	4	<3	8

DATE	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)
OCT 08...	1	--	5	--	<5	14	--	<1	<0.1	--	<10	--
FEB 13...	3	5300	99	8	<5	<4	200	7	<0.1	<0.1	<10	7
APR 26...	10	2600	190	<5	1	7	140	3	<0.1	<0.1	<10	7
JUL 29...	2	3900	110	8	<1	5	260	2	<0.1	<0.1	<10	8

DATE	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
OCT 08...	1	--	<1	<1	710	<6	--	14	<0.01	<1	1
FEB 13...	4	<1	<1	10	170	<6	30	3	<0.01	1	1
APR 26...	3	<1	<1	<1	270	<6	20	9	<0.01	9	2
JUL 29...	2	<1	<1	<1	220	<6	30	<3	<0.01	4	2

DATE	PCB, TOTAL (µG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)	CHLOR- DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI- AZINON, TOTAL (µG/L)	DI- ELDRIN, TOTAL (µG/L)	ENDO- SULFAN, TOTAL (µG/L)
OCT 08...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 24...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 07...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 26...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 13...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 29...	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

RED RIVER BASIN

95

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA- THION, TOTAL (µG/L)	METH- OXY- CHLOR, TOTAL (µG/L)	METHYL PARA- THION, TOTAL (µG/L)	METHYL TRI- THION, TOTAL (µG/L)
OCT 08...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 24...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
MAR 07...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	MIREX, TOTAL (µG/L)	PARA- THION, TOTAL (µG/L)	PER- THANE TOTAL (µG/L)	TOX- APHENE, TOTAL (µG/L)	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)
OCT 08...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
JAN 24...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
MAR 07...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
APR 26...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
JUN 13...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
AUG 29...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1

DATE	SEDI- MENT, SUS- PENDE (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 08...	33	72
MAR 10...	739	60
APR 26...	91	97
JUL 29...	268	75

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

RED RIVER BASIN

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, 1984, 1986 to current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 04...	1600	663	7.31	25.5	10	4.0	6.6	68	1.6	470
NOV 01...	1415	1220	7.50	20.0	15	10	7.8	25	1.4	350
JAN 24...	1500	194	6.65	12.0	80	55	10.4	22	3.1	1200
FEB 13...	1400	216	6.81	9.0	60	85	12.3	22	4.0	2200
MAR 07...	1100	201	7.04	9.5	40	40	10.8	23	2.5	2200
APR 25...	1730	526	7.53	23.0	80	55	8.8	48	2.1	240
MAY 10...	1400	280	7.50	22.0	30	80	6.8	33	--	K260
24...	1535	209	7.71	25.5	100	75	5.3	51	1.4	920
JUN 13...	1230	229	7.55	26.5	100	160	6.7	40	2.1	K300
JUL 25...	1110	317	7.40	27.5	80	80	5.2	37	0.9	120
AUG 29...	1415	486	7.55	31.0	30	17	8.0	14	2.2	K100
SEP 20...	1430	526	7.60	26.0	30	41	7.0	19	0.2	K140

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 04...	K8	140	200	48	19	60	3.7	151	61	72
NOV 01...	K60	K40	320	79	29	130	5.5	200	160	170
JAN 24...	320	500	50	14	3.6	16	2.6	35	22	21
FEB 13...	80	120	64	19	4.0	17	2.1	46	25	22
MAR 07...	260	820	54	16	3.5	14	2.3	45	20	18
APR 25...	K30	K30	140	36	11	47	3.2	84	57	76
MAY 10...	K12	100	82	21	7.2	22	2.5	57	29	33
24...	92	360	73	22	4.3	10	2.7	69	14	13
JUN 13...	K56	84	75	22	4.8	13	2.5	70	13	15
JUL 25...	K30	110	91	26	6.4	24	3.0	63	33	36
AUG 29...	K24	88	140	40	9.5	40	3.9	114	44	57
SEP 20...	K20	K32	140	38	11	42	3.2	111	46	58

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

RED RIVER BASIN

97

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL 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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	371	20	0.02	0.27	0.57	0.84	0.14	0.10	6.1
NOV 01...	720	25	0.02	0.09	0.78	0.87	0.16	0.10	7.0
JAN 24...	111	103	0.03	0.14	0.72	0.86	0.22	0.10	11
FEB 13...	136	239	0.03	0.16	1.0	1.2	0.27	0.10	10
MAR 07...	123	160	0.03	0.16	1.1	1.3	0.20	0.09	12
APR 25...	302	103	0.02	0.07	0.46	0.53	0.15	0.11	9.8
MAY 10...	164	237	0.03	0.20	<0.20	--	0.18	0.08	10
24...	130	556	0.07	0.25	1.0	1.2	0.62	0.16	16
JUN 13...	143	148	0.05	0.24	0.85	1.1	0.30	0.12	9.7
JUL 25...	184	206	0.03	0.16	0.89	1.0	0.24	0.10	11
AUG 29...	284	45	0.01	<0.02	0.57	--	0.10	0.07	8.3
SEP 20...	301	44	0.01	0.04	0.75	0.79	0.10	0.06	7.3

DATE	ARSENIC TOTAL (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)
OCT 04...	3	<10	<1	<10	4	440	<5	100
FEB 13...	3	<10	<1	10	9	6600	10	210
MAY 10...	5	<10	<1	<10	9	6100	<5	280
JUL 25...	5	<10	<1	<10	6	4600	4	290

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 04...	<0.1	<1	<1	10	<0.01	<1	1
FEB 13...	<0.1	10	<1	30	<0.01	1	1
MAY 10...	0.1	10	<1	20	--	1	2
JUL 25...	<0.1	6	<1	10	<0.01	<1	2

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

RED RIVER BASIN

07355603 RED RIVER (ABOVE LOCK AND DAM 1) NEAR VICK, LA

LOCATION.--Lat 31°15'01", long 91°56'17", in SW 1/4 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.--Water years 1984, 1986 to current year.

REMARKS.--Water-quality samples are non-integrated and collected from upstream side of lock.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (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 04...	1445	729	7.50	26.5	10	1.3	5.6	<10	1.3	60
NOV 01...	1345	991	7.73	20.5	20	5.0	7.2	27	0.9	K50
JAN 24...	1400	196	6.89	12.0	100	65	10.3	26	3.0	1400
FEB 13...	1240	201	6.92	10.0	80	85	11.7	21	3.7	2200
MAR 07...	1000	200	7.03	9.5	50	50	10.4	44	2.2	1400
APR 25...	1645	491	7.52	23.5	60	50	8.2	53	1.0	K200
MAY 10...	1300	286	7.58	22.0	60	110	7.1	43	--	K350
24...	1430	213	7.76	25.5	100	65	5.6	51	2.6	1300
JUN 13...	1145	245	7.60	26.5	80	130	5.9	39	1.8	K450
JUL 25...	1015	324	7.38	27.5	60	90	5.2	38	0.8	K350
AUG 29...	1300	482	7.53	31.0	30	9.0	8.2	21	2.0	K110
SEP 20...	1330	566	7.05	26.0	30	20	--	32	--	K20

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (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, WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 04...	<2	K4	230	54	--	70	3.8	163	71	84
NOV 01...	K2	K10	300	76	26	100	5.0	271	90	110
JAN 24...	170	230	53	15	3.8	16	2.6	37	23	21
FEB 13...	84	140	60	18	3.7	15	2.1	44	23	20
MAR 07...	210	620	54	16	3.5	14	2.0	46	20	18
APR 25...	K4	290	130	35	10	44	3.2	--	60	68
MAY 10...	K16	260	91	24	7.5	24	2.6	59	31	35
24...	100	410	74	22	4.6	11	2.6	69	16	14
JUN 13...	44	100	75	22	4.8	15	2.5	72	19	18
JUL 25...	K24	84	92	26	6.6	26	3.1	68	32	37
AUG 29...	<2	K20	140	40	10	40	3.8	110	47	58
SEP 20...	<2	K32	160	43	13	47	3.7	127	62	66

< 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).

RED RIVER BASIN

99

07355603 RED RIVER (ABOVE LOCK AND DAM 1) NEAR VICK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	RESIDUE TOTAL 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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	413	6	0.09	0.27	0.51	0.78	0.12	0.10	5.9
NOV 01...	564	15	0.04	0.03	0.70	0.73	0.16	0.11	6.7
JAN 24...	119	99	0.03	0.15	0.75	0.90	0.14	0.10	11
FEB 13...	131	249	0.03	0.16	0.98	1.1	0.27	0.10	9.3
MAR 07...	127	193	0.02	0.16	0.79	0.95	0.19	0.09	11
APR 25...	289	107	0.02	0.08	0.44	0.52	0.15	0.11	11
MAY 10...	177	197	0.04	0.23	<0.20	--	0.16	0.10	10
24...	128	637	0.08	0.26	1.4	1.7	0.58	0.17	16
JUN 13...	134	147	0.05	0.25	0.86	1.1	0.25	0.11	9.5
JUL 25...	194	241	0.03	0.17	0.85	1.0	0.25	0.09	9.6
AUG 29...	279	29	0.01	<0.02	<0.20	--	0.10	0.06	7.2
SEP 20...	324	34	0.01	0.03	0.76	0.79	0.09	0.05	7.2

DATE	ARSENIC TOTAL (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	IRON, TOTAL RECOV- ERABLE (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (µG/L AS MN)
OCT 04...	3	<10	<1	<10	4	180	<5	50
FEB 13...	4	<10	1	10	9	6500	9	220
MAY 10...	4	<10	1	<10	9	5400	<5	250
JUL 25...	5	<10	<1	<10	6	4800	4	300

DATE	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 04...	<0.1	<1	<1	10	<0.01	<1	1
FEB 13...	<0.1	9	<1	40	<0.01	2	1
MAY 10...	0.1	10	<1	20	--	3	1
JUL 25...	<0.1	6	<1	10	<0.01	4	4

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

RED RIVER BASIN

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, December 1978 to April 1986, and June 1987 to current year (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; June 17, 1987 water-stage recorder, at site 1,000 ft east at same datum.

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.

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, 47.16 ft, July 11; minimum, 36.64 ft, Sept. 27, 28, 29, 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.35	37.35	37.11	38.36	39.10	43.50	42.81	38.61	42.47	41.33	38.93	37.11
2	37.47	37.33	37.08	38.41	38.94	43.85	43.05	38.46	42.02	42.25	38.77	37.10
3	37.50	37.31	37.07	38.43	38.84	44.19	43.36	38.32	41.54	43.28	38.60	37.08
4	37.46	37.30	37.06	38.39	38.71	44.47	43.57	38.23	41.04	44.31	38.46	37.05
5	37.42	37.31	37.04	38.32	38.60	44.70	43.71	38.17	40.54	45.20	38.33	37.02
6	37.38	37.27	37.02	38.26	38.52	44.86	43.75	38.08	40.15	45.93	38.22	37.01
7	37.35	37.22	37.01	38.18	38.43	45.02	43.75	37.98	39.80	46.47	38.12	36.99
8	37.32	37.22	37.02	38.17	38.33	45.18	43.72	37.89	39.79	46.76	38.04	36.97
9	37.30	37.20	37.03	38.25	38.25	45.32	43.65	37.82	39.65	46.99	37.93	36.96
10	37.30	37.20	37.04	38.34	38.17	45.43	43.53	37.77	39.53	47.11	37.84	36.96
11	37.28	37.17	37.21	38.44	38.10	45.47	43.36	37.69	39.56	47.12	37.77	36.95
12	37.26	37.16	37.28	38.77	38.04	45.43	43.16	37.63	39.61	46.99	37.71	36.94
13	37.22	37.24	37.29	39.11	37.97	45.35	42.96	37.57	39.58	46.71	37.65	36.92
14	37.20	37.24	37.29	39.32	37.93	45.23	42.67	37.56	39.51	46.42	37.60	36.92
15	37.18	37.21	37.35	39.31	37.89	45.11	42.35	37.53	39.61	46.04	37.55	36.89
16	37.17	37.25	37.35	39.20	37.86	44.97	41.99	37.65	39.55	45.65	37.50	36.86
17	37.15	37.22	37.32	39.07	37.81	44.80	41.63	38.20	39.44	45.24	37.48	36.84
18	37.14	37.18	37.30	39.08	37.78	44.64	41.32	38.90	39.32	44.81	37.45	36.82
19	37.13	37.19	37.27	39.30	37.73	44.47	41.06	40.27	39.21	44.38	37.42	36.81
20	37.11	37.24	37.28	39.50	37.74	44.30	40.79	40.87	39.12	43.92	37.38	36.79
21	37.11	37.22	37.30	39.70	38.36	44.17	40.54	41.12	39.02	43.46	37.35	36.78
22	37.09	37.19	37.30	39.86	39.01	44.02	40.29	41.54	38.92	43.02	37.32	36.77
23	37.08	37.17	37.49	39.98	39.61	43.81	40.06	42.17	38.81	42.57	37.30	36.78
24	37.13	37.15	37.65	40.09	40.35	43.59	39.86	42.82	38.71	42.11	37.27	36.74
25	37.10	37.13	37.69	40.16	41.30	43.32	39.62	43.21	38.60	41.58	37.26	36.71
26	37.21	37.12	37.68	40.14	42.17	43.03	39.38	43.42	38.51	41.04	37.24	36.70
27	37.32	37.17	37.65	40.03	42.76	42.84	39.16	43.50	38.51	40.52	37.22	36.68
28	37.35	37.15	37.87	39.84	43.21	42.62	39.00	43.50	38.73	40.07	37.20	36.66
29	37.36	37.13	37.94	39.64	---	42.60	38.88	43.39	39.35	39.71	37.18	36.66
30	37.36	37.13	38.02	39.46	---	42.68	38.74	43.19	40.37	39.41	37.16	36.67
31	37.37	---	38.20	39.27	---	42.75	---	42.88	---	39.15	37.13	---
MAX	37.50	37.35	38.20	40.16	43.21	45.47	43.75	43.50	42.47	47.12	38.93	37.11
MIN	37.08	37.12	37.01	38.17	37.73	42.60	38.74	37.53	38.51	39.15	37.13	36.66

RED RIVER BASIN

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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.

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: (no gage-height record at base gage, Dec. 11-Jan. 2). 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.--32 years, 1,317 ft³/s, 954,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,990 ft³/s, July 18, 1989; 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, 6,990 ft³/s, July 18, gage height, 27.30 ft; maximum gage height, 27.33 ft, July 19; minimum discharge, 4.1 ft³/s, Oct. 18, gage height, 0.58 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	81	791	e2000	5160	5940	3080	1200	1810	3440	6010	521
2	70	76	862	e2150	5070	6000	2950	1010	1730	4210	5920	433
3	108	77	937	2370	5050	6060	2860	816	1690	4700	5810	375
4	132	81	981	2620	5000	6080	2830	666	1630	5200	5760	334
5	117	85	1020	2780	4920	6210	2790	670	1590	5620	5690	310
6	97	82	1030	2890	4820	6270	2760	852	1560	5920	5630	294
7	80	72	1060	2970	4670	6250	2740	1100	1510	6210	5590	290
8	70	69	1080	3030	4510	6220	2760	1380	1550	6430	5480	290
9	63	65	1110	2970	4350	6150	2820	1680	1540	6570	5380	286
10	59	60	1130	2920	4180	6100	2900	1980	1510	6640	5240	285
11	55	57	e1140	2850	4020	6050	2920	2230	1470	6700	5090	270
12	52	55	e1120	2830	3860	6010	2940	2390	1410	6710	4920	244
13	50	58	e1100	2920	3680	5990	2970	2490	1350	6770	4740	223
14	48	63	e1080	3000	3510	5950	2990	2500	1310	6750	4530	222
15	45	86	e1060	3190	3380	5870	2990	2460	1300	6800	4280	213
16	44	143	e1020	3470	3350	5790	2960	2410	1320	6830	4030	208
17	42	187	e980	3850	3480	5710	2910	2320	1410	6810	3810	206
18	41	198	e940	4240	3670	5590	2860	2300	1580	6800	3550	208
19	45	187	e880	4590	3880	5500	2780	2280	1790	6770	3270	210
20	51	183	e850	4890	4080	5340	2700	2230	2030	6750	3010	210
21	78	176	e830	5090	4440	5230	2590	2200	2240	6710	2760	210
22	130	177	e810	5240	4680	5030	2480	2210	2410	6680	2540	210
23	161	198	e810	5330	4920	4810	2370	2250	2540	6640	2330	214
24	191	219	e840	5400	5180	4620	2240	2290	2620	6560	2120	219
25	198	233	e850	5400	5440	4400	2110	2300	2670	6500	1910	228
26	192	305	e900	5400	5590	4190	1980	2280	2690	6450	1700	241
27	169	442	e1040	5380	5760	3970	1840	2230	2710	6390	1500	252
28	144	495	e1260	5310	5860	3740	1680	2160	2700	6310	1280	259
29	122	583	e1500	5280	---	3540	1540	2080	2740	6210	1060	263
30	102	691	e1750	5310	---	3360	1370	1990	2870	6140	840	263
31	89	---	e1910	5240	---	3220	---	1900	---	6060	658	---
TOTAL	2914	5484	32671	120910	126510	165190	77710	58854	57280	193280	116438	7991
MEAN	94.0	183	1054	3900	4518	5329	2590	1899	1909	6235	3756	266
MAX	198	691	1910	5400	5860	6270	3080	2500	2870	6830	6010	521
MIN	41	55	791	2000	3350	3220	1370	666	1300	3440	658	206
AC-FT	5780	10880	64800	239800	250900	327700	154100	116700	113600	383400	231000	15850

CAL YR 1988 TOTAL 428912.9 MEAN 1172 MAX 4980 MIN 7.9 AC-FT 850700
WTR YR 1989 TOTAL 965232 MEAN 2644 MAX 6830 MIN 41 AC-FT 1915000

e Estimated.

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.19	1.43	7.82	---	24.24	25.18	19.73	10.76	13.75	19.44	26.12	6.77
2	1.21	1.34	8.27	---	24.13	25.29	19.40	9.62	13.34	21.92	26.02	5.95
3	1.91	1.34	8.60	16.36	24.03	25.40	19.12	8.41	13.06	23.30	25.84	5.33
4	2.33	1.43	8.85	17.17	23.89	25.49	18.93	7.52	12.78	24.60	25.68	4.84
5	2.08	1.51	9.04	17.78	23.74	25.62	18.74	8.09	12.61	25.35	25.51	4.48
6	1.72	1.44	9.37	18.18	23.52	25.69	18.53	9.07	12.47	25.77	25.33	4.26
7	1.41	1.25	9.44	18.40	23.25	25.74	18.37	10.17	12.28	26.10	25.15	4.14
8	1.21	1.18	9.47	18.57	22.94	25.78	18.31	11.65	12.44	26.36	24.95	4.10
9	1.08	1.10	9.54	18.47	22.58	25.80	18.36	13.14	12.47	26.54	24.72	4.01
10	.98	1.01	9.62	18.27	22.19	25.82	18.46	14.35	12.38	26.65	24.45	3.91
11	.90	.95	---	18.01	21.79	25.83	18.55	15.27	12.23	26.73	24.15	3.74
12	.84	.89	---	18.15	21.37	25.83	18.61	15.88	11.99	26.80	23.79	3.48
13	.79	.97	---	18.69	20.96	25.81	18.62	16.26	11.66	26.86	23.38	3.26
14	.74	1.07	---	18.99	20.53	25.75	18.58	16.40	11.44	26.92	22.91	3.24
15	.69	1.51	---	19.46	20.17	25.69	18.49	16.36	11.38	27.00	22.37	3.16
16	.64	2.50	---	20.17	19.96	25.61	18.35	16.18	11.34	27.15	21.79	3.10
17	.61	3.13	---	21.10	20.08	25.48	18.18	15.94	11.66	27.23	21.23	3.08
18	.59	3.26	---	21.96	20.55	25.33	17.99	15.98	12.36	27.30	20.68	3.10
19	.69	3.13	---	22.66	21.16	25.14	17.73	16.13	13.26	27.32	19.95	3.12
20	.82	3.10	---	23.20	21.76	24.90	17.43	15.97	14.22	27.32	19.21	3.12
21	1.36	3.00	---	23.58	22.59	24.71	17.08	15.86	15.08	27.30	18.45	3.12
22	2.29	3.02	---	23.82	23.06	24.44	16.68	15.88	15.75	27.26	17.64	3.12
23	2.79	3.26	---	23.96	23.56	24.07	16.24	15.99	16.24	27.20	16.82	3.17
24	3.18	3.50	---	24.10	24.07	23.67	15.75	16.10	16.57	27.12	15.97	3.22
25	3.26	3.64	---	24.18	24.44	23.23	15.23	16.10	16.78	27.02	15.08	3.31
26	3.19	4.33	---	24.20	24.69	22.73	14.66	15.96	16.89	26.94	14.12	3.45
27	2.91	5.55	---	24.22	24.90	22.18	14.03	15.72	16.94	26.84	13.04	3.56
28	2.52	5.92	---	24.18	25.07	21.57	13.33	15.39	16.94	26.72	11.84	3.63
29	2.16	6.53	---	24.17	---	21.08	12.64	15.01	17.11	26.57	10.50	3.68
30	1.81	7.21	---	24.36	---	20.65	11.77	14.60	17.62	26.41	9.13	3.67
31	1.58	---	---	24.32	---	20.17	---	14.18	---	26.25	7.85	---
MAX	3.26	7.21	---	---	25.07	25.83	19.73	16.40	17.62	27.32	26.12	6.77
MIN	.59	.89	---	---	19.96	20.17	11.77	7.52	11.34	19.44	7.85	3.08

RED RIVER BASIN

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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).

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, 11.60 ft, July 1; minimum, 7.79 ft, Nov. 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.99	7.90	8.20	8.83	9.92	9.86	9.90	9.32	9.48	11.28	9.35	8.98
2	8.01	7.89	8.19	8.85	9.87	9.85	9.84	9.29	9.47	11.51	9.34	8.96
3	7.99	7.89	8.18	8.89	9.89	9.83	9.80	9.26	9.47	11.24	9.34	8.94
4	7.97	7.90	8.18	8.90	9.85	9.82	9.76	9.56	9.48	10.96	9.33	8.92
5	7.94	7.92	8.18	8.91	9.82	9.93	9.73	10.84	9.62	10.70	9.31	8.90
6	7.92	7.87	8.17	8.93	9.77	10.03	9.67	11.16	9.68	10.64	9.29	8.88
7	7.90	7.83	8.17	8.96	9.73	10.01	9.62	10.86	9.67	10.70	9.27	8.88
8	7.89	7.84	8.20	8.99	9.69	9.96	9.59	10.56	9.82	10.52	9.24	8.87
9	7.90	7.83	8.21	9.01	9.66	9.91	9.55	10.43	9.85	10.34	9.21	8.86
10	7.90	7.83	8.21	9.02	9.63	9.86	9.53	10.30	9.81	10.17	9.19	8.89
11	7.89	7.81	8.23	9.05	9.60	9.81	9.50	10.16	9.76	10.04	9.18	8.90
12	7.88	7.84	8.23	9.37	9.71	9.77	9.47	10.03	9.71	9.94	9.17	8.88
13	7.86	7.91	8.23	9.73	9.95	9.73	9.45	9.97	9.68	9.97	9.15	8.88
14	7.85	7.91	8.23	9.98	10.09	9.70	9.47	9.99	9.77	10.10	9.14	8.92
15	7.83	7.91	8.23	10.06	10.19	9.68	9.48	9.94	9.82	10.06	9.13	8.89
16	7.82	7.97	8.23	10.05	10.29	9.66	9.47	9.93	9.78	9.98	9.12	8.87
17	7.81	7.93	8.23	9.97	10.31	9.63	9.46	10.05	9.72	9.91	9.11	8.85
18	7.81	7.92	8.22	9.90	10.31	9.60	9.45	10.37	9.67	9.87	9.10	8.83
19	7.83	7.95	8.21	9.83	10.28	9.57	9.46	10.43	9.63	9.81	9.09	8.82
20	7.83	8.00	8.21	9.77	10.33	9.56	9.44	10.34	9.59	9.75	9.09	8.81
21	7.83	7.96	8.29	9.71	10.56	9.65	9.42	10.21	9.54	9.69	9.07	8.79
22	7.83	7.95	8.34	9.67	10.46	9.75	9.41	10.09	9.49	9.63	9.06	8.79
23	7.82	7.95	8.37	9.63	10.29	9.77	9.39	10.02	9.46	9.58	9.06	8.77
24	7.82	7.94	8.41	9.60	10.16	9.74	9.37	9.93	9.43	9.55	9.05	8.73
25	7.80	7.92	8.40	9.58	10.06	9.72	9.36	9.84	9.42	9.52	9.05	8.71
26	7.82	8.09	8.40	9.57	9.98	9.70	9.35	9.77	9.45	9.50	9.04	8.69
27	7.82	8.21	8.44	9.57	9.93	9.81	9.34	9.71	9.60	9.49	9.03	8.68
28	7.84	8.21	8.58	9.55	9.90	9.84	9.32	9.65	9.99	9.46	9.02	8.66
29	7.84	8.20	8.60	9.60	---	9.92	9.30	9.60	10.27	9.44	9.01	8.68
30	7.85	8.20	8.66	9.83	---	10.01	9.32	9.56	10.62	9.42	9.00	8.68
31	7.91	---	8.77	9.93	---	9.98	---	9.52	---	9.39	8.99	---
MAX	8.01	8.21	8.77	10.06	10.56	10.03	9.90	11.16	10.62	11.51	9.35	8.98
MIN	7.80	7.81	8.17	8.83	9.60	9.56	9.30	9.26	9.42	9.39	8.99	8.66

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. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--34 years, 194 ft³/s, 12.67 in/yr, 140,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft³/s, June 9, 1974, gage height, 17.54 ft, from floodmark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, and 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)
Jan. 15	0600	3,080	8.76	May 20	1200	2,020	8.02
Feb. 1	0700	1,610	7.73	June 10	1400	2,000	8.00
Feb. 21	1300	2,000	8.00	July 2	1900	*4,870	*9.79
Apr. 1	1100	1,210	7.37	July 18	0100	2,110	8.09
May 5	2400	2,040	8.03				

Minimum discharge, 2.8 ft³/s, Oct. 18, gage height, 2.10 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	55	714	602	1540	335	949	199	40	3120	48	30
2	37	49	497	644	1150	373	608	202	35	4720	45	26
3	34	43	268	548	851	443	439	286	32	3900	51	20
4	24	33	109	470	718	529	279	1310	39	2330	63	16
5	15	23	70	408	529	582	213	1940	82	1480	55	14
6	9.5	16	55	301	429	686	212	1850	201	1230	51	13
7	6.2	12	49	187	403	705	212	1170	368	1840	40	13
8	4.8	13	50	147	383	698	162	739	1630	1610	35	12
9	4.6	14	85	161	316	654	112	529	1410	1160	30	11
10	6.8	22	118	206	221	569	93	304	1790	711	26	10
11	6.9	42	137	229	169	439	85	134	1310	477	22	15
12	6.3	49	129	428	168	293	80	181	742	265	21	30
13	5.0	101	113	1380	310	198	83	301	485	139	17	28
14	5.2	139	98	2530	499	155	102	323	335	192	16	24
15	10	158	84	2950	737	133	108	408	571	246	15	24
16	5.6	164	74	2230	1310	116	106	708	637	437	14	25
17	3.5	146	62	1470	1620	103	98	e1000	482	1250	22	21
18	3.6	102	54	993	1300	96	89	e1300	495	1850	32	17
19	24	78	49	692	1030	92	84	1790	491	1110	40	15
20	50	71	47	519	1070	94	78	1880	300	743	50	14
21	63	59	89	384	1820	465	70	e1000	103	533	34	13
22	66	65	199	253	1470	787	61	e700	61	387	24	11
23	57	73	294	167	1080	570	54	e500	47	209	18	10
24	45	68	735	133	802	441	47	e350	39	99	17	12
25	33	56	896	148	633	355	43	e250	33	75	17	9.9
26	22	69	639	179	494	262	40	e180	29	69	21	9.2
27	21	143	480	240	370	417	39	e120	56	85	20	9.1
28	36	213	391	264	309	524	48	e85	405	84	19	9.7
29	45	306	367	256	---	582	79	e60	827	75	16	11
30	49	682	409	488	---	1030	161	e52	1750	67	27	15
31	51	---	470	1070	---	992	---	49	---	55	36	---
TOTAL	785.0	3064	7831	20677	21731	13718	4834	19900	14825	30548	942	487.9
MEAN	25.3	102	253	667	776	443	161	642	494	985	30.4	16.3
MAX	66	682	896	2950	1820	1030	949	1940	1790	4720	63	30
MIN	3.5	12	47	133	168	92	39	49	29	55	14	9.1
AC-FT	1560	6080	15530	41010	43100	27210	9590	39470	29410	60590	1870	968
CFSM	.12	.49	1.21	3.21	3.73	2.13	.77	3.09	2.38	4.74	.15	.08
IN.	.14	.55	1.40	3.70	3.89	2.45	.86	3.56	2.65	5.46	.17	.09

CAL YR 1988	TOTAL 49148.87	MEAN 134	MAX 1510	MIN .26	AC-FT 97490	CFSM .65	IN. 8.79
WTR YR 1989	TOTAL 139342.9	MEAN 382	MAX 4720	MIN 3.5	AC-FT 276400	CFSM 1.84	IN. 24.92

e Estimated.

RED RIVER BASIN

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07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	3.94	6.75	6.52	7.68	5.71	7.04	5.14	3.47	8.75	3.64	3.24
2	3.51	3.82	6.27	6.61	7.33	5.83	6.46	5.15	3.35	9.71	3.59	3.12
3	3.43	3.68	5.50	6.40	6.99	6.04	6.03	5.48	3.30	9.25	3.69	2.95
4	3.15	3.40	4.57	6.20	6.76	6.27	5.50	7.36	3.45	8.25	3.91	2.82
5	2.83	3.10	4.10	6.02	6.35	6.40	5.21	7.96	4.14	7.63	3.78	2.74
6	2.57	2.84	3.85	5.66	6.09	6.64	5.21	7.90	5.14	7.41	3.71	2.68
7	2.40	2.67	3.73	5.14	6.01	6.68	5.20	7.34	5.84	7.90	3.47	2.69
8	2.30	2.74	3.75	4.90	5.95	6.66	4.92	6.80	7.73	7.73	3.35	2.65
9	2.28	2.78	4.31	5.00	5.72	6.56	4.54	6.34	7.57	7.34	3.24	2.59
10	2.43	3.04	4.67	5.25	5.32	6.37	4.33	5.61	7.86	6.74	3.13	2.58
11	2.44	3.65	4.83	5.36	5.05	6.03	4.24	4.71	7.47	6.20	3.03	2.77
12	2.41	3.78	4.77	6.05	5.04	5.55	4.18	5.01	6.80	5.45	2.97	3.22
13	2.31	4.62	4.63	7.48	5.69	5.13	4.21	5.63	6.22	4.76	2.87	3.19
14	2.33	4.99	4.47	8.40	6.27	4.88	4.45	5.71	5.75	5.10	2.83	3.08
15	2.58	5.14	4.30	8.68	6.79	4.72	4.51	5.99	6.43	5.39	2.79	3.09
16	2.36	5.18	4.16	8.18	7.48	4.58	4.49	6.68	6.60	6.06	2.75	3.09
17	2.19	5.04	3.98	7.62	7.74	4.46	4.40	---	6.22	7.36	2.98	2.98
18	2.18	4.64	3.84	7.16	7.47	4.38	4.29	---	6.25	7.90	3.27	2.87
19	3.11	4.34	3.73	6.71	7.21	4.32	4.23	7.86	6.24	7.29	3.46	2.80
20	3.83	4.22	3.69	6.32	7.23	4.34	4.14	7.92	5.59	6.80	3.67	2.74
21	4.09	4.01	4.31	5.95	7.88	6.02	4.03	---	4.41	6.35	3.33	2.69
22	4.14	4.12	5.21	5.47	7.60	6.83	3.87	---	3.88	5.93	3.07	2.61
23	3.99	4.26	5.63	5.03	7.23	6.37	3.74	---	3.63	5.17	2.91	2.58
24	3.71	4.18	6.72	4.80	6.86	6.04	3.60	---	3.45	4.38	2.85	2.64
25	3.42	3.97	7.04	4.91	6.52	5.77	3.51	---	3.31	4.08	2.85	2.56
26	3.09	4.17	6.60	5.10	6.18	5.43	3.43	---	3.20	4.00	2.97	2.53
27	3.04	5.01	6.23	5.42	5.82	5.95	3.40	---	3.64	4.21	2.97	2.53
28	3.48	5.45	5.97	5.52	5.62	6.26	3.61	---	5.95	4.20	2.92	2.55
29	3.73	5.81	5.90	5.49	---	6.39	4.11	---	6.89	4.08	2.83	2.60
30	3.81	6.69	6.03	6.22	---	7.17	4.91	---	7.83	3.96	3.14	2.77
31	3.87	---	6.20	7.23	---	7.13	---	3.65	---	3.77	3.38	---
MAX	4.14	6.69	7.04	8.68	7.88	7.17	7.04	---	7.86	9.71	3.91	3.24
MIN	2.18	2.67	3.69	4.80	5.04	4.32	3.40	---	3.20	3.77	2.75	2.53

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 closed during the water 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, 44.50 ft, July 2; minimum, 39.39 ft, Oct. 1, 2, 16, 17, 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.39	39.67	40.20	40.79	40.99	41.25	41.36	40.19	40.51	43.18	40.24	39.82
2	39.48	39.68	40.21	40.78	41.08	41.14	41.39	40.22	40.49	44.23	40.21	39.81
3	39.50	39.68	40.23	40.73	41.19	41.07	41.50	40.23	40.44	44.28	40.18	39.79
4	39.48	39.70	40.23	40.68	41.27	41.04	41.53	40.49	40.44	44.07	40.15	39.78
5	39.47	39.70	40.21	40.65	41.32	41.17	41.43	41.81	40.56	43.67	40.12	39.76
6	39.45	39.65	40.19	40.62	41.29	41.28	41.25	43.27	40.76	43.22	40.10	39.75
7	39.44	39.63	40.16	40.59	41.20	41.33	41.06	43.52	40.82	42.82	40.07	39.75
8	39.43	39.63	40.17	40.56	41.09	41.35	40.92	43.08	40.94	42.53	40.03	39.74
9	39.45	39.63	40.14	40.53	40.99	41.35	40.78	42.64	41.03	42.38	40.00	39.73
10	39.46	39.63	40.13	40.48	40.92	41.32	40.67	42.30	41.18	42.17	39.98	39.74
11	39.45	39.61	40.12	40.47	40.85	41.28	40.58	42.04	41.35	41.93	39.96	39.74
12	39.44	39.66	40.11	40.54	40.82	41.22	40.52	41.80	41.50	41.66	39.95	39.73
13	39.42	39.76	40.10	40.75	40.86	41.12	40.46	41.62	41.53	41.42	39.93	39.73
14	39.41	39.80	40.10	41.08	40.97	41.02	40.42	41.48	41.53	41.21	39.92	39.72
15	39.40	39.82	40.10	41.33	41.13	40.90	40.40	41.33	41.52	41.08	39.91	39.70
16	39.40	39.86	40.09	41.49	41.36	40.79	40.38	41.25	41.46	41.00	39.90	39.68
17	39.39	39.86	40.08	41.59	41.65	40.71	40.37	41.26	41.40	40.95	39.89	39.68
18	39.41	39.87	40.07	41.61	41.96	40.63	40.35	41.97	41.27	40.96	39.90	39.66
19	39.51	39.92	40.06	41.59	42.24	40.56	40.32	42.91	41.11	41.02	39.90	39.65
20	39.53	40.00	40.06	41.51	42.36	40.52	40.30	43.06	40.96	41.07	39.90	39.64
21	39.54	39.97	40.07	41.38	42.49	40.55	40.30	42.71	40.84	41.11	39.90	39.63
22	39.54	39.96	40.08	41.23	42.38	40.64	40.28	42.39	40.73	41.07	39.89	39.62
23	39.55	39.95	40.13	41.07	42.27	40.72	40.26	42.22	40.61	40.99	39.89	39.60
24	39.55	39.94	40.17	40.94	42.16	40.78	40.23	---	40.51	40.89	---	39.57
25	39.55	39.93	40.19	40.82	41.97	40.82	40.21	---	40.42	40.77	---	39.56
26	39.58	40.13	40.25	40.73	41.75	40.84	40.19	---	40.35	40.67	---	39.55
27	39.58	40.31	40.36	40.65	41.56	40.92	40.17	---	40.40	40.55	---	39.53
28	39.59	40.30	40.56	40.60	41.39	40.98	40.15	---	40.78	40.46	---	39.53
29	39.59	40.27	40.59	40.60	---	41.13	40.15	---	41.36	40.40	---	39.54
30	39.60	40.23	40.65	40.76	---	41.29	40.14	40.71	42.07	40.34	---	39.55
31	39.66	---	40.77	40.88	---	41.33	---	40.60	---	40.29	39.84	---
MAX	39.66	40.31	40.77	41.61	42.49	41.35	41.53	---	42.07	44.28	---	39.82
MIN	39.39	39.61	40.06	40.47	40.82	40.52	40.14	---	40.35	40.29	---	39.53

RED RIVER BASIN

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07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE 1/4 NE 1/4 sec.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, 37.96 ft, May 9; minimum, 30.62 ft, Dec. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.08	30.83	30.76	32.42	35.02	36.65	37.37	35.78	35.21	33.80	35.89	31.09
2	31.26	30.77	30.71	32.18	34.93	36.86	37.31	35.47	34.95	34.26	35.73	31.09
3	31.06	30.76	30.69	32.02	34.90	36.97	37.38	35.10	34.61	34.79	35.55	31.07
4	30.90	30.76	30.68	31.87	34.84	37.02	37.37	34.90	34.29	35.43	35.34	31.06
5	30.83	30.73	30.71	31.76	34.78	37.11	37.34	36.80	34.01	35.91	35.12	31.08
6	30.77	30.71	30.67	31.67	34.69	37.14	37.34	37.62	33.72	36.50	34.87	31.09
7	30.76	30.68	30.64	31.61	34.58	37.16	37.32	37.82	33.28	36.77	34.56	30.98
8	30.78	30.69	31.00	31.68	34.45	37.17	37.30	37.89	33.09	36.90	34.20	30.88
9	30.84	30.70	30.94	31.62	34.27	37.17	37.28	37.93	32.75	36.97	33.77	30.77
10	30.82	30.79	30.89	31.57	34.07	37.16	37.24	37.90	32.43	37.00	33.22	30.72
11	30.82	31.03	31.07	31.89	33.86	37.14	37.20	37.77	32.18	37.02	32.57	30.70
12	30.78	31.14	30.95	33.68	33.68	37.12	37.17	37.59	31.89	37.02	31.90	30.68
13	30.76	31.27	30.96	34.85	33.51	37.09	37.13	37.44	31.74	37.03	31.34	30.68
14	30.76	31.01	31.11	34.86	33.35	37.07	37.11	37.27	32.29	37.04	31.10	30.68
15	30.77	30.88	31.13	34.68	33.24	37.04	37.09	37.04	32.46	37.07	31.08	30.68
16	30.77	30.92	31.09	34.40	33.53	37.00	37.06	36.83	32.02	37.08	31.05	30.68
17	30.73	30.82	31.00	34.24	33.82	36.97	37.03	36.69	31.60	37.06	31.16	30.65
18	30.73	30.81	30.92	34.25	34.09	36.94	37.00	36.96	31.30	37.07	31.21	30.66
19	31.04	30.92	30.85	34.33	34.39	36.91	36.97	37.17	31.20	37.06	31.20	30.66
20	30.92	31.22	30.84	34.42	34.68	36.89	36.94	37.15	31.15	37.06	31.13	30.84
21	30.84	31.00	30.83	34.49	35.01	36.93	36.91	37.09	31.12	37.03	31.11	30.88
22	30.77	30.85	30.83	34.54	35.22	36.96	36.88	37.01	31.10	37.00	31.10	30.85
23	30.79	30.81	31.20	34.58	35.41	36.94	36.85	36.91	31.12	36.99	31.09	30.82
24	30.80	30.78	31.11	34.61	35.57	36.92	36.82	36.81	31.12	36.99	31.09	30.80
25	30.80	30.79	31.02	34.64	35.71	36.89	36.77	36.69	31.11	36.97	31.09	30.78
26	30.92	31.58	30.94	34.64	35.83	36.88	36.73	36.55	31.11	36.90	31.09	30.76
27	30.88	31.43	31.00	34.65	35.99	36.92	36.66	36.38	31.38	36.70	31.07	30.73
28	30.79	31.08	32.94	34.60	36.37	36.92	36.49	36.22	31.79	36.51	31.06	30.74
29	30.75	30.93	32.25	34.68	---	37.15	36.29	36.02	31.82	36.34	31.08	30.78
30	30.79	30.83	32.61	35.16	---	37.32	36.05	35.77	32.85	36.18	31.09	30.81
31	31.01	---	33.09	35.13	---	37.31	---	35.49	---	36.04	31.09	---
MAX	31.26	31.58	33.09	35.16	36.37	37.32	37.38	37.93	35.21	37.08	35.89	31.09
MIN	30.73	30.68	30.64	31.57	33.24	36.65	36.05	34.90	31.10	33.80	31.05	30.65

RED RIVER BASIN

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 September 1987. October 1987 to current year (elevations only). 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 recorder, a broad-crested weir and four radial gates. Datum of gage is National Geodetic Vertical Datum of 1919. Prior to October 2, 1987, datum of gage was 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.--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.--12 years, 17,600 ft³/s, 12,780,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,700 ft³/s, Jan. 10, 1983, tailwater elevation, 44.82 ft, minimum daily, 452 ft³/s Oct. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 62.94 ft, Mar. 13; minimum elevation, 50.68 ft, Jan. 12, 13.

ELEVATION, (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.15	52.22	51.82	51.79	54.68	59.90	60.37	54.22	54.74	52.22	54.94	52.25
2	52.29	52.11	51.73	51.78	54.60	60.53	60.23	53.55	54.30	53.35	54.65	52.04
3	52.19	52.09	51.87	51.74	54.51	60.98	60.07	52.87	53.85	54.63	54.34	52.13
4	52.11	52.20	51.90	51.86	54.40	61.34	59.89	52.32	53.42	55.88	54.02	52.15
5	52.10	52.31	51.84	51.81	54.26	61.69	59.71	52.65	53.09	56.87	53.65	52.12
6	52.09	52.20	51.84	51.71	54.08	62.01	59.61	53.53	52.72	57.75	53.25	52.07
7	52.02	52.24	51.83	51.82	53.88	62.24	59.52	54.24	52.32	58.42	52.83	52.18
8	51.93	52.16	51.87	51.77	53.65	62.44	59.44	54.78	52.27	58.88	52.41	52.22
9	51.97	51.97	51.84	51.80	53.44	62.59	59.43	55.19	51.99	59.19	51.97	52.21
10	52.01	52.06	51.80	51.69	53.19	62.72	59.38	55.45	51.83	59.40	51.98	52.18
11	51.99	52.23	51.67	51.72	52.94	62.83	59.39	55.53	51.87	59.53	51.90	52.18
12	52.05	52.15	51.84	51.66	52.71	62.88	59.40	55.49	51.85	59.60	51.99	52.18
13	52.04	52.30	51.80	51.35	52.52	62.90	59.40	55.37	51.86	59.65	51.84	52.12
14	52.18	52.22	51.75	51.76	52.36	62.89	59.43	55.19	51.96	59.66	51.86	52.19
15	52.27	52.18	51.77	51.83	52.22	62.83	59.45	54.83	51.87	59.61	51.91	52.17
16	52.35	52.32	51.80	52.19	52.26	62.78	59.47	54.47	51.88	59.41	52.08	52.16
17	52.28	52.13	51.77	52.76	52.47	62.71	59.42	54.29	51.91	59.20	51.86	52.14
18	52.31	52.18	51.78	53.43	52.78	62.57	59.30	55.02	51.92	58.98	51.91	52.12
19	52.32	52.19	51.82	54.07	53.23	62.41	59.12	55.68	51.89	58.73	51.88	52.00
20	52.16	52.27	51.84	54.58	53.82	62.30	58.92	55.96	51.83	58.48	51.86	52.07
21	52.28	51.97	51.87	54.95	54.86	62.17	58.70	56.36	51.84	58.23	51.88	52.11
22	52.30	51.87	51.83	55.20	55.71	62.06	58.47	56.70	51.83	58.00	51.83	52.06
23	52.30	51.85	51.70	55.38	56.52	61.89	58.16	56.88	51.77	57.74	51.91	52.06
24	52.26	51.87	51.79	55.46	57.24	61.73	57.82	56.92	51.92	57.45	52.02	52.14
25	52.14	51.85	51.76	55.44	57.84	61.53	57.43	56.83	51.86	57.14	52.03	51.99
26	52.23	51.80	51.79	55.32	58.37	61.27	57.00	56.70	51.81	56.81	52.10	52.17
27	52.25	51.84	51.82	55.18	58.79	61.10	56.52	56.51	51.80	56.45	52.06	52.16
28	52.31	51.86	51.83	55.00	59.29	60.83	56.02	56.25	51.90	56.13	52.06	52.18
29	52.28	51.80	51.77	54.83	---	60.74	55.52	55.95	51.88	55.83	52.13	52.19
30	52.27	51.82	51.76	54.86	---	60.68	54.86	55.58	51.83	55.54	52.05	52.14
31	52.29	---	51.82	54.78	---	60.48	---	55.18	---	55.25	52.11	---
MAX	52.35	52.32	51.90	55.46	59.29	62.90	60.37	56.92	54.74	59.66	54.94	52.25
MIN	51.93	51.80	51.67	51.35	52.22	59.90	54.86	52.32	51.77	52.22	51.83	51.99

RED RIVER BASIN

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07367640 OUACHITA RIVER AT COLUMBIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°06'28", long 92°04'27", NE 1/4 SE 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.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
A specific conductance of 59 microsiemens was observed Mar. 9, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 07...	1330	1200	380	6.71	17.5	20	3.3	7.9	2.9	<2	K10
JAN 27...	1015	47700	84	6.24	9.5	80	20	8.1	1.3	K22	200
MAR 09...	1415	62400	59	7.04	9.5	60	19	9.2	1.5	K80	--
APR 28...	0930	51400	78	6.65	22.0	80	7.8	5.9	1.2	48	54
JUN 15...	1215	38800	110	6.81	26.5	80	12	5.4	1.0	K40	44
AUG 31...	1030	2100	134	6.65	26.5	70	7.5	4.7	2.0	K40	K20

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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)
OCT 07...	45	12	3.5	54	4.0	36	43	61	0.1	7.2	220
JAN 27...	16	4.4	1.2	6.8	1.8	9	6.6	11	<0.1	6.1	63
MAR 09...	15	4.2	1.1	5.1	1.4	11	5.4	7.3	0.1	6.1	49
APR 28...	20	5.6	1.5	7.8	1.6	18	8.0	10	0.1	2.8	56
JUN 15...	21	6.0	1.4	11	1.8	18	7.0	15	0.1	6.6	90
AUG 31...	27	7.2	2.2	14	2.2	23	11	16	0.1	8.4	85

< 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).

RED RIVER BASIN

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

		SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+N03 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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	
OCT 07...		208	<0.01	0.32	0.02	<0.01	0.5	0.05	0.04	0.02	
JAN 27...		42	0.01	<0.10	0.06	0.04	0.7	0.05	0.02	0.02	
MAR 09...		36	<0.01	<0.10	0.03	0.04	1.8	0.03	0.03	0.03	
APR 28...		47	<0.01	<0.10	0.03	0.04	0.6	0.08	0.03	0.02	
JUN 15...		57	0.01	0.17	0.11	0.06	0.6	0.07	0.08	0.06	
AUG 31...		77	0.02	0.27	0.12	0.10	0.4	0.07	0.07	0.07	
DATE		ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)
OCT 07...		<10	2	59	<0.5	<1	<1	<3	1	40	<5
MAR 09...		130	<1	27	<0.5	<1	1	<3	3	340	<5
APR 28...		90	<1	37	<0.5	<1	<1	<3	4	560	1
AUG 31...		40	1	49	<0.5	<1	<1	<3	2	690	1
DATE		LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)
OCT 07...		4	6	<0.1	10	<1	<1	<1	220	<6	14
MAR 09...		<4	31	<0.1	<10	5	<1	<1	55	<6	29
APR 28...		<4	94	<0.1	<10	7	<1	<1	76	<6	7
AUG 31...		<4	200	<0.1	<10	<1	<1	<1	110	<6	<3
DATE		GROSS ALPHA, DIS- SOLVED (µG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (µG/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 NATURAL DIS- SOLVED (µG/L AS U)		
APR 28...		0.2	2.5	1.1	0.6	0.9	0.5	0.10	0.04		
DATE						SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM				
OCT 07...						42	136	91			
JAN 27...						42	5410	88			
MAR 09...						47	7920	67			
APR 28...						33	4580	84			
JUN 15...						23	2410	93			

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

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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.

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 January 1986 (gage heights only). February 1986 to current year (daily gage heights and daily discharges below 3,800 ft³/s only).

REMARKS.--No estimated daily discharges. Records good between 2,000 and 3,000 ft³/s. No gage height recorded below 1.57 ft. 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).

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, 1978, and 1987-89, result of pumping for irrigation.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.26 ft, July 4; minimum, 4.04 ft, Oct. 19.

[illegible]

RED RIVER BASIN

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.03	5.84	6.94	18.61	8.94	12.68	10.21	5.70	4.15	22.70	6.15	5.69
2	5.53	5.56	6.06	13.54	6.74	9.46	8.32	5.34	4.62	24.69	6.67	5.71
3	7.52	5.38	5.77	7.91	6.49	7.02	6.41	5.25	7.00	25.35	6.31	5.65
4	6.69	5.28	5.58	6.89	7.76	6.36	8.58	5.99	7.26	25.52	5.87	5.56
5	5.97	5.17	5.44	6.32	7.61	6.78	13.54	13.11	8.98	25.48	5.58	5.55
6	5.59	5.04	5.33	6.04	6.48	9.10	8.54	18.67	9.17	25.27	5.41	5.45
7	5.37	4.97	5.25	5.94	5.96	9.52	6.59	14.82	7.37	24.82	5.45	5.37
8	5.23	4.80	5.22	8.06	5.91	7.83	5.96	7.38	11.05	24.01	5.43	5.31
9	5.11	4.63	5.21	7.79	6.35	6.41	5.70	7.22	11.40	22.73	5.31	5.32
10	5.00	4.47	5.28	6.68	6.32	6.07	5.52	6.39	9.69	19.50	5.18	5.41
11	4.89	4.53	5.46	6.55	6.13	5.96	5.40	5.82	8.90	14.13	5.15	5.51
12	4.80	4.82	5.39	13.44	5.96	5.86	5.39	5.67	7.03	8.03	5.23	5.59
13	4.71	7.73	5.29	21.39	7.53	5.80	5.31	5.69	6.00	6.78	5.25	5.55
14	4.60	7.55	5.21	23.04	8.63	5.68	5.27	7.14	7.77	8.18	5.35	6.44
15	4.47	6.45	5.13	23.64	13.01	5.49	5.21	7.09	14.35	7.99	5.38	6.49
16	4.36	6.01	5.06	23.48	15.26	5.46	5.12	6.25	13.78	14.17	5.44	6.48
17	4.28	5.93	4.99	22.59	17.49	5.50	5.06	5.90	10.29	14.57	5.56	5.97
18	4.19	5.81	4.97	19.80	17.81	5.47	5.02	8.31	7.79	12.66	5.92	5.64
19	4.23	5.64	4.98	13.02	15.96	5.40	5.08	15.50	6.16	11.28	6.10	5.45
20	6.55	7.89	4.98	7.12	11.03	5.31	5.15	11.63	5.63	9.64	5.84	5.32
21	10.19	8.89	5.02	6.51	18.47	5.95	5.14	7.07	5.37	9.09	5.72	5.25
22	8.33	7.82	7.41	6.17	20.37	7.37	5.12	6.08	5.22	7.97	5.62	5.21
23	6.61	6.47	8.28	5.95	18.38	6.52	5.06	6.64	5.17	6.54	5.57	5.21
24	6.10	5.87	8.29	6.35	12.13	5.94	5.04	6.44	5.10	6.03	5.61	5.18
25	5.74	5.62	7.17	8.13	7.12	5.62	5.05	5.69	4.97	6.19	5.74	5.30
26	5.57	7.41	6.40	7.04	6.46	5.48	4.89	5.42	4.79	8.30	5.77	5.40
27	5.44	15.09	5.94	7.72	6.31	5.35	4.73	5.26	4.64	7.81	5.83	5.23
28	5.49	15.45	14.78	6.73	10.92	5.25	4.68	5.14	5.32	7.94	5.77	5.14
29	5.99	12.85	19.27	6.26	---	7.51	4.66	4.90	12.78	8.17	5.60	5.13
30	5.78	9.42	18.58	12.39	---	14.07	5.20	4.59	20.28	6.76	5.53	5.14
31	5.74	---	20.11	14.01	---	13.03	---	4.23	---	6.09	5.60	---
MAX	10.19	15.45	20.11	23.64	20.37	14.07	13.54	18.67	20.28	25.52	6.67	6.49
MIN	4.19	4.47	4.97	5.94	5.91	5.25	4.66	4.23	4.15	6.03	5.15	5.13

07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec.1, T.17 N., R.6 E., and sec.6., T.17 N., R.7 E., Richland Parish, Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi east of Girard.

DRAINAGE AREA.--1,226 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Daily gage heights as follows: 1886-94 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg District; since January 1932 in reports of Corps of Engineers, Vicksburg District.

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 3, 1955, nonrecording gage at sites within 200 ft upstream. Prior to Oct. 1, 1966, at datum 2.20 ft higher. Water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft lower. See WSP 2120 for changes prior to Nov. 20, 1962.

REMARKS.--Estimated daily discharges. Records fair, except those for periods of no base gage heights, which are poor. 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. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 329 ft³/s, 238,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s, May 2, 1958; maximum gage height, 21.51 ft, May 6, 1958, present datum; minimum discharge, 1.4 ft³/s, Aug. 3, 4, 1986; minimum gage height, 2.61 ft, June 25, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 7, 1927, reached a stage of 31.7 ft, present site and datum, (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,430 ft³/s, Jan. 15, gage height, 15.01 ft; minimum discharge, 2.1 ft³/s, Oct. 17, 18, 22; minimum gage height, 3.72 ft, Oct. 17, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	7.7	255	784	e400	e610	e300	5.8	19	428	47	9.1
2	14	6.1	181	827	330	e740	e220	5.8	17	786	37	8.4
3	107	5.1	113	740	235	e680	e200	5.8	26	1070	27	8.0
4	322	4.5	71	528	178	e475	96	e40	e55	1250	21	7.8
5	288	3.7	47	314	e145	e290	75	e600	e100	1300	19	7.6
6	191	3.0	31	184	e110	e170	97	e900	e150	1280	18	7.9
7	110	3.1	21	114	e80	e110	153	e1100	e200	1250	15	8.3
8	63	3.0	16	82	e65	e96	117	e1000	e260	1240	12	9.0
9	41	3.0	13	66	e54	e80	75	e800	226	1210	8.9	9.6
10	26	2.8	11	76	e44	e60	50	e600	227	1180	9.6	10
11	16	3.0	11	118	37	e55	34	e400	201	1110	10	11
12	9.9	6.9	9.6	376	30	e45	24	e250	158	959	8.7	12
13	6.6	14	9.3	941	25	e35	18	e170	116	699	7.5	12
14	4.7	30	10	1290	21	e30	16	e190	116	434	7.4	12
15	3.4	49	13	1420	20	e25	15	e170	147	268	6.9	12
16	2.5	48	15	1400	e80	e24	13	e160	223	179	6.3	11
17	2.1	37	29	1340	e240	e23	12	e220	289	163	5.7	12
18	2.1	27	31	1240	e400	e22	10	e400	271	241	5.7	13
19	2.2	19	24	1120	e520	e20	9.3	e700	199	269	7.0	13
20	2.2	15	18	904	e620	e19	8.2	e800	128	247	9.2	13
21	2.2	10	15	554	e700	e400	7.4	e700	81	207	10	13
22	2.1	8.5	12	e400	e740	e500	6.9	e500	54	157	10	12
23	8.0	15	21	e200	e760	e400	6.5	e340	38	117	10	11
24	27	23	40	e100	e740	e300	6.2	e200	25	85	10	10
25	25	21	77	e65	e600	e200	5.9	e120	18	61	9.2	12
26	18	45	76	e45	e390	e150	5.6	e80	14	46	10	11
27	13	79	63	e46	e260	e100	5.3	e64	12	32	12	11
28	11	169	174	e45	e350	e80	5.1	53	19	34	15	10
29	13	268	336	e50	---	e300	5.6	38	31	45	14	12
30	12	297	495	e150	---	e500	5.7	28	52	54	12	12
31	9.8	---	639	e300	---	e400	---	22	---	56	10	---
TOTAL	1364.0	1226.4	2876.9	15819	8174	6939	1602.7	10662.4	3472	16457	411.1	320.7
MEAN	44.0	40.9	92.8	510	292	224	53.4	344	116	531	13.3	10.7
MAX	322	297	639	1420	760	740	300	1100	289	1300	47	13
MIN	2.1	2.8	9.3	45	20	19	5.1	5.8	12	32	5.7	7.6
AC-FT	2710	2430	5710	31380	16210	13760	3180	21150	6890	32640	815	636
CAL YR 1988	TOTAL 25767.7		MEAN 70.4		MAX 1150		MIN 1.6		AC-FT 51110			
WTR YR 1989	TOTAL 69325.2		MEAN 190		MAX 1420		MIN 2.1		AC-FT 137500			

e Estimated.

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.04	4.08	7.45	11.36	8.61	10.22	---	3.80	4.27	9.05	4.83	3.96
2	4.19	4.01	6.73	11.62	8.38	11.18	---	3.80	4.22	11.73	4.66	3.93
3	5.39	3.95	5.92	11.20	7.49	10.58	---	3.80	4.36	13.06	4.47	3.91
4	7.05	3.91	5.27	9.90	6.88	9.11	6.07	4.45	5.02	13.95	4.32	3.90
5	6.83	3.86	4.84	8.30	6.33	7.73	5.41	11.90	5.69	14.19	4.27	3.89
6	6.18	3.81	4.55	7.02	5.86	6.68	5.64	14.05	6.39	14.10	4.25	3.90
7	5.56	3.81	4.33	6.10	5.46	6.04	6.34	14.43	6.86	13.96	4.17	3.92
8	5.07	3.81	4.21	5.57	5.18	5.83	5.95	14.08	7.48	13.89	4.05	3.95
9	4.73	3.81	4.11	5.25	4.99	5.66	5.34	12.71	7.39	13.75	3.95	3.98
10	4.47	3.79	4.03	5.38	4.83	---	4.89	10.64	7.37	13.57	3.98	4.00
11	4.25	3.80	4.04	5.93	4.66	---	4.59	8.74	7.10	13.28	3.99	4.02
12	4.07	4.03	3.98	9.26	4.52	---	4.40	7.34	6.59	12.55	3.94	4.06
13	3.94	4.29	3.96	12.84	4.41	---	4.26	6.46	6.04	11.21	3.88	4.06
14	3.87	4.65	4.01	14.50	4.32	---	4.19	6.73	6.05	9.50	3.88	4.05
15	3.80	4.99	4.08	14.97	4.31	---	4.15	6.54	6.55	8.10	3.86	4.05
16	3.76	4.97	4.16	14.91	5.35	---	4.10	6.32	7.21	7.12	3.83	4.05
17	3.73	4.81	4.51	14.58	7.18	---	4.06	7.17	7.81	6.71	3.80	4.05
18	3.73	4.61	4.54	14.13	8.60	---	4.01	8.86	7.71	7.39	3.79	4.09
19	3.73	4.45	4.40	13.55	9.50	---	3.96	11.44	7.05	7.66	3.86	4.12
20	3.74	4.33	4.26	12.50	10.07	---	3.92	11.57	6.20	7.49	3.96	4.11
21	3.74	4.19	4.15	10.56	10.76	---	3.88	11.04	5.47	7.10	4.00	4.10
22	3.73	4.11	4.07	8.58	11.01	---	3.86	9.68	4.98	6.53	4.00	4.07
23	4.03	4.32	4.35	7.12	11.17	---	3.84	8.11	4.68	5.99	3.99	4.03
24	4.61	4.54	4.71	6.12	11.00	---	3.82	6.86	4.41	5.51	3.99	4.00
25	4.57	4.49	5.32	5.44	10.08	---	3.80	6.04	4.24	5.10	3.96	4.06
26	4.42	4.95	5.30	5.07	8.47	---	3.79	5.51	4.13	4.81	4.00	4.04
27	4.26	5.60	5.13	5.09	7.42	---	3.77	5.16	4.08	4.56	4.06	4.02
28	4.20	6.53	6.99	5.06	8.20	---	3.76	4.92	4.27	4.60	4.15	4.01
29	4.26	7.46	8.20	5.20	---	---	3.79	4.68	4.54	4.79	4.12	4.05
30	4.23	7.76	9.41	6.55	---	---	3.80	4.49	5.33	4.94	4.06	4.07
31	4.17	---	10.48	7.90	---	---	---	4.36	---	4.98	4.00	---
MAX	7.05	7.76	10.48	14.97	11.17	---	---	14.43	7.81	14.19	4.83	4.12
MIN	3.73	3.79	3.96	5.06	4.31	---	---	3.80	4.08	4.56	3.79	3.89

RED RIVER BASIN

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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. Records fair, except for periods of indefinite stage-discharge relationship at times during the year, which are poor. 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.--51 years, 1,773 ft³/s, 1,285,000 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 210 ft³/s, Apr. 27, 1989; no flow at times in August, September, and October 1952, June 1984, result of pumping for irrigation. No flow Mar. 17, 1989, backwater from Ouachita River.

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, 19,900 ft³/s, May 7, gage height, 26.62 ft; maximum gage height, 26.88 ft, July 7. Maximum daily reverse flow, 210 ft³/s, Apr. 27, backwater from Ouachita River; minimum daily discharge, no flow, Mar. 17, backwater from Ouachita River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	638	3130	15500	8510	9780	6770	e-200	e1000	13200	e1900	424
2	512	524	1150	15000	3990	9650	4670	e-190	e950	15700	e1800	463
3	3600	312	1010	10800	2190	5680	2030	e-200	e850	17100	e1700	442
4	3760	199	621	4470	2460	e3500	e1800	e-190	1930	17900	e1600	386
5	2190	147	405	2110	2710	e2400	4810	e10000	3590	18400	e1500	349
6	1260	115	313	1130	1640	1560	6020	18100	6440	19000	e1450	352
7	624	89	267	761	e1500	3300	2130	19500	4690	19000	e1400	310
8	280	85	274	2230	e1400	2790	e1100	18700	5140	18600	e1300	276
9	189	131	260	3750	e1200	e1000	e500	15400	6930	17900	e1200	237
10	145	120	263	3310	e1000	e200	e250	12800	5960	17000	e1100	239
11	120	85	427	2770	e800	e30	e100	10600	4470	15300	e1000	308
12	101	97	544	9740	e650	e15	e60	6700	3110	12800	e900	323
13	81	1820	457	14900	595	e-10	e25	2320	e2900	9480	e800	326
14	66	3070	371	16900	2160	e-175	e5.0	2370	e3500	6150	652	641
15	62	2160	536	17900	4140	e-100	e1.0	1730	8080	4190	551	1380
16	57	1460	714	18000	7260	e-10	e-10	3490	9040	4570	544	1250
17	54	941	507	17600	9280	e.00	e-100	1750	7090	7200	574	962
18	53	608	360	17000	10900	e1.0	e-165	12200	4420	7560	673	601
19	63	477	301	15300	11400	e10	e-170	14100	1570	7110	898	393
20	71	895	247	12300	9060	e30	e-175	13300	e1000	5960	861	285
21	2140	2870	190	7580	11100	e100	e-180	e9000	e500	4450	601	206
22	4070	3550	474	3020	13000	e2000	e-185	e7000	e400	3380	495	172
23	2380	2280	3480	e2600	12600	e2750	e-190	e6000	e350	e3000	435	169
24	1450	1010	3600	e2200	10600	e2300	e-195	e5000	e300	e2700	637	158
25	924	512	2550	1920	5520	e2000	e-205	e4000	e250	e2500	598	157
26	926	816	1490	2430	e2500	e1500	e-205	e3500	e200	e2650	610	200
27	1760	5870	1030	2020	e1500	e1000	e-210	e2700	e180	2700	620	210
28	1140	8490	7390	1970	6850	e500	e-205	e2200	e250	e2600	598	166
29	744	7800	12500	e1700	---	1350	e-200	e1800	e1500	e2400	513	151
30	667	5840	13400	6580	---	7660	e-190	e1500	8130	e2200	428	155
31	523	---	14900	10500	---	8660	---	e1200	---	e2000	400	---
TOTAL	30098	53011	73161	243991	146515	69471.00	27686.0	206180	94720	284700	28338	11691
MEAN	971	1767	2360	7871	5233	2241	923	6651	3157	9184	914	390
MAX	4070	8490	14900	18000	13000	9780	6770	19500	9040	19000	1900	1380
MIN	53	85	190	761	595	0	1.0	-200	180	2000	400	151
AC-FT	59700	105100	145100	484000	290600	137800	54920	409000	187900	564700	56210	23190
CAL YR 1988	TOTAL		474732		MEAN 1297		MAX 14900		MIN 12		AC-FT 941600	
WTR YR 1989	TOTAL		1269562.00		MEAN 3478		MAX 19500		MIN 0		AC-FT 2518000	

e Estimated.

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.37	3.39	11.06	24.72	20.48	22.00	20.14	8.78	11.85	23.56	10.63	2.77
2	2.71	3.05	6.75	24.63	16.27	22.71	18.42	8.23	11.82	25.17	10.49	2.88
3	9.50	2.40	4.53	22.95	13.92	20.91	16.59	7.57	11.58	25.82	10.07	2.82
4	9.99	1.98	3.32	17.35	13.60	18.19	15.48	7.25	12.51	26.22	9.13	2.65
5	7.21	1.72	2.69	13.09	13.41	17.16	17.55	19.31	13.91	26.45	8.26	2.53
6	4.89	1.54	2.39	11.11	12.27	17.32	18.54	26.06	17.64	26.75	7.47	2.54
7	3.34	1.37	2.23	9.68	11.01	17.88	15.87	26.54	16.02	26.86	6.73	2.41
8	2.29	1.34	2.25	10.15	10.47	17.73	14.59	26.50	16.43	26.84	6.09	2.29
9	1.95	1.64	2.20	11.82	10.01	16.79	14.23	25.77	18.19	26.76	5.55	2.15
10	1.73	1.57	2.21	11.43	9.64	16.39	13.94	24.52	17.33	26.59	5.05	2.15
11	1.59	1.34	2.75	10.69	9.00	16.32	13.75	21.87	15.71	26.25	4.59	2.40
12	1.47	1.36	3.10	20.90	8.41	16.27	13.56	17.34	13.93	25.59	4.17	2.45
13	1.33	6.03	2.84	25.02	8.29	16.26	13.36	14.29	11.61	24.38	3.79	2.46
14	1.21	8.53	2.58	26.03	9.57	16.31	13.20	14.11	12.67	22.53	3.44	3.32
15	1.17	6.99	3.07	26.48	11.84	16.03	13.03	13.90	18.46	20.85	3.14	5.17
16	1.13	5.33	3.59	26.62	16.31	15.91	12.90	14.20	19.68	20.07	3.12	4.86
17	1.11	4.15	2.99	26.62	19.22	15.91	12.73	14.60	18.02	21.08	3.21	4.17
18	1.10	3.30	2.54	26.54	20.87	15.72	12.54	21.56	15.01	21.32	3.49	3.19
19	1.18	2.91	2.35	26.22	21.64	15.55	12.28	24.40	11.65	20.93	4.06	2.55
20	1.23	3.95	2.15	25.38	20.23	15.53	12.09	24.60	9.73	20.03	3.97	2.18
21	6.52	8.14	1.92	23.42	21.83	15.51	11.89	23.14	8.87	18.59	3.29	1.87
22	10.41	9.48	2.72	20.32	23.34	16.37	11.71	19.01	8.22	17.42	2.97	1.72
23	7.69	7.33	9.72	17.42	23.35	16.33	11.55	15.95	7.65	15.95	2.80	1.70
24	5.43	4.31	11.34	15.46	22.44	15.72	11.29	15.24	7.20	14.81	3.39	1.65
25	4.12	3.02	9.88	15.19	18.80	15.30	11.01	14.39	6.80	13.99	3.28	1.65
26	4.09	3.67	7.48	14.98	14.79	15.03	10.72	13.86	6.44	14.11	3.32	1.84
27	5.97	13.28	5.63	14.03	14.09	14.93	10.39	13.37	6.18	14.55	3.35	1.89
28	4.61	17.37	15.47	13.58	19.13	14.70	10.10	13.02	7.11	14.17	3.28	1.69
29	3.68	17.17	21.91	12.77	---	15.94	9.87	12.73	9.16	13.90	3.03	1.62
30	3.47	15.02	23.06	18.11	---	20.40	9.31	12.48	18.83	12.99	2.78	1.63
31	3.05	---	24.20	21.57	---	21.33	---	12.13	---	11.65	2.69	---
MAX	10.41	17.37	24.20	26.62	23.35	22.71	20.14	26.54	19.68	26.86	10.63	5.17
MIN	1.10	1.34	1.92	9.68	8.29	14.70	9.31	7.25	6.18	11.65	2.69	1.62

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 right 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 daily discharges. No gage-height record, Oct. 1-3, at the auxiliary gage. 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.--53 years (water years 1936-89), 347 ft³/s, 251,400 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, 3,360 ft³/s, Jan. 12, gage height, 23.01 ft; maximum gage height, 24.22 ft, Jan. 15; minimum discharge, 5.6 ft³/s, Oct. 23, gage height, 5.08 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	116	293	2040	783	1890	588	37	389	423	330	32
2	23	105	214	1740	645	2540	460	36	370	1390	242	28
3	40	74	157	1390	620	2390	371	33	338	2100	249	26
4	53	104	116	1150	687	1990	313	59	341	1920	283	23
5	41	221	82	936	620	1560	240	1670	613	1440	206	22
6	27	175	51	793	569	1180	196	3100	1040	1120	140	20
7	19	96	31	675	514	709	164	3020	1040	1260	98	20
8	14	49	21	593	641	504	133	2830	1300	1230	71	19
9	12	24	16	628	683	602	109	2560	1340	1020	53	17
10	10	16	13	790	559	551	93	2280	1010	846	43	17
11	9.4	12	14	1110	436	484	77	1930	762	718	39	23
12	8.9	11	14	2960	360	432	63	1530	623	632	36	27
13	8.1	30	14	3290	280	388	53	1240	493	567	33	31
14	7.5	123	14	3230	206	346	49	1030	527	572	31	29
15	7.1	142	22	3190	147	309	52	966	622	583	29	25
16	6.8	127	79	3170	142	239	57	881	591	593	28	24
17	6.7	107	122	3100	545	174	57	860	496	461	31	20
18	6.6	88	105	3010	707	122	55	1420	425	390	40	17
19	7.2	66	80	2890	765	82	52	2750	363	319	57	14
20	7.7	65	55	2710	718	63	49	2640	331	300	85	13
21	7.8	137	34	2480	1700	571	46	2400	269	273	86	12
22	7.2	150	26	2200	1730	1110	40	2090	189	217	66	11
23	7.0	138	609	1890	1350	941	38	1740	183	163	47	12
24	8.0	117	1010	1530	1080	707	36	1380	161	124	37	11
25	34	94	827	1210	799	542	34	1080	108	97	33	10
26	49	100	590	936	646	438	33	879	79	102	35	11
27	140	387	447	831	575	385	32	744	63	190	38	12
28	243	621	1040	717	1040	339	31	653	57	392	33	12
29	219	512	1380	637	---	527	35	575	62	654	29	13
30	169	378	1360	779	---	1030	35	500	73	574	28	13
31	127	---	1890	927	---	819	---	436	---	425	31	---
TOTAL	1339.0	4385	10726	53532	19547	23964	3591	43349	14258	21095	2587	564
MEAN	43.2	146	346	1727	698	773	120	1398	475	680	83.5	18.8
MAX	243	621	1890	3290	1730	2540	588	3100	1340	2100	330	32
MIN	6.6	11	13	593	142	63	31	33	57	97	28	10
AC-FT	2660	8700	21280	106200	38770	47530	7120	85980	28280	41840	5130	1120
CAL YR 1988	TOTAL 79584.7		MEAN 217		MAX 2370		MIN 6.6		AC-FT 157900			
WTR YR 1989	TOTAL 198937.0		MEAN 545		MAX 3290		MIN 6.6		AC-FT 394600			

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.28	6.95	8.83	18.98	13.35	18.16	12.06	5.69	9.60	9.05	8.73	5.77
2	5.49	6.80	8.05	18.45	12.24	20.65	10.69	5.69	9.11	15.16	8.01	5.72
3	5.80	6.34	7.44	17.44	11.63	20.82	9.53	5.63	8.72	18.49	8.07	5.69
4	6.02	6.74	6.93	16.40	11.91	20.01	8.61	6.02	8.73	18.74	8.34	5.64
5	5.82	8.14	6.45	15.29	11.57	18.85	7.93	14.95	10.65	17.90	7.70	5.61
6	5.58	7.65	5.98	14.18	11.18	17.67	7.54	20.93	14.27	17.16	7.10	5.58
7	5.41	6.67	5.64	13.18	10.63	16.51	7.25	21.28	15.07	17.42	6.65	5.57
8	5.31	5.95	5.45	12.33	11.31	15.46	6.95	21.15	16.26	17.32	6.32	5.56
9	5.26	5.51	5.34	12.04	11.82	14.48	6.68	20.73	16.83	16.50	6.08	5.53
10	5.21	5.35	5.28	12.71	11.19	13.51	6.48	20.00	15.89	15.46	5.95	5.53
11	5.19	5.26	5.31	14.37	10.08	12.51	6.27	19.02	14.63	14.42	5.89	5.63
12	5.17	5.23	5.31	21.44	9.06	11.47	6.08	17.84	13.44	13.42	5.84	5.70
13	5.15	5.59	5.31	23.59	8.26	10.41	5.94	16.65	12.29	12.51	5.80	5.76
14	5.13	7.03	5.30	24.07	7.64	9.44	5.88	15.64	11.69	12.02	5.76	5.73
15	5.12	7.28	5.46	24.20	7.08	8.62	5.93	14.94	12.24	11.65	5.74	5.67
16	5.11	7.09	6.39	24.20	7.00	7.92	6.00	14.20	12.26	11.68	5.72	5.64
17	5.11	6.83	7.01	24.06	10.15	7.34	6.00	13.80	11.61	10.71	5.76	5.58
18	5.11	6.55	6.79	23.78	11.46	6.82	5.97	15.91	10.73	9.89	5.90	5.52
19	5.13	6.21	6.43	23.37	12.18	6.34	5.93	20.90	9.80	8.97	6.14	5.47
20	5.14	6.20	6.04	22.82	12.28	6.08	5.89	21.27	8.95	8.48	6.49	5.45
21	5.14	7.21	5.70	22.10	17.82	10.19	5.83	20.96	8.17	8.20	6.50	5.44
22	5.13	7.37	5.54	21.20	18.77	14.47	5.75	20.27	7.48	7.73	6.25	5.42
23	5.12	7.22	10.82	20.14	17.98	14.46	5.71	19.30	7.43	7.25	6.00	5.43
24	5.15	6.95	13.67	18.93	16.87	13.29	5.69	18.12	7.23	6.84	5.86	5.41
25	5.69	6.64	13.37	17.66	15.63	12.00	5.66	16.89	6.67	6.54	5.80	5.40
26	5.96	6.70	12.20	16.49	14.56	10.81	5.63	15.77	6.30	6.59	5.83	5.42
27	7.20	9.53	10.90	15.49	13.57	9.82	5.61	14.72	6.08	7.49	5.87	5.43
28	8.37	11.16	13.64	14.40	15.13	8.99	5.60	13.68	6.00	9.08	5.80	5.44
29	8.13	10.72	15.91	13.29	---	9.97	5.67	12.62	6.06	11.00	5.73	5.45
30	7.59	9.76	16.10	13.34	---	13.76	5.67	11.44	6.21	10.85	5.71	5.45
31	7.10	---	18.11	14.10	---	13.48	---	10.50	---	9.77	5.76	---
MAX	8.37	11.16	18.11	24.20	18.77	20.82	12.06	21.28	16.83	18.74	8.73	5.77
MIN	5.11	5.23	5.28	12.04	7.00	6.08	5.60	5.63	6.00	6.54	5.71	5.40

RED RIVER BASIN

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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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE (µS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)
OCT 06...	1600	27	367	7.04	18.0	30	74	5.7	1.4	K30	620
JAN 26...	1545	936	85	7.29	14.5	100	130	7.8	1.4	84	650
APR 27...	1700	32	433	8.16	27.5	20	27	11.1	6.1	K22	92
JUL 27...	1445	190	377	7.88	30.0	20	57	6.2	3.1	100	96

DATE	HARDNESS TOTAL (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 WAT WH TOT FET 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)	SILICA DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 06...	120	31	11	28	8.2	147	15	23	0.2	15	222
JAN 26...	34	9.0	2.7	2.4	3.2	39	7.9	1.4	0.1	6.3	56
APR 27...	180	48	15	24	4.6	210	7.0	14	0.2	10	249
JUL 27...	140	37	12	24	4.4	189	6.0	10	0.2	11	211

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DIS-SOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUMINUM, DIS-SOLVED (µG/L AS AL)
OCT 06...	213	0.03	0.61	0.10	0.07	0.8	0.22	0.13	0.09	<10
JAN 26...	53	0.01	0.10	0.13	0.07	0.9	0.27	0.14	0.13	190
APR 27...	243	<0.01	<0.10	0.03	0.04	0.7	0.22	0.05	0.03	<10
JUL 27...	211	0.18	0.86	0.11	0.09	0.8	0.09	0.08	0.06	<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).

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 06...	3	83	<0.5	<1	<1	<3	4	14	<5	7	44
JAN 26...	3	28	<0.5	<1	<1	<3	10	150	<5	<4	16
APR 27...	3	120	<0.5	<1	<1	<3	4	4	1	9	150
JUL 27...	3	86	<0.5	<1	<1	<3	3	6	<1	8	78

DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)
OCT 06...	<0.1	<10	1	<1	<1	140	<6	<3
JAN 26...	<0.1	<10	3	<1	1	43	<6	8
APR 27...	<0.1	<10	2	<1	<1	210	<6	6
JUL 27...	<0.1	<10	3	<1	<1	170	<6	3

< 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.--No estimated daily discharges. 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.--54 years, 979 ft³/s, 709,300 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, June 11, 1988, and June 12 to July 4, 1988 result of temporary dam; minimum gage height observed, 4.13 ft, June 21, 1988.

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, 7,720 ft³/s, Jan. 14, gage height 23.67 ft; maximum gage height, 23.80 ft, Jan. 15; minimum discharge, 41 ft³/s, Sept. 8, gage height, 6.53.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	307	340	3900	1770	3550	987	160	127	2380	332	84
2	298	251	227	3080	1060	2790	594	149	125	4420	428	65
3	781	215	175	2210	909	1920	420	121	238	5750	466	56
4	611	277	155	1620	1010	1420	398	221	710	5250	377	61
5	302	213	142	731	786	1170	1350	4430	1180	4260	288	59
6	174	149	133	482	651	805	1530	6920	2340	3560	225	49
7	134	119	132	388	583	508	1050	5990	2360	3410	182	48
8	116	118	135	590	803	390	669	3910	2230	2750	136	43
9	110	106	128	837	825	331	505	2300	2000	2110	107	49
10	107	111	127	924	655	298	408	1600	1250	1620	95	96
11	113	105	132	1270	507	279	321	1130	779	1260	94	175
12	119	122	132	4460	369	269	274	505	541	682	104	206
13	115	837	133	6830	296	259	251	391	405	527	115	191
14	108	874	128	7640	329	252	238	566	514	517	116	216
15	104	506	256	7350	380	286	225	625	1870	510	113	243
16	102	364	444	6610	593	263	207	649	1750	970	88	257
17	100	294	283	5280	1140	213	197	872	1030	2170	86	241
18	102	213	185	3800	1870	204	192	1730	549	2280	166	213
19	104	181	147	2540	2190	187	209	3790	357	2060	366	172
20	109	663	134	1650	1830	182	189	3530	227	1630	352	149
21	206	662	136	1330	3400	648	179	2370	188	1070	283	142
22	610	394	137	1220	3500	1400	173	1590	163	710	211	144
23	701	272	1140	1100	2590	984	165	1220	210	615	181	155
24	719	194	1150	694	1820	529	162	663	272	544	337	150
25	531	158	730	592	1330	339	162	442	219	436	326	153
26	767	521	455	714	698	262	165	359	197	828	269	167
27	1280	1860	293	755	600	233	155	299	174	1380	235	164
28	679	1480	2360	821	2620	217	147	253	204	1190	195	158
29	437	903	3480	711	---	751	161	205	394	1020	148	163
30	292	551	3040	2230	---	2110	158	160	1320	674	135	169
31	232	---	3730	2590	---	1700	---	145	---	479	109	---
TOTAL	10304	13020	20319	74949	35114	24749	11841	47295	23923	57062	6665	4238
MEAN	332	434	655	2418	1254	798	395	1526	797	1841	215	141
MAX	1280	1860	3730	7640	3500	3550	1530	6920	2360	5750	466	257
MIN	100	105	127	388	296	182	147	121	125	436	86	43
AC-FT	20440	25830	40300	148700	69650	49090	23490	93810	47450	113200	13220	8410
CAL YR 1988	TOTAL 152434.33			MEAN 416	MAX 4760	MIN .00	AC-FT 302400					
WTR YR 1989	TOTAL 329479			MEAN 903	MAX 7640	MIN 43	AC-FT 653500					

RED RIVER BASIN

07370000 BAYOU MACON NEAR DELHI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.13	7.63	7.70	16.44	9.72	13.71	8.74	7.21	7.07	10.75	7.69	6.85
2	7.59	7.49	7.42	15.50	8.84	15.00	8.19	7.16	7.06	14.77	7.88	6.73
3	8.47	7.39	7.27	13.25	8.65	14.14	7.87	7.04	7.41	18.69	7.97	6.67
4	8.21	7.56	7.19	10.39	8.79	12.20	7.82	7.34	8.36	19.49	7.79	6.71
5	7.61	7.38	7.13	8.39	8.48	10.07	9.18	14.23	8.99	18.81	7.58	6.69
6	7.26	7.16	7.10	8.00	8.28	8.57	9.40	19.99	10.53	17.95	7.42	6.60
7	7.10	7.03	7.09	7.81	8.17	8.04	8.82	20.18	10.57	17.62	7.29	6.60
8	7.02	7.03	7.10	8.18	8.51	7.81	8.31	18.34	10.34	16.32	7.11	6.55
9	6.99	6.97	7.07	8.56	8.54	7.69	8.04	15.45	10.02	14.34	6.98	6.61
10	6.98	6.99	7.07	8.67	8.29	7.61	7.85	12.35	9.06	12.01	6.92	6.91
11	7.01	6.97	7.09	9.16	8.04	7.56	7.66	9.36	8.47	9.58	6.91	7.26
12	7.03	7.03	7.09	15.85	7.77	7.54	7.55	8.03	8.10	8.33	6.96	7.37
13	7.01	8.52	7.09	21.49	7.60	7.51	7.49	7.82	7.85	8.08	7.02	7.32
14	6.98	8.60	7.07	23.42	7.68	7.49	7.45	8.13	8.01	8.06	7.02	7.39
15	6.96	8.03	7.46	23.75	7.79	7.58	7.42	8.24	9.84	8.05	7.00	7.47
16	6.95	7.76	7.92	23.35	8.17	7.52	7.37	8.26	9.68	8.69	6.87	7.50
17	6.94	7.60	7.57	22.37	8.93	7.39	7.34	8.60	8.79	10.25	6.86	7.46
18	6.95	7.38	7.30	20.84	9.85	7.36	7.33	9.84	8.11	10.42	7.20	7.39
19	6.96	7.28	7.15	18.78	10.29	7.31	7.37	15.32	7.74	10.09	7.76	7.25
20	6.98	8.28	7.10	16.54	9.79	7.29	7.32	16.81	7.43	9.53	7.73	7.16
21	7.33	8.29	7.11	14.25	13.38	8.21	7.28	15.31	7.31	8.85	7.57	7.13
22	8.21	7.82	7.11	11.88	15.68	9.23	7.26	12.88	7.22	8.37	7.38	7.14
23	8.36	7.54	8.89	9.57	14.69	8.74	7.23	10.24	7.37	8.23	7.29	7.19
24	8.39	7.33	8.95	8.35	12.32	8.07	7.22	8.33	7.54	8.11	7.69	7.17
25	8.08	7.20	8.40	8.19	9.62	7.70	7.22	7.92	7.40	7.91	7.67	7.18
26	8.39	7.85	7.94	8.38	8.35	7.52	7.23	7.75	7.34	8.50	7.54	7.24
27	9.09	9.83	7.59	8.44	8.19	7.44	7.19	7.61	7.26	9.20	7.45	7.23
28	8.32	9.34	10.77	8.53	11.16	7.40	7.15	7.50	7.36	9.00	7.33	7.20
29	7.91	8.64	12.86	8.37	---	8.27	7.21	7.36	7.78	8.79	7.16	7.22
30	7.59	8.11	12.61	10.45	---	10.16	7.20	7.21	9.15	8.32	7.11	7.24
31	7.44	---	14.82	11.02	---	9.62	---	7.15	---	7.99	6.98	---
MAX	9.09	9.83	14.82	23.75	15.68	15.00	9.40	20.18	10.57	19.49	7.97	7.50
MIN	6.94	6.97	7.07	7.81	7.60	7.29	7.15	7.04	7.06	7.91	6.86	6.55

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 discharges. 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.--31 years (water years 1939-57, 1978-89), 424 ft³/s, 307,200 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)
Jan. 14	2230	5,980	14.70	May 19	0530	*26,200	*19.27
Mar. 30	1030	3,370	13.30	July 2	1430	15,100	17.34
May 6	1700	18,400	18.00				

Minimum discharge, 15 ft³/s, Oct. 17, gage height, 3.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	28	137	1150	2390	1190	2410	122	106	13500	88	23
2	18	25	82	994	2030	2110	1760	128	91	14200	72	20
3	19	38	65	950	1610	2340	1180	95	87	9320	65	23
4	17	37	55	850	1210	2140	765	82	99	4980	61	24
5	25	27	48	541	922	1880	484	232	143	3130	55	23
6	28	21	43	355	786	2030	385	10900	327	2160	50	19
7	22	22	41	274	694	2320	328	10100	453	1970	46	21
8	19	23	52	286	562	2450	281	3560	711	2380	42	23
9	19	24	77	322	464	1900	255	2050	865	2330	39	20
10	20	23	85	320	421	1350	230	1560	763	1590	35	25
11	20	24	128	335	400	937	212	1180	720	1030	33	28
12	19	27	127	503	392	660	185	1040	627	693	31	28
13	18	43	125	1270	557	491	160	1010	390	459	30	48
14	17	33	132	4850	889	421	153	757	343	621	28	48
15	16	46	114	5540	994	373	204	494	629	1060	25	36
16	16	72	99	4210	1170	334	296	499	948	1370	21	30
17	15	52	89	3040	1490	313	318	863	1060	1240	22	28
18	16	38	102	2200	1650	329	270	13200	1080	897	21	26
19	16	35	105	1670	1990	331	207	22400	796	568	18	25
20	16	34	88	1190	2120	301	166	9720	429	392	21	24
21	16	30	76	835	2450	287	162	4020	269	342	28	23
22	16	73	70	597	2430	353	159	2300	186	306	34	23
23	16	102	122	444	2150	425	127	1670	133	243	30	23
24	16	69	181	363	1930	447	102	1120	105	183	29	21
25	16	51	215	319	1490	407	87	698	87	142	28	20
26	18	44	229	292	1040	345	78	431	77	122	25	19
27	19	44	171	293	736	769	69	319	408	119	25	17
28	19	81	337	309	745	2130	63	248	3210	119	24	18
29	20	219	461	370	---	2600	58	192	8270	96	24	20
30	20	226	492	1310	---	3300	62	155	12900	96	23	21
31	24	---	794	2380	---	2960	---	129	---	104	23	---
TOTAL	573	1611	4942	38362	35712	38223	11216	91274	36312	65762	1096	747
MEAN	18.5	53.7	159	1237	1275	1233	374	2944	1210	2121	35.4	24.9
MAX	28	226	794	5540	2450	3300	2410	22400	12900	14200	88	48
MIN	15	21	41	274	392	287	58	82	77	96	18	17
AC-FT	1140	3200	9800	76090	70830	75820	22250	181000	72020	130400	2170	1480
CAL YR 1988	TOTAL 101250		MEAN 277		MAX 3420		MIN 13		AC-FT 200800			
WTR YR 1989	TOTAL 325830		MEAN 893		MAX 22400		MIN 15		AC-FT 646300			

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.60	3.99	6.13	11.16	12.54	11.17	12.55	5.81	5.57	16.99	5.29	3.90
2	3.62	3.90	5.21	10.89	12.19	12.26	11.91	5.90	5.33	17.15	5.02	3.77
3	3.65	4.26	4.84	10.80	11.74	12.49	11.19	5.39	5.25	15.84	4.89	3.90
4	3.58	4.24	4.64	10.58	11.24	12.30	10.37	5.18	5.45	14.22	4.81	3.95
5	3.88	3.94	4.50	9.66	10.74	12.03	9.41	7.04	6.09	13.12	4.69	3.90
6	3.98	3.72	4.38	8.51	10.44	12.19	8.77	15.08	8.23	12.31	4.60	3.75
7	3.78	3.76	4.33	7.71	10.20	12.47	8.28	16.02	9.25	12.12	4.52	3.82
8	3.66	3.82	4.58	7.84	9.78	12.58	7.79	13.38	10.23	12.53	4.44	3.89
9	3.67	3.83	5.07	8.22	9.33	12.05	7.49	12.20	10.62	12.47	4.36	3.79
10	3.70	3.83	5.21	8.21	9.04	11.42	7.19	11.68	10.38	11.71	4.28	3.97
11	3.68	3.87	5.90	8.34	8.89	10.76	6.96	11.20	10.27	10.94	4.23	4.09
12	3.65	3.94	5.89	9.48	8.82	10.10	6.66	10.99	10.00	10.18	4.15	4.09
13	3.61	4.39	5.86	11.20	9.72	9.47	6.34	10.93	8.78	9.29	4.11	4.56
14	3.57	4.13	5.96	14.10	10.66	9.04	6.25	10.35	8.39	9.94	4.07	4.56
15	3.53	4.41	5.69	14.50	10.89	8.68	6.88	9.48	9.96	11.00	3.96	4.29
16	3.51	4.98	5.45	13.82	11.18	8.34	7.95	9.49	10.79	11.46	3.82	4.14
17	3.50	4.58	5.29	13.06	11.61	8.13	8.18	10.55	11.01	11.27	3.87	4.07
18	3.51	4.27	5.51	12.36	11.79	8.30	7.67	16.50	11.04	10.68	3.82	4.02
19	3.52	4.18	5.55	11.81	12.15	8.31	6.91	18.65	10.44	9.77	3.71	3.97
20	3.53	4.17	5.27	11.19	12.28	8.01	6.42	15.93	9.04	8.83	3.84	3.95
21	3.53	4.04	5.05	10.54	12.58	7.85	6.37	13.68	7.64	8.42	4.08	3.91
22	3.52	4.98	4.94	9.90	12.57	8.50	6.33	12.44	6.66	8.06	4.25	3.90
23	3.53	5.58	5.78	9.19	12.31	9.07	5.88	11.80	5.97	7.35	4.14	3.90
24	3.54	4.93	6.60	8.60	12.09	9.22	5.51	11.08	5.56	6.63	4.09	3.84
25	3.54	4.57	7.01	8.19	11.60	8.94	5.25	10.19	5.26	6.10	4.06	3.79
26	3.61	4.42	7.18	7.91	10.97	8.44	5.09	9.09	5.07	5.82	3.98	3.73
27	3.68	4.41	6.48	7.92	10.31	10.18	4.93	8.18	7.51	5.77	3.97	3.65
28	3.66	5.11	8.27	8.10	10.33	12.28	4.80	7.40	13.12	5.78	3.95	3.71
29	3.71	7.34	9.32	8.60	---	12.71	4.70	6.73	15.47	5.43	3.93	3.78
30	3.69	7.44	9.47	11.24	---	13.25	4.78	6.28	16.85	5.42	3.92	3.81
31	3.85	---	10.43	12.53	---	13.00	---	5.91	---	5.55	3.92	---
MAX	3.98	7.44	10.43	14.50	12.58	13.25	12.55	18.65	16.85	17.15	5.29	4.56
MIN	3.50	3.72	4.33	7.71	8.82	7.85	4.70	5.18	5.07	5.42	3.71	3.65

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.

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.--Estimated daily discharges. 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.--32 years, 2,241 ft³/s, 16.02 in/yr, 1,624,000 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, 65,600 ft³/s, July 3, gage height, 41.67; maximum gage height, 41.69 ft, July 4; minimum discharge, 26 ft³/s, Oct. 25, gage height, 4.90 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	119	826	4930	5610	7510	6960	401	4460	49100	687	82
2	39	130	578	5680	5730	8390	7480	345	2780	59500	646	79
3	54	153	394	6220	5850	10200	7950	310	1660	64400	546	76
4	65	164	309	6430	6020	13500	8360	405	1260	64200	496	74
5	79	159	281	6260	6180	16200	8550	1450	1970	57200	466	74
6	86	146	261	5740	6360	15800	8370	2260	2940	47000	424	76
7	92	130	229	4960	6550	14200	7780	2440	3550	35600	370	78
8	88	114	196	4130	6640	12700	7020	2360	4340	26200	325	74
9	88	100	170	3310	6430	11600	6220	2150	6070	18800	294	74
10	85	88	165	2810	6030	10500	5270	2010	9390	14300	270	82
11	77	79	422	2600	5510	9590	4180	2410	12800	11800	261	93
12	68	84	789	4420	4830	8710	3030	e3350	12200	10400	251	106
13	63	277	998	7330	4220	7830	2050	e4300	10700	9160	232	134
14	59	328	1010	11000	3820	7030	1430	e4990	9280	8050	211	142
15	54	207	867	20000	3460	6210	1110	e5220	8210	6970	191	132
16	49	145	802	27700	3210	5270	874	5430	7160	6030	173	119
17	44	95	771	26200	3280	4350	780	6760	6110	5270	155	107
18	40	84	686	22000	3390	3510	726	9000	5080	4940	e144	96
19	37	83	590	18200	3450	2760	746	13700	4160	4620	e150	90
20	35	96	507	15600	3600	2140	773	27300	3210	4180	e139	87
21	34	113	432	13500	5020	1740	797	46800	2470	3690	e131	81
22	33	134	375	12000	6270	2170	795	52100	2070	3230	e137	75
23	32	152	434	10900	7200	2750	757	45600	1850	2840	e132	69
24	30	140	994	9870	7760	3120	600	35200	1710	2530	e116	64
25	26	134	1670	8820	8010	3250	597	25500	1540	2310	e106	61
26	43	139	2030	7650	8030	3340	553	17700	1260	2140	97	59
27	90	199	2090	6460	7890	3660	517	13400	1070	1900	90	57
28	113	648	2790	5240	7590	3920	451	11200	3330	1520	92	55
29	111	1110	3260	4450	---	4250	396	9520	10700	1140	95	54
30	110	1090	3340	4820	---	5490	340	7940	30100	859	93	54
31	111	---	3900	5340	---	6320	---	6260	---	706	87	---
TOTAL	1968	6640	32166	294570	157940	218010	95462	367811	173430	530585	7607	2504
MEAN	63.5	221	1038	9502	5641	7033	3182	11860	5781	17120	245	83.5
MAX	113	1110	3900	27700	8030	16200	8550	52100	30100	64400	687	142
MIN	26	79	165	2600	3210	1740	340	310	1070	706	87	54
AC-FT	3900	13170	63800	584300	313300	432400	189300	729600	344000	1052000	15090	4970
CFSM	.03	.12	.55	5.00	2.97	3.70	1.68	6.25	3.04	9.01	.13	.04
IN.	.04	.13	.63	5.77	3.09	4.27	1.87	7.21	3.40	10.39	.15	.05
CAL YR 1988	TOTAL 703225	MEAN 1921	MAX 16000	MIN 25	AC-FT 1395000	CFSM 1.01	IN. 13.78					
WTR YR 1989	TOTAL 1888693	MEAN 5175	MAX 64400	MIN 26	AC-FT 3746000	CFSM 2.72	IN. 37.00					

e Estimated.

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.16	6.34	12.09	25.68	27.52	29.40	28.83	14.40	27.38	39.50	15.71	5.86
2	5.24	6.45	10.66	26.71	27.33	30.05	29.26	13.68	25.17	40.81	15.05	5.80
3	5.50	6.67	9.33	27.48	27.33	31.25	29.66	12.96	22.31	41.46	14.30	5.76
4	5.70	6.82	8.42	27.85	27.54	33.15	30.02	12.59	19.99	41.60	13.62	5.72
5	5.89	6.77	8.04	27.71	27.81	34.45	30.22	15.07	20.27	41.03	12.98	5.73
6	5.98	6.65	7.83	27.08	28.08	34.55	30.17	18.07	22.20	39.98	12.34	5.76
7	6.08	6.47	7.56	25.96	28.27	34.03	29.84	18.71	23.08	38.63	11.72	5.79
8	6.04	6.28	7.25	24.40	28.32	33.33	29.28	18.43	24.61	37.15	11.20	5.73
9	6.03	6.12	6.96	22.31	28.14	32.62	28.80	17.69	27.19	35.63	10.56	5.73
10	5.99	5.95	6.86	20.29	27.75	31.92	28.09	17.17	30.54	34.22	9.94	5.81
11	5.88	5.81	9.03	19.40	27.09	31.26	26.86	18.61	32.97	32.93	9.42	5.98
12	5.74	5.87	11.76	24.86	26.07	30.64	25.14	21.82	32.95	31.86	8.98	6.13
13	5.65	7.72	12.71	29.31	24.83	30.02	23.01	24.50	32.09	31.04	8.55	6.48
14	5.58	8.87	12.83	31.77	23.76	29.38	21.15	26.11	31.19	30.30	8.14	6.62
15	5.49	7.74	12.25	35.16	22.72	28.67	20.19	26.67	30.49	29.59	7.75	6.54
16	5.40	6.95	12.10	36.84	21.74	27.84	19.69	27.08	29.76	28.81	7.39	6.38
17	5.31	6.23	11.81	36.74	21.93	26.89	19.30	28.49	28.73	28.19	7.08	6.22
18	5.23	5.92	11.26	36.09	22.44	25.80	18.94	30.89	27.49	27.68	---	6.07
19	5.16	5.88	10.61	35.34	22.42	24.62	18.62	33.43	25.97	27.11	---	5.96
20	5.12	6.02	10.01	34.56	22.82	23.48	18.36	36.32	23.99	26.49	---	5.92
21	5.09	6.24	9.45	33.75	26.30	22.66	18.10	39.10	21.48	25.75	---	5.85
22	5.08	6.48	8.98	32.93	28.08	23.07	17.83	39.84	19.36	24.88	---	5.75
23	5.06	6.69	9.13	32.16	28.93	23.79	17.54	39.35	18.15	23.94	---	5.66
24	5.01	6.63	12.34	31.44	29.48	23.94	17.22	38.19	17.53	23.04	---	5.56
25	4.90	6.52	15.49	30.72	29.74	23.84	16.90	36.74	16.99	22.23	---	5.51
26	5.25	6.55	16.96	29.91	29.76	23.42	16.58	35.24	16.32	21.48	6.11	5.48
27	5.96	7.02	17.23	28.94	29.67	23.45	16.21	33.78	16.50	20.55	5.99	5.44
28	6.51	10.29	19.89	27.72	29.48	24.12	15.81	32.43	23.48	19.43	5.99	5.41
29	6.35	13.13	21.83	26.37	---	25.30	15.39	31.29	31.88	18.25	6.04	5.40
30	6.30	13.25	21.85	26.44	---	27.56	14.89	30.24	36.85	17.22	6.02	5.39
31	6.28	---	23.39	27.23	---	28.32	---	29.02	---	16.34	5.94	---
MAX	6.51	13.25	23.39	36.84	29.76	34.55	30.22	39.84	36.85	41.60	---	6.62
MIN	4.90	5.81	6.86	19.40	21.74	22.66	14.89	12.59	16.32	16.34	---	5.39

RED RIVER BASIN

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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.--Water-stage recorder with a data-collection platform and rain gage, concrete control. Datum of gage is 76.69 ft above National Geodetic Vertical Datum of 1929. See WRD-LA-88-1 for history of changes prior to Oct. 1, 1988.

REMARKS.--No estimated daily discharges. Records good. No rainfall record.

AVERAGE DISCHARGE.--47 years, 63.4 ft³/s, 16.88 in/yr, 45,930 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 23,500 ft³/s, Apr. 29, 1953, gage height, 18.03 ft; maximum gage height, 18.58 ft, Nov. 16, 1987; minimum discharge, 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)
Jan. 13	0600	1,040	9.05	June 29	0230	5,200	13.46
Feb. 21	0330	2,200	11.07	July 2	0800	1,430	10.10
May 18	1800	*7,350	*14.62				

Minimum discharge, 15 ft³/s, Oct. 14, 15, 16, 17, 19, 23; minimum gage height, 2.89 ft, Oct. 14, 19, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	29	21	258	45	62	66	30	31	601	33	25
2	31	25	21	89	43	211	57	27	31	1010	32	24
3	28	23	21	80	50	156	53	25	47	298	38	23
4	21	24	21	62	50	82	48	42	42	348	33	23
5	19	23	21	53	52	69	46	63	83	131	30	22
6	18	20	21	50	52	64	42	42	77	102	29	22
7	17	20	21	47	45	56	39	31	44	86	42	23
8	17	20	32	53	45	51	39	27	167	73	127	22
9	18	19	47	58	49	49	47	27	81	66	45	22
10	20	18	45	66	44	47	42	28	50	59	34	28
11	19	18	177	102	42	45	38	26	93	55	31	32
12	18	26	63	577	43	44	38	24	58	51	30	25
13	17	56	42	929	48	42	35	26	45	48	29	23
14	16	32	36	427	45	40	37	26	104	50	29	22
15	16	26	131	179	42	39	40	26	260	49	28	22
16	16	23	127	100	39	38	37	156	93	46	28	22
17	16	23	54	78	39	37	34	523	55	43	28	21
18	17	22	41	187	40	37	32	3330	46	45	27	21
19	16	23	38	177	41	36	33	1730	41	43	30	20
20	18	27	35	113	284	41	33	231	37	41	31	20
21	17	24	47	83	1080	67	30	106	35	37	30	20
22	16	21	48	67	153	101	29	84	34	35	29	21
23	18	21	55	60	81	69	28	75	33	34	31	20
24	20	20	60	58	67	53	28	62	31	36	35	20
25	18	20	46	55	60	46	27	53	30	35	36	20
26	41	23	38	50	57	48	27	47	97	35	28	22
27	54	23	42	48	55	182	26	42	478	34	26	21
28	46	21	417	46	65	83	27	39	1840	31	25	21
29	41	20	115	45	---	392	30	37	3040	32	32	24
30	27	21	74	50	---	292	32	34	1420	32	28	25
31	30	---	271	52	---	92	---	32	---	31	26	---
TOTAL	718	711	2228	4299	2756	2671	1120	7051	8523	3617	1060	676
MEAN	23.2	23.7	71.9	139	98.4	86.2	37.3	227	284	117	34.2	22.5
MAX	54	56	417	929	1080	392	66	3330	3040	1010	127	32
MIN	16	18	21	45	39	36	26	24	30	31	25	20
AC-FT	1420	1410	4420	8530	5470	5300	2220	13990	16910	7170	2100	1340
CFSM	.45	.46	1.41	2.72	1.93	1.69	.73	4.46	5.57	2.29	.67	.44
IN.	.52	.52	1.63	3.14	2.01	1.95	.82	5.14	6.22	2.64	.77	.49
CAL YR 1988	TOTAL 18631		MEAN 50.9		MAX 516		MIN 14		AC-FT 36950		CFSM 1.00	
WTR YR 1989	TOTAL 35430		MEAN 97.1		MAX 3330		MIN 16		AC-FT 70280		CFSM 1.90	
											IN. 13.59	
											IN. 25.84	

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.15	3.13	3.00	4.64	3.29	3.42	3.45	3.13	3.10	6.73	3.16	3.05
2	3.14	3.07	2.99	3.59	3.27	4.26	3.39	3.08	3.11	8.74	3.15	3.04
3	3.10	3.05	2.99	3.54	3.33	3.93	3.35	3.06	3.27	4.78	3.21	3.03
4	3.00	3.06	3.00	3.42	3.32	3.55	3.31	3.23	3.23	5.20	3.15	3.02
5	2.96	3.04	2.99	3.35	3.35	3.47	3.29	3.43	3.50	3.79	3.13	3.01
6	2.95	2.99	2.99	3.33	3.34	3.43	3.25	3.25	3.47	3.66	3.10	3.00
7	2.93	2.99	3.00	3.30	3.29	3.38	3.23	3.13	3.25	3.58	3.21	3.02
8	2.93	2.99	3.15	3.35	3.28	3.34	3.22	3.08	3.94	3.50	3.77	3.01
9	2.95	2.98	3.30	3.39	3.32	3.32	3.31	3.09	3.51	3.45	3.28	3.00
10	2.99	2.97	3.28	3.45	3.27	3.30	3.26	3.09	3.30	3.40	3.17	3.08
11	2.97	2.97	4.03	3.65	3.25	3.28	3.22	3.07	3.58	3.37	3.14	3.14
12	2.95	3.09	3.43	6.65	3.27	3.27	3.21	3.04	3.36	3.34	3.12	3.05
13	2.93	3.40	3.26	8.62	3.31	3.26	3.19	3.08	3.25	3.31	3.11	3.03
14	2.91	3.17	3.19	5.73	3.28	3.24	3.20	3.07	3.60	3.33	3.11	3.01
15	2.91	3.09	3.76	4.04	3.26	3.22	3.24	3.08	4.47	3.32	3.10	3.02
16	2.91	3.05	3.77	3.65	3.23	3.21	3.20	3.95	3.57	3.30	3.10	3.01
17	2.91	3.05	3.36	3.53	3.22	3.20	3.17	6.51	3.34	3.26	3.09	2.99
18	2.94	3.03	3.25	4.08	3.24	3.21	3.15	10.73	3.26	3.28	3.09	2.99
19	2.91	3.06	3.21	4.03	3.25	3.19	3.16	9.90	3.22	3.27	3.12	2.99
20	2.95	3.12	3.18	3.71	4.68	3.24	3.16	4.35	3.18	3.24	3.14	2.98
21	2.93	3.07	3.30	3.56	8.48	3.45	3.13	3.61	3.15	3.21	3.13	2.98
22	2.91	3.03	3.31	3.46	3.91	3.65	3.11	3.49	3.14	3.18	3.11	2.99
23	2.96	3.02	3.37	3.41	3.55	3.47	3.10	3.44	3.13	3.18	3.14	2.98
24	2.98	3.00	3.41	3.39	3.46	3.35	3.09	3.36	3.11	3.19	3.17	2.98
25	2.95	3.00	3.29	3.37	3.41	3.30	3.09	3.29	3.09	3.18	3.19	2.98
26	3.26	3.05	3.22	3.33	3.38	3.31	3.08	3.24	3.50	3.18	3.09	3.00
27	3.37	3.06	3.26	3.31	3.37	4.06	3.06	3.20	5.70	3.17	3.07	3.00
28	3.30	3.03	5.70	3.29	3.44	3.55	3.08	3.18	10.64	3.14	3.05	2.99
29	3.27	3.01	3.72	3.28	---	5.61	3.13	3.16	11.79	3.14	3.15	3.04
30	3.11	3.00	3.50	3.33	---	4.83	3.15	3.13	9.63	3.15	3.10	3.05
31	3.14	---	4.76	3.34	---	3.60	---	3.11	---	3.14	3.07	---
MAX	3.37	3.40	5.70	8.62	8.48	5.61	3.45	10.73	11.79	8.74	3.77	3.14
MIN	2.91	2.97	2.99	3.28	3.22	3.19	3.06	3.04	3.09	3.14	3.05	2.98

RED RIVER BASIN

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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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 KF AGAR (COLS. PER 100 ML)
OCT 07...	1415	17	42	7.14	16.0	20	4.9	9.2	0.7	84	260
JAN 27...	1120	48	38	6.81	9.5	50	8.2	9.2	1.7	78	240
APR 28...	1045	27	37	6.71	21.0	50	4.5	8.4	1.7	62	430
JUL 28...	0945	31	40	7.12	23.5	40	6.9	7.2	0.5	120	400

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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)
OCT 07...	8	1.8	0.86	4.7	1.5	12	4.0	4.2	<0.1	22	45
JAN 27...	8	1.9	0.80	3.9	1.2	10	2.4	3.9	<0.1	18	34
APR 28...	8	1.9	0.85	4.3	1.3	14	1.0	3.9	0.1	19	44
JUL 28...	8	2.0	0.77	4.2	1.2	11	1.7	4.0	<0.1	20	35

DATE	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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC DIS- SOLVED (µG/L AS AS)
OCT 07...	47	<0.01	<0.10	0.01	<0.01	0.3	0.04	0.04	0.01	20	<1
JAN 27...	37	<0.01	<0.10	0.03	0.02	0.3	0.02	0.02	<0.01	70	<1
APR 28...	40	<0.01	<0.10	0.03	0.03	0.7	0.03	0.01	<0.01	30	<1
JUL 28...	41	<0.01	<0.10	<0.01	<0.01	<0.2	0.07	0.01	0.01	30	<1

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

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)
OCT 07...	25	<0.5	<1	<1	<3	1	170	<5	<4
JAN 27...	31	<0.5	<1	<1	<3	16	190	6	<4
APR 28...	31	<0.5	<1	<1	<3	5	320	1	<4
JUL 28...	23	<0.5	<1	<1	<3	1	270	1	<4

DATE	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)
OCT 07...	31	<0.1	<10	<1	<1	<1	18	<6	<3
JAN 27...	72	<0.1	<10	2	<1	1	19	<6	10
APR 28...	66	<0.1	<10	2	<1	<1	19	<6	9
JUL 28...	6	<0.1	<10	1	<1	<1	16	<6	<3

DATE	GROSS ALPHA, DIS- SOLVED (µG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (µG/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 NATURAL DIS- SOLVED (µG/L AS U)
APR 28...	<0.4	1.0	2.4	0.9	1.9	0.7	0.09	0.02

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 07...	16	0.73	93
JAN 27...	21	2.7	86
APR 28...	16	1.2	93
JUL 28...	9	0.75	95

< 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 sec.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. August 1978 to July 27, 1988, water-stage recorder at site 300 ft upstream at same datum.

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

AVERAGE DISCHARGE.--11 years, 61.7 ft³/s, 23.74 in/yr, 44,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft³/s, Nov. 16, 1987, gage height, 14.93 ft; minimum discharge, 8.2 ft³/s, part of each day 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)
Jan. 11	1915	3,340	9.34	Feb. 20	2100	4,240	10.16
Jan. 12	1815	4,370	10.27	May 18	1515	*4,850	*10.66

Minimum daily discharge, 17 ft³/s, Oct. 13-19, 23, June 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	24	26	71	40	79	52	26	28	456	28	20
2	84	21	26	61	38	332	47	23	31	142	32	20
3	30	20	26	52	43	93	43	22	36	97	28	20
4	21	21	25	40	41	76	40	81	32	91	26	19
5	19	22	25	35	46	79	38	52	42	60	25	19
6	18	19	25	34	48	64	35	29	31	75	24	19
7	18	19	25	33	43	56	34	24	29	99	25	19
8	18	18	29	37	42	52	44	23	100	59	26	19
9	20	19	30	62	43	49	83	26	37	99	23	19
10	20	19	56	64	41	46	41	24	30	47	23	19
11	19	18	161	851	39	44	36	21	29	41	23	19
12	18	23	45	1640	41	42	34	21	26	38	23	20
13	17	e80	34	703	42	40	33	21	25	36	22	19
14	17	e55	30	207	40	39	32	20	47	37	23	19
15	17	e30	173	120	37	38	31	19	46	37	23	19
16	17	e28	71	87	36	37	30	155	29	34	23	19
17	17	e27	39	72	37	37	29	96	25	55	24	19
18	17	e25	34	589	38	36	28	2790	23	48	22	19
19	17	e26	31	135	37	36	27	348	21	35	23	19
20	18	e30	31	92	1000	39	27	117	20	48	22	19
21	18	e28	44	72	576	45	26	81	20	33	22	19
22	18	e27	36	63	106	46	25	62	19	31	22	19
23	e17	e27	62	58	79	44	25	55	18	30	22	19
24	e18	e27	46	54	69	39	24	49	18	30	22	19
25	e20	e26	35	50	65	36	23	45	17	29	29	20
26	e45	e28	31	47	62	37	23	41	18	29	22	20
27	e30	e28	32	45	60	62	22	38	33	28	21	19
28	e50	e27	246	43	67	40	23	34	328	28	21	19
29	e40	e28	55	42	---	675	24	32	662	31	21	21
30	e30	28	84	45	---	182	38	31	232	30	21	21
31	e31	---	151	41	---	67	---	29	---	26	21	---
TOTAL	839	818	1764	5545	2856	2587	1017	4435	2052	1959	732	580
MEAN	27.1	27.3	56.9	179	102	83.5	33.9	143	68.4	63.2	23.6	19.3
MAX	100	80	246	1640	1000	675	83	2790	662	456	32	21
MIN	17	18	25	33	36	36	22	19	17	26	21	19
AC-FT	1660	1620	3500	11000	5660	5130	2020	8800	4070	3890	1450	1150
CFSM	.77	.77	1.61	5.07	2.89	2.36	.96	4.05	1.94	1.79	.67	.55
IN.	.88	.86	1.86	5.84	3.01	2.73	1.07	4.67	2.16	2.06	.77	.61
CAL YR 1988	TOTAL 14994	MEAN 41.0	MAX 489	MIN 16	AC-FT 29740	CFSM 1.16	IN. 15.80					
WTR YR 1989	TOTAL 25184	MEAN 69.0	MAX 2790	MIN 17	AC-FT 49950	CFSM 1.95	IN. 26.54					

e Estimated.

RED RIVER BASIN

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.72	1.92	1.96	2.51	2.15	2.65	2.38	2.02	2.05	3.96	1.80	1.66
2	2.62	1.87	1.95	2.41	2.14	3.89	2.32	1.97	2.10	2.93	1.85	1.66
3	2.01	1.86	1.95	2.31	2.20	2.78	2.27	1.96	2.18	2.57	1.80	1.65
4	1.87	1.86	1.94	2.15	2.17	2.63	2.24	2.48	2.12	2.54	1.76	1.65
5	1.83	1.89	1.93	2.10	2.24	2.66	2.20	2.36	2.25	2.24	1.74	1.64
6	1.82	1.83	1.93	2.07	2.27	2.51	2.17	2.06	2.10	2.33	1.74	1.65
7	1.81	1.82	1.93	2.06	2.20	2.43	2.15	2.00	2.06	2.58	1.75	1.64
8	1.81	1.82	2.00	2.12	2.19	2.38	2.24	1.97	2.80	2.19	1.76	1.64
9	1.84	1.83	2.02	2.42	2.20	2.34	2.65	2.02	2.19	2.57	1.72	1.64
10	1.84	1.82	2.26	2.43	2.17	2.31	2.25	1.99	2.09	2.07	1.72	1.65
11	1.83	1.81	3.14	4.22	2.15	2.29	2.18	1.95	2.07	1.99	1.72	1.65
12	1.81	1.91	2.22	6.30	2.17	2.25	2.15	1.93	2.02	1.94	1.71	1.65
13	1.80	---	2.07	5.11	2.18	2.24	2.13	1.94	2.00	1.92	1.70	1.64
14	1.80	---	2.02	3.47	2.15	2.22	2.12	1.93	2.29	1.93	1.71	1.64
15	1.80	---	3.05	2.93	2.12	2.20	2.11	1.91	2.31	1.94	1.71	1.65
16	1.80	---	2.49	2.66	2.10	2.19	2.09	2.70	2.06	1.89	1.72	1.65
17	1.79	---	2.15	2.53	2.12	2.18	2.06	2.70	2.00	2.15	1.72	1.64
18	1.80	---	2.07	4.39	2.13	2.18	2.05	7.83	1.97	2.07	1.70	1.64
19	1.80	---	2.03	3.03	2.12	2.17	2.04	4.01	1.94	1.90	1.71	1.64
20	1.82	---	2.03	2.70	4.40	2.22	2.04	2.97	1.92	2.07	1.71	1.63
21	1.81	---	2.21	2.52	4.43	2.29	2.02	2.67	1.91	1.86	1.69	1.63
22	1.80	---	2.11	2.44	2.88	2.31	2.01	2.49	1.90	1.84	1.69	1.64
23	---	---	2.42	2.37	2.66	2.28	2.01	2.41	1.89	1.83	1.70	1.65
24	---	---	2.23	2.33	2.57	2.21	2.00	2.35	1.88	1.83	1.70	1.65
25	---	---	2.08	2.29	2.52	2.18	1.98	2.29	1.87	1.82	1.81	1.65
26	---	---	2.04	2.25	2.50	2.18	1.97	2.24	1.88	1.82	1.69	1.66
27	---	---	2.05	2.22	2.47	2.48	1.96	2.20	2.12	1.79	1.68	1.65
28	---	---	3.54	2.20	2.54	2.24	1.98	2.15	3.78	1.79	1.69	1.64
29	---	1.99	2.35	2.19	---	4.77	1.99	2.12	4.70	1.83	1.68	1.67
30	---	1.98	2.56	2.23	---	3.30	2.17	2.09	3.36	1.82	1.68	1.68
31	---	---	3.14	2.18	---	2.54	---	2.06	---	1.76	1.67	---
MAX	---	---	3.54	6.30	4.43	4.77	2.65	7.83	4.70	3.96	1.85	1.68
MIN	---	---	1.93	2.06	2.10	2.17	1.96	1.91	1.87	1.76	1.67	1.63

LOWER MISSISSIPPI RIVER BASIN

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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 01100. Extremes for current year for water temperatures are not published because the number of missing days of record exceeded 20 percent of the year.

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, 32.0 °C July 24, 1983; 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, 125 mg/L Mar. 1-10, 1989.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 533 microsiemens Aug. 10; minimum daily, 194 microsiemens May 19.

CHLORIDE: Maximum daily, 39 mg/L Nov. 17, 19-22; minimum daily, 9.1 mg/L Mar. 11.

DISSOLVED SOLIDS: Maximum, 294 mg/L Nov. 11-20; minimum, 125 mg/L Mar. 1-10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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												
12...	1100	149000	460	7.63	21.0	5	35	<1	8.3	0.8	13	140
NOV												
14...	1245	145000	507	7.69	18.0	10	11	<1	9.7	--	36	700
DEC												
22...	1330	257000	352	7.67	8.5	20	36	<1	10.9	1.1	24	850
JAN												
17...	1445	739000	284	7.24	7.5	30	80	<1	10.5	1.4	18	1000
FEB												
15...	1030	596000	303	7.74	7.0	30	81	<1	10.8	2.3	13	1500
MAR												
14...	1100	1120000	228	7.48	9.5	30	18	<1	10.2	2.1	12	480
30...	1145	890000	302	7.80	14.0	20	50	<1	9.8	2.2	13	640
MAY												
19...	1130	689000	301	7.67	19.5	15	55	<1	8.2	1.1	28	1800
JUN												
26...	1215	754000	334	7.50	26.5	20	61	<1	6.7	0.7	37	800
JUL												
11...	1300	844000	289	7.60	27.5	30	35	<1	6.0	0.5	32	420
AUG												
08...	1500	348000	382	7.37	29.5	20	26	<1	7.8	1.5	30	K100
SEP												
11...	1100	300000	448	7.72	30.0	15	10	<1	7.5	1.7	21	K80

< 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).

LOWER MISSISSIPPI RIVER BASIN

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET 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 12...	K38	K10	150	37	15	32	3.6	112	66	26	0.2	4.0
NOV 14...	K25	120	180	40	19	34	4.1	133	76	27	--	4.1
DEC 22...	650	K20	140	35	12	18	2.7	99	42	17	0.1	6.0
JAN 17...	120	670	110	29	9.0	--	--	87	35	16	--	5.1
FEB 15...	130	140	120	31	9.1	13	2.4	79	40	14	0.1	5.6
MAR 14...	K40	K50	87	24	6.6	--	--	63	29	9.2	--	5.4
30...	K15	65	120	31	9.3	14	2.6	82	39	14	0.1	5.6
MAY 19...	K40	330	130	33	12	--	--	88	37	12	--	4.7
JUN 26...	K20	K60	120	33	9.3	19	2.7	90	35	22	0.2	5.0
JUL 11...	K10	K76	100	28	7.7	--	--	86	39	17	--	5.7
AUG 08...	K8	K10	140	38	11	22	3.2	104	46	20	0.2	3.2
SEP 11...	K4	58	150	39	12	--	--	105	41	32	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (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- PHOROUS TOTAL (MG/L AS P)
OCT 12...	263	255	88	0.01	<0.01	0.6	0.62	--	0.05	0.8	0.6	0.20
NOV 14...	--	--	76	0.01	--	0.58	--	--	--	--	0.50	0.20
DEC 22...	188	191	83	0.02	0.01	0.8	0.89	0.09	0.08	0.8	0.8	0.14
JAN 17...	--	--	201	0.04	--	0.92	--	--	--	--	0.35	0.44
FEB 15...	168	161	150	0.03	0.02	1.2	1.2	0.07	0.04	1.1	0.6	0.24
MAR 14...	--	--	80	0.02	--	0.94	--	--	--	--	0.33	0.18
30...	172	167	95	0.04	0.03	1.1	1.1	0.09	0.05	0.6	0.6	0.09
MAY 19...	--	--	157	0.01	--	1.3	--	--	--	--	0.35	0.31
JUN 26...	193	183	118	0.01	<0.01	1.2	1.3	0.03	0.01	0.4	0.4	0.10
JUL 11...	--	--	80	0.01	--	0.81	--	--	--	--	0.66	0.23
AUG 08...	218	205	9	<0.01	<0.01	0.6	0.59	0.02	0.03	0.7	0.3	0.19
SEP 11...	--	--	71	0.01	--	0.57	--	--	--	--	0.43	0.20

< 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).

LOWER MISSISSIPPI RIVER BASIN

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07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (MG/L AS AL)	ARSENIC TOTAL (MG/L AS AS)	ARSENIC DIS- SOLVED (MG/L AS AS)	BARIUM, DIS- SOLVED (MG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (MG/L AS BE)	BERYL- LIUM, DIS- SOLVED (MG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (MG/L AS CD)	CADMIUM DIS- SOLVED (MG/L AS CD)	CHRO- MIUM, DIS- SOLVED (MG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (MG/L AS CR)
OCT 12...	0.16	0.13	10	2	<1	64	<10	<0.5	<1	1	<1	4
NOV 14...	--	--	--	2	1	--	<10	<10	<1	<1	--	10
DEC 22...	0.08	0.06	--	1	1	--	<10	<0.5	1	<1	--	3
JAN 17...	--	--	--	4	<1	--	<10	<10	1	<1	--	<10
FEB 15...	0.05	0.04	40	2	1	45	<10	<0.5	1	<1	<1	7
MAR 14...	--	--	--	2	<1	--	<10	<10	4	<1	--	<10
30...	0.05	0.04	20	1	1	49	<10	<0.5	<1	<1	<1	3
MAY 19...	--	--	--	4	<1	--	<10	<10	1	<1	--	<10
JUN 26...	0.04	0.05	--	--	1	--	<10	<0.5	1	<1	--	8
JUL 11...	--	--	--	4	1	--	<10	<10	1	<1	--	<10
AUG 08...	0.07	0.04	<10	2	1	58	<10	<0.5	<1	<1	<1	3
SEP 11...	--	--	--	3	2	--	<10	<10	<1	<1	--	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (MG/L AS CR)	COBALT, DIS- SOLVED (MG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (MG/L AS CU)	COPPER, DIS- SOLVED (MG/L AS CU)	IRON, DIS- SOLVED (MG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (MG/L AS PB)	LEAD, DIS- SOLVED (MG/L AS PB)	LITHIUM DIS- SOLVED (MG/L AS LI)	MANGA- NESE, DIS- SOLVED (MG/L AS MN)	MERCURY DIS- SOLVED (MG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (MG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (MG/L AS MO)
OCT 12...	<1	<3	13	13	7	<5	6	18	2	<0.1	0.1	<10
NOV 14...	<1	--	9	5	10	<5	<5	--	--	0.1	<0.1	--
DEC 22...	<1	--	8	3	67	<5	<5	--	--	<0.1	0.1	--
JAN 17...	<1	--	10	4	30	10	<5	--	--	<0.1	<0.1	--
FEB 15...	<1	<3	11	4	43	<5	<5	11	4	<0.1	<0.1	<10
MAR 14...	<1	--	10	3	40	5	<5	--	--	<0.1	<0.1	--
30...	<1	<3	8	8	36	7	<5	7	5	<0.1	<0.1	<10
MAY 19...	<1	--	20	6	50	30	<5	--	--	<0.1	<0.1	--
JUN 26...	4	--	13	4	14	15	<1	--	--	<0.1	<0.1	--
JUL 11...	<1	--	30	10	10	20	1	--	--	<0.1	<0.1	--
AUG 08...	2	<3	10	4	15	7	<1	11	4	<0.1	<0.1	<10
SEP 11...	<1	--	8	5	<25	20	<1	--	--	<0.1	<0.1	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

[illegible]

LOWER MISSISSIPPI RIVER BASIN

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07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ENDO-SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA- THION, TOTAL (µG/L)	METH- OXY- CHLOR, TOTAL (µG/L)	METHYL PARA- THION, TOTAL (µG/L)	METHYL TRI- THION, TOTAL (µG/L)	MIREX, TOTAL (µG/L)
OCT 12...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 14...	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 11...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 08...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 11...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	PARA- THION, TOTAL (µG/L)	PER- THANE TOTAL (µG/L)	TOX- APHENE, TOTAL (µG/L)	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 12...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	111	44700	97
NOV 14...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	69	27000	99
DEC 22...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	129	89500	84
JAN 17...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	351	700000	69
FEB 15...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	238	383000	73
MAR 14...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	213	644000	58
30...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	202	485000	62
MAY 19...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	246	458000	73
JUN 26...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	182	371000	80
JUL 11...	0.18	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	169	385000	77
AUG 08...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	136	128000	89
SEP 11...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	85	68800	87

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

LOWER MISSISSIPPI RIVER BASIN

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	500	459	350	287	248	225	288	297	318	302	333	375
2	477	464	351	327	248	218	290	316	---	298	328	378
3	472	465	357	337	252	211	288	317	297	243	354	381
4	478	488	352	318	259	210	282	324	313	301	365	408
5	473	489	353	318	267	202	276	258	307	306	351	423
6	473	488	346	307	272	212	276	310	310	299	371	384
7	471	489	301	293	276	212	282	333	319	298	364	383
8	462	468	300	294	276	221	282	337	304	281	370	394
9	422	469	301	296	280	226	277	348	327	274	498	405
10	421	496	301	285	276	222	278	346	306	280	533	412
11	420	---	301	280	274	222	279	369	294	274	482	422
12	448	---	301	277	280	226	286	375	295	280	469	427
13	425	505	300	274	280	230	283	376	305	282	504	412
14	427	507	300	263	271	228	287	371	301	281	301	422
15	429	507	---	259	277	221	286	359	268	278	335	436
16	390	506	---	265	289	223	283	341	313	277	358	440
17	454	496	---	273	285	219	289	328	318	276	347	423
18	454	495	---	274	284	227	294	318	329	272	328	422
19	473	495	---	219	282	226	296	---	339	275	331	413
20	476	495	---	240	276	231	298	258	348	275	334	409
21	475	503	---	238	252	233	294	275	385	267	344	409
22	500	501	332	243	242	219	297	276	379	271	311	415
23	501	502	312	250	222	230	297	283	368	275	358	442
24	472	348	297	252	224	242	296	303	353	265	336	444
25	450	349	303	249	221	251	297	308	345	289	319	414
26	459	348	340	246	219	254	297	312	331	328	366	403
27	460	347	337	245	221	259	297	319	325	312	360	396
28	396	346	316	245	222	260	297	320	328	314	387	381
29	496	346	308	247	---	276	293	311	317	321	362	370
30	494	347	317	248	---	266	294	312	297	329	384	346
31	496	---	316	248	---	287	---	316	---	321	405	---
MAX	501	507	---	337	289	287	298	376	385	329	533	444
MIN	390	346	---	219	219	202	276	194	268	243	301	346

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	11.0	10.5	7.0	14.0	20.0	24.5	26.0	28.0	30.0
2			---	10.5	11.5	7.0	14.0	20.0	---	26.5	28.5	30.5
3			---	11.0	12.0	7.0	15.5	20.0	26.0	26.0	29.0	31.0
4			---	9.0	10.0	8.5	15.0	21.0	24.0	26.0	30.0	30.0
5			---	8.5	9.0	8.5	15.0	19.0	24.0	26.0	30.0	30.0
6			---	11.0	8.5	8.5	15.0	20.0	26.0	26.0	30.0	31.0
7			---	10.0	8.0	6.0	15.0	20.5	24.0	26.0	30.0	29.0
8			---	10.0	7.0	8.0	16.0	20.0	26.5	22.5	29.0	29.5
9			---	9.0	6.5	8.0	16.0	21.0	24.5	26.0	28.0	29.0
10			---	9.0	7.0	8.5	15.0	20.5	24.5	27.0	27.5	29.5
11			---	10.0	6.5	9.0	14.0	20.0	25.0	27.5	27.5	28.0
12			---	9.5	7.0	10.0	13.0	20.0	25.0	28.0	28.0	29.0
13			---	9.0	7.0	10.0	14.0	19.5	26.0	28.0	28.0	29.0
14			---	9.0	7.0	12.0	14.0	20.0	22.0	27.0	27.5	29.0
15			---	9.0	8.0	12.0	14.0	20.0	25.0	27.0	28.0	26.0
16			---	9.0	8.0	11.0	14.0	20.0	24.0	27.5	28.0	26.0
17			---	8.0	8.0	12.5	14.0	22.0	23.0	27.0	28.0	25.5
18			---	8.0	7.0	13.0	15.0	21.0	25.0	28.0	28.0	25.0
19			---	9.0	7.5	12.0	16.0	22.0	27.0	28.0	28.0	25.5
20			---	8.0	8.0	14.0	15.0	21.0	25.0	29.0	28.0	25.5
21			---	7.0	9.5	13.0	15.0	20.0	26.5	27.5	28.5	25.0
22			13.0	7.5	7.5	11.0	15.5	21.0	26.0	27.5	29.0	25.5
23			9.0	7.5	6.5	11.0	16.5	22.0	26.0	27.0	29.0	24.0
24			12.0	8.0	6.0	12.0	17.5	22.0	26.0	26.0	29.0	23.0
25			9.0	8.0	6.5	12.0	18.0	22.0	26.5	27.0	28.5	22.5
26			11.0	8.5	7.5	13.0	19.0	23.0	26.0	26.0	29.0	22.0
27			13.0	9.0	8.0	13.0	19.0	23.0	26.0	29.0	29.5	21.5
28			11.5	8.5	7.0	15.0	19.5	23.5	26.0	27.0	30.0	22.0
29			10.0	9.0	---	14.5	20.0	24.0	26.0	28.5	29.0	21.5
30			12.0	10.0	---	14.5	20.0	24.0	26.0	28.0	30.0	23.0
31			12.0	9.0	---	14.5	---	24.0	---	28.5	30.5	---
MAX			---	11.0	12.0	15.0	20.0	24.0	27.0	29.0	30.5	31.0
MIN			---	7.0	6.0	6.0	13.0	19.0	22.0	22.5	27.5	21.5

LOWER MISSISSIPPI RIVER BASIN

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07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	27	25	14	13	11	15	10	17	20	20	28
2	34	28	24	17	14	11	15	13	---	18	18	26
3	33	27	24	21	15	9.6	15	14	16	19	19	26
4	34	28	24	19	17	9.3	15	13	18	18	18	27
5	26	28	24	20	16	9.3	14	11	18	19	17	30
6	26	27	24	19	18	10	15	15	17	18	19	27
7	25	28	18	17	16	10	16	15	16	18	17	26
8	25	27	17	17	16	13	15	15	14	17	19	28
9	25	27	18	18	16	10	14	17	16	15	20	28
10	25	28	17	17	16	9.3	14	16	16	16	18	30
11	28	---	17	16	16	9.1	16	17	15	15	21	32
12	26	---	17	15	15	10	16	18	17	17	19	30
13	26	30	17	14	15	10	15	17	18	16	18	28
14	26	30	17	14	15	9.6	15	18	18	16	16	31
15	26	30	---	14	14	11	14	19	14	16	17	35
16	23	30	---	14	15	11	14	16	17	16	20	37
17	25	39	---	15	14	11	13	16	18	14	22	34
18	26	38	---	16	15	10	12	15	17	14	18	35
19	25	39	---	12	16	10	13	---	19	17	17	33
20	26	39	---	13	18	11	13	12	23	14	14	34
21	25	39	---	12	16	11	13	12	30	14	15	33
22	31	39	18	12	13	10	13	12	30	14	14	33
23	31	35	17	14	12	11	13	13	29	16	16	32
24	27	24	15	13	11	12	13	15	26	16	15	30
25	26	26	16	12	12	13	13	16	26	18	16	28
26	27	24	18	12	12	13	13	18	28	21	21	26
27	28	24	17	12	12	13	12	19	24	20	21	27
28	23	24	16	12	12	13	12	18	24	21	25	28
29	31	24	15	13	---	14	13	17	20	21	24	24
30	30	24	15	13	---	13	13	17	18	21	29	21
31	30	---	15	13	---	15	---	17	---	19	29	---
MAX	34	39	---	21	18	15	16	19	30	21	29	37
MIN	23	24	---	12	11	9.1	12	10	14	14	14	21

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	273	01-10	161
11-20	261	11-20	165
21-31	273	21-30	173
NOV			
01-10	276	01-10	179
11-20	294	11-20	196
21-30	232	21-31	175
DEC			
01-10	206	01-10	178
11-20	176	11-20	176
21-31	186	21-30	197
JAN			
01-10	176	01-10	173
11-20	161	11-20	166
21-31	144	21-31	168
FEB			
01-10	164	01-10	203
11-20	171	11-20	201
21-28	131	21-31	214
MAR			
01-10	125	01-10	234
11-20	133	11-20	241
21-31	140	21-30	231
APR			
MAY			
JUN			
JUL			
AUG			
SEP			

LOWER MISSISSIPPI RIVER BASIN

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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										
12...	1445	509	7.78	22.0	5	27	<1	8.0	26	1.0
NOV										
15...	0930	505	8.21	18.5	15	5.5	<1	8.2	35	0.6
DEC										
22...	1200	353	7.50	8.5	20	65	<1	10.7	35	2.2
JAN										
18...	0945	299	7.43	8.5	30	75	<1	10.2	19	2.2
FEB										
15...	1445	297	7.80	8.0	30	65	<1	10.7	19	1.9
MAR										
14...	1600	229	7.47	9.5	20	16	<1	8.8	12	0.1
APR										
13...	0930	287	7.58	14.0	20	55	<1	9.2	<10	2.3
MAY										
18...	1530	336	7.80	20.0	15	70	<1	7.8	58	1.1
JUN										
27...	1030	343	7.63	26.5	20	55	<1	6.9	34	1.0
JUL										
12...	0930	297	7.69	28.0	15	35	<1	6.2	31	0.9
AUG										
09...	1115	383	7.72	29.5	15	5.5	<1	7.1	20	1.0
SEP										
08...	0930	449	7.90	30.0	15	12	<1	7.6	19	1.3

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS TOTAL (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT										
12...	11000	--	160	38	15	116	65	37	48	0.01
NOV										
15...	K12000	K2600	170	38	18	121	73	37	37	0.01
DEC										
22...	4800	3400	130	34	12	95	40	22	91	0.02
JAN										
18...	--	--	110	29	9.1	87	35	17	205	0.04
FEB										
15...	5900	410	120	31	9.3	78	37	16	124	0.02
MAR										
14...	3000	230	83	23	6.3	63	29	9.9	95	0.02
APR										
13...	590	K30	110	29	9.1	85	35	17	122	0.03
MAY										
18...	2100	1000	120	30	12	87	46	18	142	0.01
JUN										
27...	1400	110	120	33	9.0	91	37	22	148	0.01
JUL										
12...	1800	310	100	28	7.7	86	35	19	92	0.01
AUG										
09...	6800	1800	140	37	12	108	46	25	89	0.01
SEP										
08...	K1200	K430	160	41	13	110	64	33	108	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 colony count).

LOWER MISSISSIPPI RIVER BASIN

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07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)
OCT 12...	0.75	0.48	0.13	2	1	<10	<10	<1	<1	<10
NOV 15...	0.60	0.58	0.16	2	1	<10	<10	<1	<1	10
DEC 22...	0.79	0.74	0.26	2	<1	<10	<10	1	<1	<10
JAN 18...	0.98	0.45	0.39	4	<1	<10	<10	1	<1	<10
FEB 15...	1.1	0.43	0.31	3	<1	<10	<10	<1	<1	<10
MAR 14...	0.92	0.35	0.24	2	<1	--	<10	--	1	--
APR 13...	1.3	0.44	0.27	3	<1	<10	<10	2	<1	<10
MAY 18...	1.4	<0.20	0.29	3	<1	<10	<10	1	<1	<10
JUN 27...	1.2	0.42	0.26	3	<1	<10	<10	<1	<1	<10
JUL 12...	0.83	0.47	0.22	3	1	<10	<10	<1	<1	<10
AUG 09...	0.62	0.36	0.20	4	1	<10	<10	<1	<1	<10
SEP 08...	0.51	0.22	0.20	3	1	<10	<10	<1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)
OCT 12...	2	10	3	10	10	<5	<0.1	<0.1	<1	<1
NOV 15...	<1	6	4	30	<5	<5	<0.1	<0.1	2	<1
DEC 22...	<1	10	5	20	9	<5	<0.1	<0.1	8	<1
JAN 18...	<1	6	3	70	<5	<5	<0.1	<0.1	4	2
FEB 15...	<1	9	1	40	10	<5	0.1	<0.1	7	<1
MAR 14...	<1	--	3	60	--	<5	<0.1	<0.1	--	<1
APR 13...	<1	20	4	40	30	<5	<0.1	<0.1	10	2
MAY 18...	<1	10	4	30	20	<5	<0.1	<0.1	10	3
JUN 27...	2	70	4	<10	160	<5	<0.1	<0.1	6	<1
JUL 12...	1	30	5	10	30	<1	<0.1	0.1	10	2
AUG 09...	<1	9	5	10	8	<1	<0.1	0.1	5	2
SEP 08...	1	5	3	<25	6	<1	<0.1	<0.1	4	<1

< 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 1988 TO SEPTEMBER 1989

DATE	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 12...	<1	<1	2	40	<10	4.7	<0.01	<1	2
NOV 15...	<1	<1	<1	20	<10	4.8	<0.01	2	<1
DEC 22...	<1	<1	1	30	<10	5.7	<0.01	<1	<1
JAN 18...	<1	<1	<1	20	<10	7.8	<0.01	3	2
FEB 15...	<1	<1	<1	40	<10	5.6	<0.01	2	2
MAR 14...	<1	<1	<1	--	<10	3.9	<0.01	2	2
APR 13...	<1	<1	<1	50	<10	6.4	<0.01	<1	2
MAY 18...	<1	<1	<1	30	<10	7.4	<0.01	4	2
JUN 27...	<1	<1	<1	70	10	6.1	<0.01	1	4
JUL 12...	<1	<1	1	30	10	5.3	<0.01	5	3
AUG 09...	<1	<1	1	20	<10	5.4	<0.01	1	3
SEP 08...	<1	<1	2	20	<10	5.4	<0.01	<1	2

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

LOWER MISSISSIPPI RIVER BASIN

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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 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (μS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (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										
13...	1030	527	7.52	22.0	10	6.1	<1	8.0	62	2.3
NOV										
15...	1230	534	7.92	19.0	10	8.5	<1	8.6	33	1.1
DEC										
20...	1530	348	7.86	8.5	30	65	<1	10.0	29	0.9
JAN										
18...	1145	293	7.35	9.0	40	75	<1	10.0	17	1.6
FEB										
16...	1330	298	7.44	7.5	30	75	<1	11.4	17	3.2
MAR										
15...	1100	231	7.42	9.5	30	20	<1	9.7	13	1.6
APR										
13...	1200	288	8.07	14.5	20	43	<1	8.8	16	1.8
MAY										
18...	1300	335	7.78	20.5	10	65	<1	7.9	27	1.6
JUN										
27...	1330	348	7.61	26.5	20	40	<1	6.5	33	1.0
JUL										
12...	1215	292	7.55	28.0	20	40	<1	6.0	29	0.7
AUG										
09...	1445	381	7.48	29.5	15	16	<1	7.4	20	0.5
SEP										
07...	1330	452	8.01	30.0	20	5.0	<1	7.8	12	1.7

DATE	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 (COLS./100 ML)	HARDNESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT										
13...	5400	310	170	40	17	120	75	38	24	0.01
NOV										
15...	2900	K250	170	38	18	129	72	38	23	0.02
DEC										
20...	2800	1100	130	33	11	92	40	24	110	0.02
JAN										
18...	2700	330	110	28	8.6	82	34	17	202	0.04
FEB										
16...	4900	180	120	31	9.2	63	37	15	107	0.03
MAR										
15...	3100	250	89	25	6.5	63	28	11	100	0.03
APR										
13...	660	K5	110	29	9.0	79	35	18	128	0.02
MAY										
18...	5400	450	150	38	13	88	44	18	213	0.01
JUN										
27...	660	150	120	33	9.2	87	37	27	150	0.02
JUL										
12...	850	150	100	28	7.7	81	39	18	106	0.01
AUG										
09...	1500	220	140	36	12	104	47	25	64	0.01
SEP										
07...	250	130	160	42	13	120	60	32	48	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 colony count).

LOWER MISSISSIPPI RIVER BASIN

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)
OCT 13...	0.75	1.0	0.12	2	1	<10	<10	<1	<1	<10
NOV 15...	0.61	0.41	0.13	1	1	<10	<10	<1	<1	<10
DEC 20...	0.82	0.63	0.29	2	1	<10	<10	<1	<1	<10
JAN 18...	0.96	0.50	0.42	5	<1	<10	<10	1	<1	10
FEB 16...	1.1	0.52	0.36	3	<1	<10	<10	3	<1	10
MAR 15...	0.93	0.42	0.20	2	<1	<10	<10	1	<1	<10
APR 13...	1.3	0.48	0.27	4	<1	<10	<10	1	<1	<10
MAY 18...	1.3	0.35	0.34	4	<1	<10	<10	1	<1	<10
JUN 27...	1.3	0.27	0.30	4	1	<10	<10	<1	<1	<10
JUL 12...	0.84	0.32	0.25	3	1	<10	<10	<1	<1	<10
AUG 09...	0.64	0.47	0.18	3	1	<10	<10	<1	<1	<10
SEP 07...	0.58	0.23	0.14	2	2	<10	<10	<1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)
OCT 13...	<1	7	5	10	<5	<5	<0.1	<0.1	<1	<1
NOV 15...	<1	7	5	30	<5	<5	<0.1	<0.1	1	<1
DEC 20...	<1	30	22	130	20	<5	0.2	0.2	8	6
JAN 18...	<1	20	3	50	10	<5	<0.1	<0.1	10	3
FEB 16...	<1	10	5	30	10	<5	<0.1	<0.1	9	1
MAR 15...	<1	10	5	50	10	<5	<0.1	<0.1	9	1
APR 13...	<1	10	3	30	20	<5	<0.1	<0.1	9	<1
MAY 18...	<1	20	4	10	20	<5	0.3	<0.1	10	4
JUN 27...	1	10	3	10	20	<5	0.1	0.1	7	<1
JUL 12...	1	20	5	10	20	<1	<0.1	<0.1	7	2
AUG 09...	<1	10	5	10	10	1	<0.1	0.2	5	2
SEP 07...	<1	7	4	<25	8	<1	<0.1	<0.1	3	1

< 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 1988 TO SEPTEMBER 1989

DATE	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 13...	<1	<1	2	10	10	4.4	<0.01	<1	1
NOV 15...	<1	<1	<1	20	10	4.0	<0.01	2	1
DEC 20...	<1	<1	1	30	20	6.4	<0.01	3	1
JAN 18...	<1	<1	<1	40	<10	8.0	<0.01	3	3
FEB 16...	<1	<1	<1	40	10	6.4	<0.01	2	1
MAR 15...	<1	<1	<1	30	10	5.4	<0.01	3	2
APR 13...	<1	<1	<1	40	<10	6.7	<0.01	2	2
MAY 18...	<1	<1	<1	30	<10	6.9	0.05	1	3
JUN 27...	1	<1	1	30	<10	5.8	<0.01	1	5
JUL 12...	<1	<1	1	30	10	5.5	<0.01	11	3
AUG 09...	<1	<1	1	30	<10	5.4	<0.01	2	5
SEP 07...	<1	<1	2	10	<10	4.3	<0.01	<1	2

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

LOWER MISSISSIPPI RIVER BASIN

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, cross section of river at 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, Mar. 7-10, 12-16, 1989.

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, 151 mg/L Mar. 11-20, 1989.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

CHLORIDE: Minimum, 8.3 mg/L Dec. 20, 1988.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 582 microsiemens Nov. 16; minimum daily, 210 microsiemens Apr. 17.

WATER TEMPERATURES: Maximum daily, 31.5 °C Sept. 4; minimum daily, 7.0 °C Feb. 13, 18, Mar. 5, 7, 8.

CHLORIDE: Maximum daily, 55 mg/L Nov. 17-21; minimum daily, 11 mg/L Mar. 7-10, 12-16.

DISSOLVED SOLIDS: Maximum, 332 mg/L Nov. 16-20; minimum, 147 mg/L Mar. 1-10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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										
13...	1345	531	7.53	23.0	5	4.8	<1	8.0	11	2.0
NOV										
15...	1500	528	8.05	19.0	5	5.8	<1	8.2	37	0.8
DEC										
20...	1330	347	7.82	8.5	30	60	<1	10.0	22	1.6
JAN										
18...	1500	290	7.25	9.5	50	80	<1	10.2	16	1.6
FEB										
16...	1545	302	7.33	8.0	30	78	<1	11.3	12	3.4
MAR										
15...	1500	235	7.54	9.5	20	22	<1	9.6	12	1.2
APR										
13...	1445	289	7.80	14.5	30	60	<1	8.6	13	1.5
MAY										
17...	1230	358	7.78	20.0	15	55	<1	7.8	31	1.0
JUN										
27...	1630	352	7.54	26.0	20	45	<1	6.3	32	0.3
JUL										
13...	1115	295	7.57	28.0	15	40	<1	5.7	27	0.4
AUG										
10...	1030	392	7.80	29.5	20	11	<1	7.5	26	--
SEP										
07...	1045	462	8.05	30.5	15	8.5	<1	8.0	<10	1.7

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

LOWER MISSISSIPPI RIVER BASIN

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07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	ALKALINITY WAT WH TOT FET FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 13...	1200	140	170	40	16	116	80	38	13	0.01
NOV 15...	1000	92	160	37	17	125	69	40	14	0.02
DEC 20...	2700	800	130	33	11	89	41	8.3	103	0.02
JAN 18...	2300	240	110	30	8.5	76	34	19	223	0.04
FEB 16...	6800	170	110	29	8.6	82	35	17	152	0.03
MAR 15...	2100	180	86	24	6.4	62	28	11	151	0.03
APR 13...	1300	K10	110	29	9.1	82	35	17	96	0.02
MAY 17...	K1600	96	140	33	13	91	50	22	138	0.01
JUN 27...	440	44	120	34	9.2	88	38	30	154	0.01
JUL 13...	1600	240	100	28	7.7	81	39	19	103	0.01
AUG 10...	560	K80	150	37	13	106	48	26	48	<0.01
SEP 07...	290	120	160	42	13	122	63	36	29	0.01

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS As)	ARSENIC DIS-SOLVED (µG/L AS As)	BERYLLIUM, TOTAL RECOVERABLE (µG/L AS Be)	BERYLLIUM, DIS-SOLVED (µG/L AS Be)	CADMIUM TOTAL RECOVERABLE (µG/L AS Cd)	CADMIUM DIS-SOLVED (µG/L AS Cd)	CHROMIUM, TOTAL RECOVERABLE (µG/L AS Cr)
OCT 13...	0.64	0.48	0.13	2	1	<10	<10	<1	<1	<10
NOV 15...	0.58	0.33	0.16	1	1	<10	<10	1	<1	<10
DEC 20...	0.83	0.53	0.29	2	<1	<10	<10	<1	<1	<10
JAN 18...	0.93	0.52	0.42	4	<1	<10	<10	2	<1	10
FEB 16...	1.1	0.33	0.34	3	<1	<10	<10	<1	<1	10
MAR 15...	0.92	0.51	0.26	3	<1	<10	<10	1	<1	<10
APR 13...	1.4	0.43	0.30	4	<1	<10	<10	1	<1	<10
MAY 17...	1.5	0.35	0.28	3	1	<10	<10	<1	<1	<10
JUN 27...	1.3	0.42	0.30	3	1	<10	<10	1	<1	<10
JUL 13...	0.83	0.34	0.23	3	1	<10	<10	<1	<1	<10
AUG 10...	0.65	0.43	0.17	3	1	<10	<10	<1	<1	<10
SEP 07...	0.54	<0.20	0.12	2	1	<10	<10	<1	<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 colony count).

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	CHROMIUM, HEXAVALENT, DIS. (µG/L AS CR)	COPPER, TOTAL RECOVERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOVERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOVERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOVERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)
OCT 13...	1	10	4	10	<5	<5	<0.1	0.1	<1	<1
NOV 15...	<1	10	6	40	<5	<5	<0.1	<0.1	2	<1
DEC 20...	<1	10	10	20	70	<5	0.6	<0.1	7	<1
JAN 18...	<1	20	4	350	20	<5	<0.1	<0.1	10	3
FEB 16...	<1	10	5	30	9	<5	0.1	<0.1	9	<1
MAR 15...	<1	20	5	60	8	<5	<0.1	<0.1	10	1
APR 13...	<1	10	3	40	20	<5	<0.1	<0.1	9	3
MAY 17...	<1	10	4	10	20	<5	<0.1	<0.1	10	2
JUN 27...	1	10	3	10	20	<5	<0.1	<0.1	7	<1
JUL 13...	<1	10	5	10	20	<1	<0.1	<0.1	7	2
AUG 10...	<1	8	7	<10	7	<1	<0.1	0.1	4	2
SEP 07...	<1	7	4	<25	4	<1	<0.1	<0.1	2	1

DATE	SELENIUM, TOTAL (µG/L AS SE)	SELENIUM, DIS- SOLVED (µG/L AS SE)	VANADIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOVERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVIMETRIC (MG/L)
OCT 13...	<1	<1	2	10	<10	4.7	<0.01	5	1
NOV 15...	<1	<1	<1	20	20	3.6	<0.01	<1	<1
DEC 20...	<1	<1	1	30	<10	12	<0.01	<1	1
JAN 18...	<1	<1	6	40	<10	7.6	<0.01	9	1
FEB 16...	<1	<1	1	40	20	6.1	<0.01	4	2
MAR 15...	<1	<1	1	30	<10	6.1	<0.01	4	<1
APR 13...	<1	<1	<1	40	<10	6.5	<0.01	<1	3
MAY 17...	<1	<1	<1	30	<10	5.9	<0.01	--	1
JUN 27...	1	<1	1	40	<10	6.0	<0.01	5	6
JUL 13...	1	<1	1	40	10	5.4	<0.01	6	<1
AUG 10...	<1	<1	1	20	10	4.6	<0.01	8	<1
SEP 07...	<1	<1	2	10	<10	4.1	<0.01	2	2

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

LOWER MISSISSIPPI RIVER BASIN

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07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

		ARSENIC TOTAL IN BOT- TOM MA- TERIAL (µG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (µG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (µG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (µG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS ZN)	
OCT 13...		4	<10	10	10	11000	10	340	0.04	50	
DATE	PCB, TOTAL (µG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	ALDRIN, TOTAL (µG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	CHLOR- DANE, TOTAL (µG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	DDD, TOTAL (µG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	DDE, TOTAL (µG/L)
OCT 13...	<0.1	<100	<0.1	<100	<0.01	<10	<0.01	<10	<0.01	<10	<0.01
DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	DDT, TOTAL (µG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	DI- AZINON, TOTAL (µG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	DI- ELDRIN TOTAL (µG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	ENDO- SULFAN, TOTAL (µG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	ENDRIN, TOTAL (µG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)
OCT 13...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10
DATE	ETHION, TOTAL (µG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (µG/KG)	LINDANE TOTAL (µG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	MALA- THION, TOTAL (µG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	
OCT 13...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (µG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (µG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (µG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (µG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (µG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (µG/KG)	MIREX, TOTAL (µG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	PARA- THION, TOTAL (µG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	
OCT 13...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	PER- THANE TOTAL (µG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	TOX- APHENE, TOTAL (µG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	TOTAL TRI- THION (µG/L)	TOTAL TRI- THION (µG/KG)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	
OCT 13...	<0.01	<10	<0.5	<500	<0.01	<10	<0.1	<0.1	<0.1	<0.1	

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	498	578	363	272	257	305	341	343	409	420	468
2	542	517	394	363	270	257	307	336	350	406	410	446
3	543	519	396	364	252	250	309	338	352	407	417	453
4	565	499	389	364	254	260	314	340	356	345	411	448
5	565	516	390	363	311	258	309	364	341	342	417	446
6	525	518	336	325	313	237	304	369	347	341	401	451
7	526	517	333	327	313	240	295	358	350	339	411	452
8	530	517	334	324	314	236	301	362	355	348	414	452
9	527	541	333	324	312	242	298	355	348	410	410	446
10	564	540	335	324	278	256	299	362	357	330	415	449
11	522	542	333	323	280	249	299	363	371	348	412	446
12	507	516	334	324	313	245	302	318	365	303	400	450
13	531	516	335	324	312	245	293	309	328	305	414	448
14	---	542	375	276	312	254	336	303	331	294	411	444
15	---	515	---	304	313	249	339	305	333	302	408	448
16	508	582	---	313	314	249	307	305	318	301	398	432
17	513	576	---	311	250	247	210	301	---	305	422	438
18	535	580	---	313	251	258	232	300	319	303	413	435
19	501	579	---	303	250	297	302	297	317	345	413	428
20	505	579	---	277	251	297	315	304	367	339	423	436
21	509	578	---	276	251	302	313	309	373	341	462	437
22	506	399	362	275	250	306	308	306	371	353	463	433
23	506	397	375	288	250	254	308	300	314	357	425	434
24	504	399	377	277	250	293	303	315	305	339	469	421
25	522	397	335	281	250	302	338	319	303	326	412	385
26	---	402	376	273	250	285	335	317	308	326	415	384
27	548	400	373	276	250	301	338	337	302	333	428	380
28	520	---	---	270	240	290	345	346	296	326	427	380
29	---	394	---	274	---	277	341	312	297	332	463	382
30	---	393	---	270	---	---	337	339	308	---	466	382
31	---	---	---	272	---	310	---	341	---	---	458	---
MAX	565	582	---	364	314	310	345	369	373	410	469	468
MIN	501	393	---	270	240	236	210	297	296	294	398	380

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.5	19.5	12.0	10.0	10.0	8.0	14.0	19.5	22.0	25.5	28.5	31.0
2	27.0	19.5	11.5	9.0	10.0	8.5	13.5	20.5	20.5	26.5	26.5	27.5
3	27.0	20.5	12.5	9.5	9.5	8.0	14.5	20.0	19.5	26.0	28.0	29.5
4	26.0	12.5	11.0	10.0	8.5	8.5	15.5	21.0	23.5	28.5	28.5	31.5
5	26.0	20.5	11.5	10.5	9.5	7.0	15.0	20.0	22.5	27.5	27.5	29.5
6	25.5	19.5	11.5	10.5	9.5	7.5	15.5	19.5	23.5	27.5	27.5	28.5
7	25.5	---	12.5	10.5	9.5	7.0	13.5	19.5	25.0	28.0	29.5	29.0
8	25.5	19.0	11.5	11.5	9.0	7.0	15.0	20.0	24.5	28.5	29.5	27.5
9	25.0	19.5	9.5	12.0	8.5	8.0	14.5	20.0	25.5	26.5	27.5	29.5
10	23.0	19.0	10.0	10.5	10.0	8.5	14.5	20.0	25.5	27.5	28.5	30.0
11	23.5	19.0	9.5	11.5	10.0	8.5	15.0	20.5	24.5	28.5	29.5	29.0
12	23.5	19.5	9.0	9.5	8.0	8.5	15.0	19.5	25.0	27.5	29.5	29.5
13	23.0	19.0	10.0	9.0	7.0	9.5	14.5	19.5	25.0	28.0	29.0	28.5
14	---	18.5	10.5	8.5	7.5	10.0	15.5	19.0	25.5	29.5	28.5	29.5
15	---	18.5	---	9.5	7.5	10.5	16.0	19.5	25.5	29.5	29.5	29.0
16	23.0	15.5	---	9.5	8.0	11.5	15.5	19.0	25.0	28.5	30.0	28.5
17	22.5	15.5	---	9.0	7.5	12.0	14.0	18.5	---	29.0	28.5	29.5
18	23.0	15.0	---	9.0	7.0	11.5	14.5	18.5	26.0	29.0	19.0	29.0
19	23.5	14.5	---	9.0	7.5	12.5	15.0	19.5	26.5	28.0	29.0	28.5
20	22.5	14.0	---	8.5	7.5	12.5	15.5	19.5	26.5	28.5	29.5	27.5
21	22.5	14.0	---	8.0	8.0	13.0	16.0	20.0	26.5	28.5	27.5	28.0
22	22.5	14.5	11.0	8.0	8.0	12.5	16.5	20.0	26.0	29.0	27.5	26.5
23	23.0	13.5	11.0	8.5	8.5	13.0	17.0	21.0	26.5	29.5	28.5	25.5
24	23.0	14.0	9.5	11.5	9.0	12.0	17.0	21.5	25.5	28.5	28.5	25.0
25	21.0	14.5	10.0	12.0	9.5	13.0	16.5	22.5	25.0	29.0	29.5	26.5
26	22.0	14.0	9.5	12.0	8.5	12.5	16.0	22.0	25.5	29.0	28.5	26.0
27	---	13.5	10.0	8.5	8.0	13.0	17.5	24.5	24.5	29.5	29.5	25.5
28	22.5	---	---	8.5	8.0	14.0	19.0	25.5	25.0	28.5	30.0	26.0
29	22.5	14.0	---	9.0	---	14.0	18.5	28.5	25.5	29.0	29.0	25.5
30	---	13.5	---	8.0	---	---	18.5	29.0	25.5	---	29.5	24.5
31	---	---	---	9.5	---	13.5	---	21.5	---	---	30.5	---
MAX	27.5	20.5	---	12.0	10.0	14.0	19.0	29.0	26.5	29.5	30.5	31.5
MIN	21.0	12.5	---	8.0	7.0	7.0	13.5	18.5	19.5	25.5	19.0	24.5

LOWER MISSISSIPPI RIVER BASIN

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07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	37	54	23	16	14	18	18	21	28	28	37
2	38	39	31	23	16	14	18	18	21	29	29	38
3	37	40	30	23	15	14	18	19	21	29	29	37
4	41	37	30	23	15	15	18	18	22	24	30	38
5	42	41	30	23	18	14	18	22	22	24	30	38
6	44	42	23	21	19	12	18	22	22	24	30	37
7	44	38	24	20	17	11	17	22	24	24	29	38
8	44	40	24	21	18	11	17	20	22	25	29	38
9	44	44	24	22	17	11	17	20	23	29	30	37
10	43	44	23	21	15	11	18	19	21	24	30	38
11	44	42	23	21	16	12	17	19	23	24	30	37
12	46	37	24	21	18	11	17	22	25	20	30	38
13	35	37	23	21	18	11	17	20	20	18	30	38
14	---	44	26	16	19	11	19	16	20	14	30	38
15	---	37	---	18	18	11	17	15	20	14	30	37
16	42	54	---	19	17	11	16	16	20	15	30	41
17	36	55	---	19	16	15	18	15	---	14	32	41
18	38	55	---	20	15	15	18	15	20	13	32	42
19	43	55	---	18	14	16	17	14	20	24	32	41
20	42	55	---	16	14	16	16	16	24	24	31	41
21	44	55	---	15	14	16	17	15	25	24	37	41
22	42	30	23	16	15	17	16	16	24	25	38	40
23	43	30	26	16	15	15	16	15	17	25	28	40
24	43	31	26	16	14	16	15	18	18	24	37	41
25	36	30	23	15	15	16	18	18	18	24	28	28
26	45	31	26	14	15	16	18	18	18	24	31	28
27	---	31	26	15	15	16	18	22	17	24	28	28
28	43	---	---	15	15	16	18	22	16	24	29	27
29	39	30	---	14	---	17	18	17	17	23	36	28
30	---	31	---	15	---	---	19	21	19	---	36	28
31	---	---	---	16	---	19	---	23	---	---	37	---
MAX	46	55	---	23	19	19	19	23	25	29	38	42
MIN	35	37	---	14	14	11	15	14	16	13	28	27

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	313	APR	184
11-20	301	11-20	177
21-31	299	21-30	202
NOV			
01-10	295	MAY	196
16-20	332	11-20	181
21-30	237	21-31	201
DEC			
01-10	217	JUN	212
11-20	193	11-20	203
21-31	208	21-30	187
JAN			
01-10	192	JUL	219
11-20	173	11-20	182
21-31	153	21-31	189
FEB			
01-10	172	AUG	234
11-20	173	11-20	239
21-28	149	21-31	260
MAR			
01-10	147	SEP	254
11-20	151	11-20	250
21-31	159	21-30	229

LOWER MISSISSIPPI RIVER BASIN

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, 1967-88.

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 630 microsiemens Sept. 20, 1969; minimum, 200 microsiemens 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.--

SPECIFIC CONDUCTANCE: Maximum, 620 microsiemens Oct. 10, 11; minimum, 216 microsiemens Mar 5, 6.

pH: Maximum, 8.17 units Sept. 4; minimum 7.37 units Mar. 8.

WATER TEMPERATURES: Maximum, 30.5 °C Sept. 1-4; minimum, 7.0 °C Feb. 13-16, 23-28, Mar. 1-4, 6-11.

DISSOLVED OXYGEN: Maximum, 8.2 mg/L May 15; minimum, 5.1 mg/L Oct. 1.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	586	571	550	530	451	440	379	375	275	272	236	233
2	579	570	540	530	438	419	375	369	275	271	238	234
3	572	563	550	540	417	401	370	357	277	274	234	226
4	570	560	560	540	401	399	368	357	280	276	227	218
5	580	560	560	530	400	396	366	356	286	278	219	216
6	600	580	530	510	402	394	366	351	298	286	217	216
7	600	590	510	510	396	390	352	345	306	297	218	217
8	600	560	530	510	394	388	344	332	311	307	221	217
9	590	560	536	529	388	375	332	323	314	310	226	222
10	620	590	544	534	376	360	322	321	313	307	228	225
11	620	560	560	545	360	349	330	323	314	308	231	227
12	560	520	564	558	350	340	328	324	311	307	231	228
13	530	520	582	564	341	333	323	319	308	300	233	230
14	560	520	574	550	336	329	319	312	309	300	236	232
15	580	550	549	533	340	335	315	304	309	300	238	235
16	580	560	540	536	344	338	303	297	300	294	238	234
17	560	540	561	542	348	342	300	293	301	295	239	235
18	540	510	563	556	355	345	299	293	307	301	239	235
19	510	510	562	551	354	341	303	297	305	298	238	236
20	510	510	561	554	354	345	301	292	302	295	241	236
21	510	510	574	562	353	347	292	288	298	293	249	241
22	520	510	584	566	355	350	287	275	293	283	257	249
23	520	520	565	535	354	349	276	268	287	275	263	258
24	520	510	542	533	359	353	275	271	275	247	269	264
25	520	510	557	542	369	358	283	275	245	233	271	269
26	520	510	575	557	369	365	282	278	234	231	273	270
27	530	520	570	555	371	368	278	271	235	231	276	272
28	550	530	595	552	393	368	273	269	236	231	281	275
29	570	550	601	533	400	394	270	266	---	---	290	282
30	560	540	528	453	392	382	272	267	---	---	299	290
31	550	540	---	---	387	378	272	269	---	---	305	299
MONTH	620	510	601	453	451	329	379	266	314	231	305	216

LOWER MISSISSIPPI RIVER BASIN

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07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	314	306	318	313	331	327	326	309	360	353	477	464
2	318	313	328	317	333	329	323	320	366	359	491	477
3	317	315	335	328	341	333	326	322	364	359	497	483
4	316	309	340	334	345	340	329	327	367	358	488	478
5	310	303	356	340	345	342	329	322	374	367	482	475
6	303	294	366	358	347	344	322	315	386	375	482	473
7	296	293	365	359	348	345	315	313	396	386	482	476
8	294	292	370	361	350	344	315	308	399	390	482	475
9	297	293	368	364	358	351	309	300	394	392	474	460
10	301	298	370	364	356	350	300	291	394	391	466	461
11	300	294	368	361	352	349	292	288	396	390	474	464
12	295	292	375	369	353	341	293	289	408	390	476	474
13	301	295	381	374	341	336	296	289	413	404	475	471
14	303	300	388	381	339	334	296	294	417	413	475	471
15	302	300	389	381	338	336	296	294	416	408	473	463
16	306	302	381	377	345	338	299	295	413	409	462	453
17	306	299	377	367	352	343	295	292	414	408	470	457
18	299	297	366	354	359	352	291	283	414	410	488	465
19	304	298	355	347	367	358	284	281	419	412	502	489
20	306	304	352	324	369	367	290	279	423	419	505	497
21	307	305	322	298	370	367	293	288	426	423	498	478
22	308	306	315	298	377	368	293	287	427	423	476	454
23	309	305	304	300	402	378	295	290	428	415	455	441
24	309	305	312	305	405	398	300	294	421	401	442	439
25	308	306	318	312	397	383	307	300	410	402	454	439
26	311	307	328	318	382	369	315	306	419	413	475	454
27	309	307	333	327	369	359	325	316	434	419	477	453
28	311	307	337	332	359	338	327	327	437	433	452	430
29	311	308	345	337	338	329	341	337	447	438	429	421
30	315	308	340	334	332	307	343	339	458	445	421	408
31	---	---	334	329	---	---	354	343	469	458	---	---
MONTH	318	292	389	298	405	307	354	279	469	353	505	408

PH (STANDARD UNITS), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.66	7.63	7.73	7.73	7.62	7.56	7.88	7.84	7.66	7.62	7.51	7.46
2	7.68	7.64	7.76	7.73	7.61	7.54	7.87	7.84	7.67	7.64	7.50	7.47
3	7.70	7.66	7.73	7.69	7.58	7.53	7.84	7.77	7.68	7.64	7.50	7.46
4	7.76	7.69	7.73	7.69	7.58	7.52	7.83	7.76	7.67	7.63	7.52	7.48
5	7.76	7.76	7.73	7.69	7.56	7.50	7.77	7.72	7.63	7.59	7.53	7.50
6	7.80	7.76	7.73	7.69	7.55	7.51	7.75	7.66	7.63	7.58	7.49	7.41
7	7.80	7.76	7.76	7.69	7.58	7.52	7.75	7.69	7.63	7.63	7.42	7.40
8	7.80	7.76	7.73	7.73	7.61	7.55	7.74	7.70	7.67	7.51	7.41	7.37
9	7.76	7.73	7.75	7.73	7.65	7.60	7.73	7.68	7.66	7.58	7.42	7.38
10	7.76	7.73	7.77	7.75	7.64	7.60	7.68	7.63	7.75	7.66	7.45	7.38
11	7.76	7.69	7.78	7.75	7.64	7.61	7.67	7.63	7.78	7.75	7.47	7.40
12	7.69	7.65	7.87	7.77	7.64	7.59	7.70	7.67	7.79	7.75	7.49	7.42
13	7.76	7.69	7.79	7.77	7.64	7.57	7.71	7.68	7.79	7.76	7.49	7.45
14	7.84	7.73	7.80	7.77	7.64	7.58	7.68	7.63	7.79	7.74	7.51	7.48
15	7.80	7.73	7.77	7.73	7.68	7.60	7.68	7.64	7.82	7.78	7.51	7.45
16	7.80	7.69	7.75	7.73	7.70	7.66	7.68	7.66	7.79	7.77	7.51	7.45
17	7.80	7.69	7.77	7.75	7.73	7.65	7.67	7.61	7.78	7.73	7.52	7.46
18	7.73	7.69	7.78	7.73	7.73	7.66	7.65	7.60	7.75	7.73	7.52	7.47
19	7.73	7.69	7.77	7.73	7.74	7.68	7.67	7.64	7.75	7.71	7.51	7.45
20	7.76	7.69	7.84	7.76	7.77	7.70	7.68	7.66	7.75	7.72	7.49	7.42
21	7.73	7.65	7.89	7.85	7.86	7.75	7.67	7.61	7.76	7.73	7.51	7.47
22	7.76	7.65	7.88	7.83	7.87	7.80	7.64	7.57	7.73	7.70	7.49	7.45
23	7.69	7.65	7.86	7.79	7.88	7.85	7.61	7.56	7.70	7.67	7.46	7.42
24	7.73	7.65	7.82	7.75	7.95	7.88	7.65	7.58	7.68	7.62	7.46	7.42
25	7.73	7.65	7.80	7.73	7.93	7.85	7.69	7.64	7.65	7.62	7.48	7.40
26	7.76	7.69	7.76	7.74	7.91	7.87	7.71	7.67	7.64	7.61	7.50	7.46
27	7.76	7.69	7.81	7.74	7.92	7.88	7.71	7.65	7.62	7.55	7.55	7.48
28	7.80	7.69	7.82	7.76	7.90	7.86	7.69	7.63	7.55	7.50	7.54	7.49
29	7.73	7.69	7.76	7.64	7.89	7.84	7.69	7.65	---	---	7.52	7.50
30	7.73	7.69	7.64	7.58	7.85	7.81	7.69	7.65	---	---	7.51	7.48
31	7.73	7.69	---	---	7.84	7.80	7.68	7.62	---	---	7.50	7.46
MONTH	7.84	7.63	7.89	7.58	7.95	7.50	7.88	7.56	7.82	7.50	7.55	7.37

LOWER MISSISSIPPI RIVER BASIN

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.49	7.45	7.43	7.41	7.57	7.55	7.52	7.44	7.54	7.50	8.07	8.04
2	7.48	7.44	7.48	7.41	7.57	7.55	7.52	7.50	7.55	7.48	8.11	8.07
3	7.49	7.45	7.48	7.46	7.57	7.56	7.52	7.51	7.59	7.53	8.14	8.09
4	7.49	7.47	7.53	7.48	7.59	7.57	7.53	7.51	7.63	7.55	8.17	8.13
5	7.53	7.47	7.55	7.52	7.59	7.56	7.52	7.47	7.67	7.63	8.12	8.05
6	7.48	7.42	7.57	7.54	7.59	7.57	7.48	7.45	7.74	7.66	8.05	7.96
7	7.44	7.40	7.57	7.54	7.58	7.55	7.49	7.45	7.81	7.73	7.96	7.89
8	7.44	7.41	7.59	7.55	7.57	7.55	7.49	7.45	7.82	7.77	7.89	7.83
9	7.47	7.44	7.60	7.57	7.61	7.57	7.48	7.43	7.89	7.80	7.98	7.82
10	7.47	7.46	7.65	7.59	7.59	7.55	7.48	7.42	7.89	7.84	8.01	7.95
11	7.48	7.42	7.66	7.63	7.61	7.58	7.47	7.41	7.88	7.81	8.04	7.99
12	7.45	7.39	7.66	7.62	7.60	7.54	7.46	7.40	7.89	7.79	7.98	7.92
13	7.43	7.39	7.66	7.63	7.57	7.55	7.47	7.42	7.98	7.86	7.91	7.80
14	7.44	7.39	7.67	7.66	7.57	7.52	7.47	7.46	8.04	7.96	7.88	7.82
15	7.44	7.40	7.67	7.66	7.55	7.52	7.48	7.45	8.08	8.02	7.85	7.82
16	7.46	7.41	7.67	7.65	7.56	7.55	7.47	7.44	8.09	8.04	7.85	7.82
17	7.47	7.42	7.65	7.63	7.56	7.54	7.48	7.43	8.13	8.08	7.88	7.83
18	7.46	7.43	7.64	7.63	7.57	7.55	7.47	7.42	8.11	8.06	7.87	7.83
19	7.46	7.43	7.65	7.60	7.59	7.57	7.47	7.43	8.10	8.05	7.84	7.80
20	7.44	7.41	7.62	7.57	7.61	7.57	7.48	7.45	8.09	8.04	7.81	7.76
21	7.47	7.43	7.58	7.46	7.61	7.58	7.49	7.44	8.12	8.04	7.78	7.72
22	7.48	7.44	7.58	7.43	7.59	7.57	7.50	7.46	8.14	8.07	7.75	7.71
23	7.49	7.44	7.52	7.46	7.58	7.57	7.51	7.48	8.12	8.05	7.73	7.70
24	7.46	7.43	7.55	7.52	7.58	7.57	7.50	7.47	8.06	7.99	7.73	7.71
25	7.49	7.46	7.57	7.55	7.57	7.56	7.51	7.50	8.09	7.98	7.73	7.72
26	7.50	7.47	7.57	7.56	7.56	7.55	7.54	7.49	8.08	7.96	7.75	7.72
27	7.48	7.44	7.58	7.56	7.55	7.54	7.55	7.51	8.03	7.94	7.75	7.74
28	7.49	7.48	7.56	7.55	7.55	7.54	7.56	7.51	8.01	7.97	7.74	7.71
29	7.48	7.45	7.57	7.55	7.55	7.53	7.56	7.50	8.07	7.95	7.75	7.70
30	7.46	7.42	7.60	7.56	7.55	7.44	7.53	7.48	8.10	8.04	7.76	7.75
31	---	---	7.59	7.55	---	---	7.52	7.51	8.09	8.01	---	---
MONTH	7.53	7.39	7.67	7.41	7.61	7.44	7.56	7.40	8.14	7.48	8.17	7.70

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.5	28.5	20.5	20.0	12.5	12.0	11.0	10.5	9.0	8.5	7.5	7.0
2	28.5	28.0	20.0	20.0	12.0	11.5	11.5	11.0	9.5	9.0	7.5	7.0
3	28.0	28.0	20.0	20.0	11.5	11.5	11.5	11.5	9.5	9.5	7.5	7.0
4	28.0	27.0	20.0	20.0	11.5	11.0	11.5	10.5	9.5	9.5	7.5	7.0
5	27.0	26.5	20.0	19.5	11.0	11.0	10.5	10.0	9.5	9.5	7.5	7.5
6	26.5	26.0	19.5	19.0	11.0	10.5	10.0	9.5	9.5	9.5	7.5	7.0
7	26.0	25.5	19.5	19.0	11.0	10.5	9.5	9.0	9.5	9.0	7.0	7.0
8	25.5	25.5	19.0	19.0	10.5	10.5	9.5	9.0	9.0	9.0	7.0	7.0
9	25.0	25.0	19.0	19.0	10.5	10.5	9.0	9.0	9.0	8.5	7.0	7.0
10	25.0	24.5	19.0	18.5	10.5	10.0	9.0	9.0	8.5	8.0	7.5	7.0
11	24.5	24.0	18.5	18.5	10.0	10.0	9.0	9.0	8.0	7.5	7.5	7.0
12	24.0	23.5	19.5	18.5	10.0	9.5	9.0	9.0	7.5	7.5	8.0	7.5
13	23.5	23.0	18.5	18.5	9.5	9.5	9.0	8.5	7.5	7.0	8.0	7.5
14	23.5	23.0	18.5	18.5	9.5	9.5	9.0	8.5	7.0	7.0	8.5	8.0
15	23.5	22.5	19.0	18.5	9.5	9.0	9.0	8.5	7.0	7.0	9.0	8.5
16	24.5	22.5	19.0	18.5	9.0	9.0	9.0	8.5	7.5	7.0	9.5	9.0
17	23.5	22.5	18.5	18.5	9.0	9.0	9.0	8.5	7.5	7.5	10.0	9.5
18	22.5	22.5	18.5	18.0	9.0	8.5	8.5	8.5	7.5	7.5	10.5	10.0
19	23.0	22.0	18.5	18.5	9.0	8.5	8.5	8.0	7.5	7.5	10.5	10.5
20	24.0	22.0	18.5	18.0	9.0	8.5	8.0	8.0	8.0	7.5	11.0	10.5
21	22.5	22.0	18.0	17.5	9.0	8.5	8.0	7.5	8.0	8.0	11.5	11.0
22	22.0	21.5	17.5	17.0	9.0	8.5	8.0	7.5	8.0	7.5	11.0	11.0
23	22.0	21.5	17.0	16.5	9.0	8.5	8.0	7.5	7.5	7.0	11.0	11.0
24	21.5	21.5	16.5	16.0	9.0	8.5	8.0	7.5	7.0	7.0	11.0	11.0
25	22.5	21.5	16.0	15.5	9.0	8.5	8.0	8.0	7.0	7.0	11.0	11.0
26	22.0	21.5	15.5	15.5	9.0	8.5	8.0	8.0	7.0	7.0	11.5	11.0
27	22.5	21.5	15.5	14.5	9.5	9.0	8.5	8.0	7.0	7.0	11.5	11.5
28	22.0	21.5	14.5	14.0	9.5	9.5	8.5	8.0	7.5	7.0	12.0	11.5
29	22.0	21.5	14.0	13.5	9.5	9.5	8.5	8.5	---	---	12.5	12.0
30	21.0	21.0	13.5	12.5	10.0	9.5	8.5	8.5	---	---	13.0	12.5
31	21.0	20.5	---	---	11.0	10.5	9.0	8.5	---	---	13.0	13.0
MONTH	28.5	20.5	20.5	12.5	12.5	8.5	11.5	7.5	9.5	7.0	13.0	7.0

LOWER MISSISSIPPI RIVER BASIN

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07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.5	13.0	18.5	18.5	23.5	23.0	26.0	25.5	28.0	27.5	30.5	30.0
2	14.0	13.5	19.0	18.5	23.5	23.0	26.0	26.0	28.0	27.5	30.5	30.0
3	14.0	13.5	19.5	19.0	23.5	23.0	26.0	26.0	28.0	28.0	30.5	30.0
4	14.5	14.0	20.0	19.5	23.5	23.5	26.0	25.5	28.5	28.0	30.5	30.0
5	14.5	14.0	20.0	20.0	23.5	23.5	25.5	25.5	29.0	28.5	30.0	30.0
6	15.0	14.5	20.5	20.0	23.5	23.5	25.5	25.5	29.0	28.5	30.0	29.5
7	15.0	15.0	20.5	20.0	24.0	23.5	26.0	25.5	29.5	29.0	29.5	29.5
8	15.5	15.0	20.5	20.0	24.0	24.0	26.0	26.0	29.0	29.0	29.5	29.5
9	15.5	15.0	20.5	20.0	24.0	24.0	26.5	26.0	29.0	29.0	29.5	29.5
10	15.0	15.0	20.0	20.0	24.0	24.0	26.5	26.0	29.0	28.5	29.5	29.5
11	15.0	14.5	20.0	20.0	24.5	24.0	26.5	26.5	29.0	28.5	29.5	29.5
12	14.5	14.5	20.0	20.0	24.5	24.0	27.0	26.5	29.0	28.5	29.5	29.0
13	14.5	14.0	20.0	20.0	24.5	24.5	27.0	27.0	28.5	28.5	29.5	29.0
14	14.0	13.5	20.0	20.0	24.5	24.5	27.0	27.0	28.5	28.5	29.0	28.5
15	14.0	13.5	20.0	19.5	24.5	24.5	27.0	27.0	28.5	28.0	28.5	28.5
16	14.0	13.5	19.5	19.5	25.0	24.5	27.5	27.0	28.5	28.0	28.5	28.0
17	14.0	14.0	20.0	19.5	25.0	25.0	27.5	27.0	28.5	28.0	28.0	28.0
18	14.0	14.0	20.0	19.5	25.5	25.0	27.5	27.0	28.5	28.0	28.0	27.5
19	14.0	14.0	20.0	19.5	25.0	25.0	27.5	27.5	28.5	28.0	27.5	27.0
20	14.5	14.0	19.5	19.5	25.5	25.0	28.0	27.5	28.5	28.0	27.0	27.0
21	15.0	14.5	19.5	19.5	25.5	25.0	28.0	28.0	28.5	28.0	26.5	26.5
22	15.0	14.5	19.5	19.0	25.0	25.0	28.0	27.5	28.5	28.0	26.5	26.0
23	15.5	15.0	20.0	19.5	25.0	25.0	27.5	27.5	28.5	28.5	26.0	26.0
24	15.5	15.0	20.5	20.0	25.0	25.0	27.5	27.5	29.0	28.5	25.5	25.0
25	16.0	15.5	21.0	20.5	25.5	25.0	27.5	27.5	29.0	28.5	25.0	24.5
26	16.5	16.0	21.5	21.0	25.5	25.5	27.5	27.5	29.5	29.0	24.5	24.0
27	17.0	16.5	22.0	21.5	25.5	25.5	27.5	27.5	29.5	29.0	24.0	23.0
28	17.5	17.0	22.0	22.0	25.5	25.5	27.5	27.5	29.5	29.0	23.0	22.5
29	18.0	17.5	22.5	22.0	26.0	25.5	27.5	27.5	29.5	29.0	22.5	22.0
30	18.0	18.0	23.0	22.5	25.5	25.5	28.0	27.5	30.0	29.5	22.0	22.0
31	---	---	23.0	23.0	---	---	27.5	27.5	30.0	29.5	---	---
MONTH	18.0	13.0	23.0	18.5	26.0	23.0	28.0	25.5	30.0	27.5	30.5	22.0

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.2	5.1	6.7	6.5	6.5	6.3	8.5	8.3	8.3	8.2	8.6	8.6
2	5.3	5.2	6.8	6.6	6.5	6.4	8.3	8.0	8.3	8.3	8.6	8.5
3	5.4	5.2	6.7	6.6	6.5	6.5	8.0	7.8	8.3	8.2	8.5	8.4
4	5.6	5.4	6.8	6.6	6.7	6.5	7.9	7.8	8.3	8.3	8.5	8.4
5	5.6	5.5	6.8	6.6	6.8	6.7	8.0	7.8	8.3	8.2	8.5	8.4
6	5.7	5.6	6.8	6.7	7.1	6.8	8.1	8.0	8.2	8.1	8.6	8.5
7	5.8	5.6	6.9	6.7	7.2	7.1	8.2	8.1	8.3	8.2	8.5	8.5
8	5.8	5.7	7.0	6.8	7.4	7.2	8.3	8.2	8.6	8.2	8.5	8.4
9	5.8	5.6	7.0	6.9	7.6	7.4	8.4	8.3	8.7	8.6	8.5	8.4
10	5.8	5.7	7.1	7.0	7.8	7.6	8.4	8.3	8.9	8.7	8.5	8.5
11	5.9	5.8	7.1	7.1	7.9	7.8	8.3	8.2	9.0	8.9	8.5	8.5
12	5.8	5.7	7.2	7.0	8.1	7.9	8.3	8.2	9.1	9.0	8.5	8.4
13	6.1	5.8	7.1	7.1	8.2	8.1	8.4	8.3	9.3	9.1	8.5	8.4
14	6.2	6.0	7.1	7.0	8.2	8.2	8.4	8.3	9.3	9.3	8.5	8.4
15	6.3	6.1	7.0	7.0	8.3	8.2	8.5	8.4	9.4	9.3	8.5	8.4
16	6.2	5.9	7.0	7.0	8.5	8.3	8.5	8.5	9.4	9.3	8.4	8.3
17	6.1	6.0	7.0	7.0	8.5	8.5	8.5	8.4	9.4	9.3	8.3	8.1
18	6.2	6.1	7.0	6.9	8.6	8.5	8.4	8.4	9.3	9.3	8.2	8.0
19	6.4	6.1	7.1	6.9	8.7	8.6	8.4	8.3	9.3	9.3	8.1	7.8
20	6.5	6.2	7.2	7.0	8.7	8.7	8.4	8.3	9.3	9.2	7.9	7.8
21	---	---	7.3	7.2	8.7	8.6	8.4	8.4	9.2	9.1	7.9	7.7
22	6.4	6.1	7.2	7.2	8.8	8.7	8.4	8.3	9.1	9.0	7.9	7.8
23	6.3	6.1	7.2	7.2	8.9	8.8	8.4	8.4	9.1	9.0	---	---
24	6.4	6.2	7.2	7.1	9.0	8.9	8.4	8.3	9.1	8.9	---	---
25	6.5	6.2	7.2	7.1	9.0	9.0	8.4	8.2	8.9	8.9	---	---
26	6.4	6.2	7.2	7.1	9.0	9.0	8.3	8.2	8.9	8.8	---	---
27	6.5	6.2	7.2	7.0	9.0	8.8	8.2	8.2	8.8	8.7	---	---
28	6.4	6.3	7.2	7.0	8.9	8.8	8.3	8.1	8.7	8.6	7.7	7.6
29	6.4	6.3	7.0	6.5	8.9	8.8	8.2	8.2	---	---	7.6	7.5
30	6.4	6.4	6.5	6.5	8.8	8.6	8.3	8.2	---	---	7.6	7.4
31	6.5	6.4	---	---	8.6	8.5	8.3	8.2	---	---	7.4	7.2
MONTH	6.5	5.1	7.3	6.4	9.0	6.3	8.5	7.8	9.4	8.1	8.6	7.2

LOWER MISSISSIPPI RIVER BASIN

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.3	7.2	---	---	7.6	7.6	6.5	6.4	5.9	5.8	6.7	6.5
2	7.3	7.0	---	---	7.6	7.5	6.5	6.5	5.8	5.7	7.0	6.7
3	7.1	7.0	7.3	7.2	7.6	7.6	6.5	6.4	6.0	5.8	7.4	7.0
4	7.1	7.0	7.3	7.2	7.7	7.6	6.5	6.4	6.0	5.7	7.4	7.1
5	7.2	7.0	7.4	7.3	7.6	7.5	6.5	6.4	6.2	5.8	7.1	6.9
6	7.1	7.0	7.4	7.3	7.6	7.5	6.4	6.3	6.4	6.0	7.1	6.7
7	7.0	6.9	7.4	7.3	7.4	7.3	6.4	6.3	6.5	6.2	7.0	6.5
8	6.9	6.9	7.6	7.3	7.4	7.3	6.3	6.2	6.5	6.2	6.4	6.2
9	7.0	6.9	7.6	7.4	7.4	7.4	6.3	6.1	6.8	6.4	6.7	6.0
10	7.0	7.0	7.8	7.6	7.4	7.3	6.2	5.8	6.8	6.5	6.7	6.4
11	7.0	6.8	7.8	7.7	7.4	7.3	5.9	5.8	6.6	6.3	6.8	6.4
12	---	---	7.7	7.6	7.3	7.2	5.8	5.7	6.6	6.2	6.7	6.2
13	---	---	7.8	7.7	7.2	7.1	5.9	5.8	6.9	6.5	6.4	6.0
14	---	---	7.8	7.7	7.2	7.0	6.0	5.9	7.0	6.7	6.3	6.1
15	6.8	6.7	8.2	7.8	7.1	7.0	6.0	5.9	7.1	6.8	6.2	6.1
16	6.7	6.6	8.1	8.1	7.1	7.0	5.9	5.9	7.2	6.8	6.2	6.0
17	6.7	6.6	8.1	8.0	7.0	6.9	5.9	5.8	7.3	7.0	6.3	6.1
18	6.7	6.6	8.0	7.9	7.0	7.0	5.8	5.7	7.3	6.9	6.3	6.1
19	6.8	6.7	8.0	7.9	7.1	7.0	5.8	5.7	7.3	6.9	6.2	6.0
20	6.8	6.8	7.9	7.5	7.2	7.0	5.8	5.8	7.3	7.0	6.0	5.9
21	6.8	6.8	---	---	7.2	7.1	5.8	5.7	7.6	7.1	5.9	5.8
22	6.8	6.8	---	---	7.1	7.0	5.8	5.7	7.8	7.3	5.9	5.8
23	6.8	6.8	---	---	7.0	7.0	5.9	5.8	7.7	7.3	5.8	5.8
24	6.8	6.8	7.8	7.8	7.0	7.0	5.9	5.8	7.6	7.1	6.0	5.8
25	6.8	6.7	7.9	7.8	7.0	6.9	5.9	5.8	7.6	7.1	6.1	6.0
26	6.8	6.7	7.8	7.8	7.0	6.9	6.0	5.9	7.6	7.0	6.1	6.0
27	6.7	6.6	7.8	7.7	7.0	6.9	6.0	5.9	7.4	6.9	6.1	6.1
28	6.7	6.5	7.7	7.6	7.0	6.6	6.1	6.0	7.2	6.9	6.2	6.1
29	---	---	7.6	7.6	6.7	6.6	6.0	5.9	7.4	6.8	6.4	6.0
30	---	---	7.8	7.6	6.6	6.4	5.9	5.7	7.2	7.0	6.6	6.4
31	---	---	7.7	7.6	---	---	5.8	5.7	6.9	6.6	---	---
MONTH	7.3	6.5	8.2	7.2	7.7	6.4	6.5	5.7	7.8	5.7	7.4	5.8

LOWER MISSISSIPPI RIVER BASIN

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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.

REMARKS.--Extremes for current year for specific conductance, water temperatures, and chloride are not published because the number of missing days of record exceeded 20 percent of the year.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 1.5 °C was observed on Feb. 9, 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 692 microsiemens Jan. 31, 1981; minimum daily, 223 microsiemens Mar. 7, 1989.

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, Mar. 7, 1989.

SULFATE: Maximum daily, 93 mg/L Oct. 30, 1976; minimum daily, 28 mg/L Feb. 3, 1975.

DISSOLVED SOLIDS: Maximum, 415 mg/L Nov. 1-10, 1988; minimum, 145 mg/L Feb. 21-28, 1989.

EXTREMES FOR CURRENT YEAR.--

DISSOLVED SOLIDS: Maximum, 415 mg/L Nov. 1-10; minimum, 145 mg/L Feb. 21-28.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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...	1115	590	7.60	23.5	5	5.6	7.3	0.6	260	K16
DEC 20...	0945	362	7.94	9.5	20	41	10.4	1.6	270	210
FEB 17...	1415	306	7.35	9.5	20	80	11.2	3.3	150	84
APR 14...	1300	304	7.58	15.5	30	65	8.6	1.2	K15	450
JUN 28...	1130	363	7.71	25.5	20	85	6.4	1.0	310	590
AUG 10...	1430	413	7.71	29.5	20	9.0	7.6	--	K75	K28

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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...	170	41	16	52	4.0	117	86	51	0.3	4.0
DEC 20...	120	31	10	24	3.1	87	42	28	0.2	5.6
FEB 17...	110	30	8.7	14	3.3	77	38	19	0.2	5.3
APR 14...	110	30	8.5	14	2.7	79	36	17	0.1	5.4
JUN 28...	120	33	9.8	23	2.8	90	36	26	0.2	5.1
AUG 10...	140	38	11	28	3.3	120	51	26	0.3	2.4

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT 17...	337	323	0.01	0.65	0.03	0.03	0.6	0.12	0.12	0.11
DEC 20...	200	198	0.02	0.80	0.09	0.08	0.7	0.25	0.14	0.11
FEB 17...	184	165	0.02	1.1	0.08	0.04	1.0	0.18	0.05	0.04
APR 14...	172	167	0.01	1.2	0.04	0.03	0.7	0.10	0.05	0.04
JUN 28...	217	195	<0.01	1.3	0.01	<0.01	0.4	0.11	0.06	0.07
AUG 10...	247	224	<0.01	0.50	0.03	0.03	0.6	0.12	0.07	0.04

DATE	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)
OCT 17...	10	<1	75	<0.5	1	<1	<3	4	<3	<5
FEB 17...	40	1	43	<0.5	<1	<1	<3	11	43	<5
APR 14...	40	1	48	<0.5	<1	<1	<3	4	39	<5
AUG 10...	30	2	56	<0.5	<1	<1	<3	13	<3	1

DATE	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)
OCT 17...	22	4	<0.1	<10	2	<1	1	240	<6	7
FEB 17...	8	6	<0.1	<10	3	<1	1	130	<6	16
APR 14...	9	7	<0.1	<10	3	<1	<1	120	<6	5
AUG 10...	8	3	<0.1	<10	3	<1	<1	180	<6	11

DATE	GROSS ALPHA, DIS- SOLVED (µG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (µG/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 YT-90)	GROSS BETA, SUSP. TOTAL (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 NATURAL DIS- SOLVED (µG/L AS U)
OCT 17...		3.3	2.1	6.4	0.7	4.8	0.7	0.07	1.2
APR 14...		<0.4	7.8	3.5	5.5	2.6	4.8	0.06	0.26

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

LOWER MISSISSIPPI RIVER BASIN

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07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1988				
17...	200000	3	1620	100
NOV				
16...	245000	--	--	--
DEC				
20...	365000	65	64100	99
JAN 1989				
19...	718000	232	450000	85
FEB				
17...	636000	--	--	--
APR				
14...	883000	264	629000	73
MAY				
17...	516000	--	--	--
JUN				
28...	724000	199	389000	83
JUL				
13...	762000	--	--	--
AUG				
10...	353000	37	35300	99
SEP				
06...	296000	--	--	--

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 °C, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	608	673	---	402	---	242	298	307	327	336	340	471
2	591	674	---	---	---	242	309	308	334	332	355	503
3	559	674	400	392	---	243	312	314	338	331	---	504
4	560	675	434	---	---	233	314	---	348	334	367	516
5	562	676	580	---	---	230	311	328	346	337	348	525
6	560	682	578	379	---	226	308	340	351	346	370	498
7	561	675	---	364	---	223	293	352	350	328	369	479
8	609	678	---	359	---	302	293	354	367	337	394	478
9	609	677	395	343	---	304	298	358	347	322	416	479
10	561	677	380	332	---	305	291	357	358	320	399	471
11	562	---	369	327	---	237	293	---	351	305	397	480
12	561	---	355	---	---	238	289	377	351	288	403	469
13	560	---	343	---	---	305	312	393	347	307	393	477
14	561	---	333	329	---	301	318	374	---	312	409	477
15	548	---	---	318	---	305	296	398	336	---	418	477
16	538	---	---	315	---	306	317	394	344	---	424	463
17	---	671	337	---	---	304	295	385	336	317	429	449
18	---	---	343	---	326	243	294	379	351	---	417	459
19	---	571	---	---	313	244	286	368	---	---	414	468
20	---	578	---	---	---	308	294	310	363	---	418	485
21	---	---	---	---	---	307	297	310	370	300	424	504
22	536	---	---	---	---	308	303	322	370	311	432	491
23	548	---	377	---	---	258	295	301	381	301	434	468
24	---	532	398	---	---	306	304	306	386	303	448	450
25	---	---	386	---	243	265	304	324	401	298	429	442
26	---	---	380	---	242	269	306	319	403	323	417	445
27	---	---	---	---	---	313	317	323	386	---	425	468
28	---	---	---	---	---	311	307	334	371	320	436	---
29	552	---	---	---	---	310	305	340	---	323	446	452
30	552	---	---	---	---	310	305	348	342	336	450	416
31	---	---	394	---	---	304	---	347	---	340	459	---
MAX	---	---	---	---	---	313	318	398	403	346	459	525
MIN	---	---	---	---	---	223	286	301	327	288	340	416

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	22.0	---	12.0	---	---	16.0	21.0	25.0	28.0	27.0	31.0
2	26.0	22.0	---	---	---	---	16.0	20.0	24.0	28.0	27.0	30.0
3	27.0	23.0	16.0	16.0	---	---	18.0	21.0	25.0	27.0	---	31.0
4	26.0	23.0	15.0	---	---	---	20.0	22.0	26.0	28.0	27.0	31.0
5	26.0	22.0	20.0	---	---	---	17.0	22.0	25.0	28.0	29.0	31.0
6	26.0	23.0	19.0	16.0	---	7.0	17.0	22.0	25.0	27.0	29.0	31.0
7	26.0	23.0	---	14.0	---	6.0	16.0	22.0	25.0	27.0	30.0	31.0
8	---	23.0	---	14.0	---	7.0	17.0	23.0	26.0	27.0	30.0	30.0
9	---	23.0	13.0	12.0	---	7.0	17.0	22.0	25.0	28.0	28.0	31.0
10	25.0	22.0	12.0	13.0	---	7.0	18.0	22.0	25.0	27.0	27.0	30.0
11	25.0	---	12.0	14.0	---	10.0	18.0	20.0	26.0	27.0	28.0	31.0
12	25.0	---	12.0	---	---	10.0	16.0	19.0	26.0	28.0	27.0	30.0
13	25.0	---	10.0	---	---	9.0	16.0	20.0	26.0	28.0	28.0	31.0
14	25.0	---	14.0	15.0	---	10.0	17.0	20.0	---	28.0	27.0	32.0
15	18.0	---	---	15.0	---	10.0	18.0	21.0	25.0	---	28.0	29.0
16	21.0	---	---	12.0	---	11.0	18.0	21.0	24.0	---	27.0	26.0
17	---	---	11.0	---	---	10.0	17.0	22.0	23.0	28.0	27.0	26.0
18	---	---	10.0	---	10.0	13.0	17.0	24.0	26.0	---	27.0	25.0
19	---	21.0	---	---	11.0	14.0	18.0	22.0	---	---	27.0	26.0
20	---	20.0	---	---	---	11.0	18.0	21.0	24.0	---	28.0	25.0
21	---	---	---	---	---	11.0	17.0	21.0	23.0	27.0	28.0	25.0
22	21.0	---	---	---	---	11.0	16.0	22.0	26.0	27.0	29.0	28.0
23	20.0	---	12.0	---	---	12.0	19.0	22.0	25.0	26.0	29.0	26.0
24	---	18.0	13.0	---	---	12.0	18.0	21.0	27.0	27.0	29.0	25.0
25	---	---	11.0	---	9.0	14.0	17.0	21.0	27.0	27.0	29.0	25.0
26	---	---	13.0	---	---	15.0	16.0	24.0	27.0	27.0	29.0	25.0
27	---	---	---	---	---	14.0	18.0	25.0	27.0	---	29.0	25.0
28	---	---	---	---	---	14.0	20.0	26.0	27.0	28.0	30.0	---
29	23.0	---	---	---	---	15.0	21.0	26.0	---	27.0	30.0	24.0
30	22.0	---	---	---	---	15.0	22.0	26.0	28.0	27.0	29.0	23.0
31	---	---	13.0	---	---	18.0	---	26.0	---	27.0	30.0	---
MAX	---	---	---	---	---	18.0	22.0	26.0	28.0	28.0	30.0	32.0
MIN	---	---	---	---	---	6.0	16.0	19.0	23.0	26.0	27.0	23.0

CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	56	---	31	---	15	17	16	22	25	27	34
2	50	57	---	---	---	16	18	18	22	22	29	43
3	54	57	31	28	---	16	18	19	22	21	---	43
4	54	58	39	---	---	14	18	24	23	21	27	48
5	54	57	60	---	---	13	18	19	22	22	26	52
6	54	58	50	27	---	13	20	21	23	26	28	46
7	54	57	---	26	---	11	18	23	23	23	30	42
8	56	57	---	25	---	19	18	23	23	25	32	38
9	56	57	31	24	---	19	18	22	23	23	32	40
10	54	57	30	22	---	19	18	24	22	23	29	38
11	54	---	30	22	---	12	18	21	22	20	30	38
12	55	---	28	---	---	13	19	23	21	19	31	39
13	54	---	26	---	---	18	20	27	22	22	27	36
14	54	---	25	22	---	19	18	23	---	22	31	42
15	51	---	---	21	---	18	24	26	22	---	32	41
16	49	---	---	20	---	18	23	25	24	---	31	41
17	---	58	25	---	---	19	18	24	26	17	33	41
18	---	---	26	---	21	13	17	25	23	---	32	36
19	---	49	---	---	19	12	16	23	---	---	28	44
20	---	50	---	---	---	20	18	16	26	---	29	48
21	---	---	---	---	---	13	16	17	24	18	32	49
22	50	---	---	---	---	19	18	19	25	20	35	50
23	53	---	31	---	---	20	17	16	27	22	36	46
24	---	40	34	---	---	18	17	16	28	24	36	42
25	---	---	32	---	16	19	17	20	34	22	30	42
26	---	---	30	---	15	19	18	18	35	24	30	40
27	---	---	---	---	19	13	21	19	31	---	31	40
28	---	---	---	---	18	13	17	19	31	22	28	---
29	50	---	---	---	---	20	18	21	---	25	30	36
30	48	---	---	---	---	20	19	23	26	28	33	36
31	---	---	32	---	---	---	---	23	---	27	34	---
MAX	---	---	---	---	---	20	24	27	35	28	36	52
MIN	---	---	---	---	---	11	16	16	21	17	26	34

LOWER MISSISSIPPI RIVER BASIN

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07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT		APR	
01-10	332	01-10	180
11-20	322	11-20	179
21-31	303	21-30	192
NOV		MAY	
01-10	415	01-10	200
11-20	354	11-20	224
21-30	309	21-31	191
DEC		JUN	
01-10	282	01-10	210
11-20	210	11-20	194
21-31	228	21-30	224
JAN		JUL	
01-10	230	01-10	191
11-20	195	11-20	181
FEB		21-31	184
11-20	201	AUG	
21-28	145	01-10	223
MAR		11-20	235
01-10	149	21-31	243
11-20	157	SEP	
21-31	167	01-10	277
		11-20	273
		21-30	269

LOWER MISSISSIPPI RIVER BASIN

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 17...	1530	3760	7.68	24.5	5	3.5	<1	7.1	24	0.8
NOV 16...	1100	5260	7.95	19.0	5	3.8	<1	9.1	190	1.0
DEC 19...	1230	342	7.39	10.0	20	55	<1	10.3	19	1.9
JAN 19...	1600	302	7.24	10.0	30	80	<1	10.2	16	1.7
FEB 17...	1700	310	7.35	8.5	20	73	<1	11.2	17	2.6
MAR 17...	1100	239	7.41	10.5	30	50	<1	10.0	14	2.2
APR 01...	1130	304	7.74	14.0	30	55	<1	8.4	13	1.8
MAY 16...	1400	379	7.65	20.5	10	43	<1	7.6	22	1.3
JUN 29...	1300	366	7.73	27.0	20	55	<1	6.1	36	0.3
JUL 14...	1130	307	7.50	28.5	15	55	<1	5.8	28	0.4
AUG 11...	1330	429	7.65	30.0	20	6.3	<1	7.6	20	1.3
SEP 06...	1130	1350	7.93	31.0	15	1.4	<1	7.8	15	2.2

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS TOTAL (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 17...	290	K32	500	56	87	113	200	950	16	0.02
NOV 16...	1100	100	230	65	160	123	710	1400	23	0.02
DEC 19...	2600	130	120	30	10	81	40	25	55	0.02
JAN 19...	1900	220	110	29	9.2	82	35	19	227	0.05
FEB 17...	1100	120	120	32	9.4	86	37	19	111	0.03
MAR 17...	--	4700	90	25	6.6	77	29	13	219	0.03
APR 01...	3000	--	110	29	8.4	80	34	17	133	0.04
MAY 16...	1000	230	160	39	14	96	51	22	115	0.01
JUN 29...	2900	190	120	34	9.6	102	38	31	161	0.01
JUL 14...	2200	260	100	28	7.8	82	39	19	131	0.01
AUG 11...	500	K10	140	37	12	98	50	34	13	0.01
SEP 06...	390	56	240	47	29	141	89	280	10	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).

LOWER MISSISSIPPI RIVER BASIN

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07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)
OCT 17...	0.62	0.33	0.15	2	1	<10	<10	<1	<1	10
NOV 16...	0.58	0.33	0.13	2	2	<10	<10	1	<1	10
DEC 19...	0.79	0.68	0.25	2	1	<10	<10	<1	<1	<10
JAN 19...	0.92	0.48	0.72	3	<1	<10	<10	<1	1	<10
FEB 17...	1.1	0.38	0.45	3	<1	<10	<10	<1	<1	<10
MAR 17...	0.93	0.36	0.37	4	<1	<10	<10	1	1	<10
APR 01...	1.2	0.56	0.28	3	<1	<10	<10	<1	<1	<10
MAY 16...	1.4	0.25	0.24	3	1	<10	<10	<1	<1	<10
JUN 29...	1.3	0.35	0.41	4	1	<10	<10	<1	<1	<10
JUL 14...	0.87	0.26	0.26	4	1	<10	<10	1	<1	<10
AUG 11...	0.64	0.49	0.11	2	1	<10	<10	<1	<1	<10
SEP 06...	0.39	0.29	0.14	1	1	<10	<10	<1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)
OCT 17...	1	7	4	<10	<5	<5	<0.1	<0.1	<1	<1
NOV 16...	<1	3	3	40	5	<5	0.8	0.1	--	--
DEC 19...	<1	50	12	20	10	<5	<0.1	<0.1	5	3
JAN 19...	<1	5	5	50	<5	<5	<0.1	<0.1	7	1
FEB 17...	<1	10	3	10	10	<5	<0.1	<0.1	9	1
MAR 17...	<1	10	2	30	7	<5	<0.1	<0.1	10	1
APR 01...	<1	10	4	20	9	<5	<0.1	0.1	10	2
MAY 16...	<1	10	5	10	7	<5	<0.1	<0.1	7	3
JUN 29...	<1	10	4	10	20	<5	<0.1	<0.1	9	2
JUL 14...	<1	10	6	<10	10	<1	<0.1	<0.1	6	2
AUG 11...	<1	8	8	10	10	1	<0.1	<0.1	3	2
SEP 06...	<1	4	4	<25	5	<1	<0.1	<0.1	1	5

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

LOWER MISSISSIPPI RIVER BASIN

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 17...	<1	<1	16	30	10	3.6	<0.01	1	<1
NOV 16...	<1	<1	18	20	20	3.7	<0.01	1	3
DEC 19...	<1	<1	2	30	10	5.6	<0.01	<1	<1
JAN 19...	<1	<1	1	20	<10	7.8	<0.01	<1	2
FEB 17...	<1	<1	<1	30	10	5.7	<0.01	6	1
MAR 17...	<1	<1	1	40	50	8.4	<0.01	2	3
APR 01...	<1	<1	<1	30	<10	5.7	<0.01	7	<1
MAY 16...	<1	<1	1	20	<10	5.4	<0.01	3	3
JUN 29...	<1	<1	1	30	<10	6.1	<0.01	4	3
JUL 14...	<1	<1	1	40	10	5.9	<0.01	6	2
AUG 11...	<1	<1	2	10	10	4.1	<0.01	3	3
SEP 06...	<1	<1	7	10	<10	3.6	<0.01	<1	2

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

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 discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years, 160 ft³/s, 22.75 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, 4.75 ft, Oct. 4, 5, 6, 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)
Dec. 24	1230	1,460	14.05	May 20	1330	1,850	14.97
Mar. 30	1930	*4,930	*18.49				

Minimum discharge, 48 ft³/s, Nov. 8, 9, 10, Sept. 23, 24, 25, 26, 27, 28; minimum gage height, 5.06 ft, Sept. 23, 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	51	86	176	78	76	685	85	55	157	193	59
2	465	52	73	346	75	75	248	108	57	116	778	56
3	490	51	67	228	73	220	170	72	95	123	672	56
4	333	50	63	149	71	195	139	65	109	231	209	54
5	225	50	61	122	68	124	124	181	112	354	118	54
6	119	50	59	104	68	333	117	406	398	289	94	53
7	92	49	58	97	67	483	105	301	273	191	83	94
8	78	49	58	91	68	194	92	112	150	206	99	111
9	71	48	57	85	66	129	83	84	394	128	124	66
10	68	49	58	89	64	106	78	73	449	97	88	58
11	65	51	168	124	64	93	79	67	142	84	75	56
12	62	56	411	144	64	85	77	63	105	76	70	86
13	59	57	283	116	64	78	73	61	89	72	67	72
14	57	71	149	118	64	74	72	60	126	100	64	59
15	56	60	115	295	64	72	72	59	238	123	62	75
16	55	55	101	347	63	69	74	57	135	103	61	78
17	54	54	102	177	62	67	71	56	96	95	59	61
18	53	53	94	135	61	65	68	57	82	90	58	55
19	53	52	84	149	62	64	66	105	81	86	65	53
20	52	55	78	338	62	63	65	1260	78	73	88	51
21	52	66	75	448	102	65	63	850	73	68	64	51
22	51	60	73	326	214	76	62	337	75	65	60	52
23	51	55	174	192	142	248	60	166	90	66	62	49
24	53	53	1200	152	88	360	59	115	98	81	84	49
25	52	52	958	129	75	171	59	91	91	118	64	48
26	50	53	529	114	71	120	58	78	77	102	59	49
27	52	94	253	103	69	100	57	70	70	82	57	49
28	54	275	183	95	69	89	55	65	98	74	56	50
29	52	316	161	89	---	166	61	62	205	66	102	58
30	52	118	140	84	---	2940	108	59	128	63	87	92
31	52	---	123	81	---	2220	---	57	---	72	65	---
TOTAL	3356	2205	6094	5243	2158	9220	3200	5282	4269	3651	3887	1854
MEAN	108	73.5	197	169	77.1	297	107	170	142	118	125	61.8
MAX	490	316	1200	448	214	2940	685	1260	449	354	778	111
MIN	50	48	57	81	61	63	55	56	55	63	56	48
CFSM	1.05	.71	1.91	1.64	.75	2.89	1.04	1.65	1.38	1.14	1.22	.60
IN.	1.21	.80	2.20	1.89	.78	3.33	1.16	1.91	1.54	1.32	1.40	.67
CAL YR 1988	TOTAL 79485		MEAN 217	MAX 6600	MIN 43	CFSM 2.11	IN. 28.71					
WTR YR 1989	TOTAL 50419		MEAN 138	MAX 2940	MIN 48	CFSM 1.34	IN. 18.21					

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.14	5.46	6.02	7.09	5.90	5.87	10.88	6.01	5.54	6.89	7.04	5.46
2	9.60	5.48	5.84	8.71	5.87	5.86	7.85	6.32	5.57	6.36	11.47	5.42
3	9.77	5.46	5.73	7.64	5.84	7.54	7.05	5.82	6.14	6.45	10.87	5.40
4	8.62	5.45	5.67	6.81	5.79	7.31	6.70	5.71	6.34	7.67	7.43	5.38
5	7.60	5.44	5.63	6.49	5.76	6.52	6.52	7.12	6.34	8.77	6.38	5.37
6	6.46	5.44	5.61	6.27	5.75	8.54	6.44	9.16	9.08	8.20	6.03	5.36
7	6.10	5.43	5.59	6.17	5.74	9.71	6.28	8.24	8.03	7.28	5.85	5.98
8	5.91	5.42	5.58	6.09	5.75	7.30	6.10	6.36	6.83	7.43	6.09	6.26
9	5.80	5.41	5.57	6.01	5.72	6.59	5.98	5.99	8.96	6.52	6.47	5.57
10	5.75	5.42	5.59	6.05	5.69	6.29	5.91	5.83	9.38	6.07	5.94	5.44
11	5.71	5.46	6.97	6.52	5.68	6.12	5.93	5.74	6.70	5.88	5.73	5.40
12	5.66	5.55	9.20	6.75	5.68	6.00	5.89	5.68	6.19	5.75	5.65	5.90
13	5.61	5.57	8.14	6.43	5.68	5.91	5.84	5.63	5.95	5.68	5.60	5.68
14	5.57	5.79	6.81	6.44	5.68	5.85	5.81	5.62	6.47	6.10	5.55	5.46
15	5.55	5.61	6.40	8.25	5.68	5.81	5.81	5.61	7.77	6.45	5.52	5.72
16	5.53	5.54	6.23	8.70	5.67	5.77	5.84	5.58	6.61	6.16	5.49	5.77
17	5.52	5.52	6.24	7.12	5.66	5.73	5.80	5.56	6.06	6.04	5.47	5.50
18	5.50	5.49	6.13	6.65	5.64	5.70	5.75	5.57	5.85	5.96	5.45	5.40
19	5.49	5.47	6.00	6.81	5.65	5.69	5.72	6.20	5.83	5.90	5.57	5.36
20	5.49	5.53	5.90	8.62	5.66	5.67	5.70	12.94	5.78	5.70	5.93	5.32
21	5.48	5.73	5.86	9.48	6.20	5.70	5.67	11.78	5.69	5.61	5.55	5.31
22	5.47	5.62	5.83	8.52	7.52	5.87	5.64	8.58	5.73	5.56	5.48	5.33
23	5.46	5.53	6.91	7.29	6.72	7.79	5.62	7.00	5.96	5.59	5.51	5.28
24	5.50	5.50	13.12	6.85	6.04	8.80	5.61	6.41	6.09	5.82	5.88	5.27
25	5.48	5.49	12.33	6.58	5.86	7.06	5.60	6.08	5.98	6.39	5.56	5.27
26	5.45	5.50	10.00	6.39	5.80	6.47	5.58	5.91	5.76	6.14	5.47	5.27
27	5.48	6.09	7.89	6.25	5.76	6.21	5.56	5.79	5.65	5.84	5.44	5.28
28	5.51	8.09	7.19	6.14	5.76	6.06	5.54	5.71	6.07	5.71	5.40	5.30
29	5.48	8.41	6.95	6.06	---	6.80	5.63	5.65	7.42	5.58	6.13	5.44
30	5.48	6.44	6.71	6.00	---	16.01	6.31	5.60	6.52	5.53	5.92	6.00
31	5.48	---	6.51	5.94	---	15.34	---	5.56	---	5.68	5.56	---
MAX	9.77	8.41	13.12	9.48	7.52	16.01	10.88	12.94	9.38	8.77	11.47	6.26
MIN	5.45	5.41	5.57	5.94	5.64	5.67	5.54	5.56	5.54	5.53	5.40	5.27

MISSISSIPPI RIVER DELTA

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07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'40", long 90°10'10", in SW 1/4 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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 14...	0930	95	40	6.80	16.0	10	5.8	9.2	0.9	92	85
JAN 05...	1115	201	54	6.78	13.5	60	13	9.5	1.7	300	270
APR 12...	0915	121	40	6.94	14.0	30	5.5	9.1	0.6	--	96
JUL 07...	1100	527	44	6.20	24.0	120	27	6.3	5.4	240	380

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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)
OCT 14...	8	1.7	0.94	3.9	1.2	9	3.0	4.3	<0.1	14	32
JAN 05...	10	2.1	1.2	5.3	2.6	14	2.6	5.7	<0.1	9.9	52
APR 12...	9	1.8	1.0	3.6	1.5	10	1.1	4.6	0.1	13	33
JUL 07...	9	2.1	1.0	2.4	2.9	8	3.0	4.9	<0.1	6.8	50

DATE	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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)
OCT 14...	36	<0.01	0.21	<0.01	0.01	<0.2	0.08	0.05	0.02	20
JAN 05...	39	0.01	0.35	0.09	0.10	0.6	0.12	0.08	0.06	150
APR 12...	34	<0.01	0.30	0.03	0.03	0.4	0.07	0.04	0.04	70
JUL 07...	32	0.01	0.32	0.14	0.13	1.1	0.16	0.10	0.08	190

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

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 14...	<1	25	<0.5	<1	<1	<3	1	220	<5	<4	35
JAN 05...	<1	32	<0.5	2	<1	<3	3	380	<5	<4	65
APR 12...	<1	27	<0.5	<1	<1	<3	2	330	<5	<4	52
JUL 07...	1	35	<0.5	<1	<1	<3	9	450	6	<4	63

DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 14...	<0.1	<10	1	<1	<1	17	<6	27	8	2.1	100
JAN 05...	<0.1	<10	2	<1	<1	19	<6	11	16	5.7	98
APR 12...	<0.1	<10	1	<1	1	18	<6	5	10	3.3	95
JUL 07...	<0.1	<10	3	<1	<1	18	<6	16	38	54	98

< 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 secs.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 discharges. Records fair. Several measurements of water temperature were made during the year

AVERAGE DISCHARGE.--51 years, 1,151 ft³/s, 24.20 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)
Jan. 3	0600	10,800	16.72	Mar. 31	0530	*14,800	*17.79

Minimum discharge, 421 ft³/s, Sept. 28; minimum gage height, 5.88 ft, Nov. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	506	1000	2580	722	646	8560	724	588	2340	844	510
2	1540	486	827	7320	704	658	2810	634	603	1560	1450	497
3	1440	473	725	9910	695	1160	1490	569	1150	1570	1330	487
4	2050	461	666	4340	676	1710	1190	567	938	2800	895	481
5	2330	450	624	1700	664	1370	1060	1210	1500	4560	767	472
6	1400	492	593	1300	656	1470	1230	2610	1550	5050	705	471
7	927	496	568	1130	666	1270	982	1760	1380	2650	709	475
8	762	457	550	1040	697	949	866	1130	1240	1720	1070	505
9	679	448	543	974	638	814	795	857	3040	1300	1390	493
10	636	451	597	961	603	726	746	735	3380	1080	843	472
11	605	482	1430	1100	583	670	721	669	1470	1270	711	476
12	577	516	2230	1160	570	629	699	627	1030	1130	661	566
13	550	511	1660	1090	558	601	683	599	872	927	635	579
14	532	636	1150	1170	548	578	665	580	826	835	616	581
15	519	696	971	1780	541	557	652	572	1470	1080	602	571
16	508	601	865	2000	533	541	639	556	2530	2430	590	611
17	500	527	787	1480	531	527	623	637	1720	2490	580	557
18	493	491	735	1180	527	517	599	602	1110	1380	566	501
19	486	482	678	1390	519	505	583	1370	901	1120	565	473
20	482	511	641	2240	517	493	569	3890	797	960	624	457
21	478	1280	611	2350	888	530	551	5230	741	966	602	449
22	472	2130	588	1850	2740	751	538	4920	717	881	566	443
23	466	1730	1260	1380	1990	1380	525	2010	734	827	556	438
24	470	895	4820	1140	1140	1940	517	1210	688	777	553	432
25	462	713	7010	1010	887	1330	509	977	676	775	591	434
26	457	631	3610	927	768	953	499	844	654	854	547	429
27	466	807	2270	869	702	794	494	756	628	837	528	426
28	478	2570	1560	822	667	700	489	699	627	879	517	428
29	523	3320	1200	788	---	943	640	662	1190	998	539	722
30	748	1510	1070	762	---	7690	973	633	2970	901	539	1380
31	582	---	969	743	---	13600	---	610	---	822	543	---
TOTAL	23618	25759	42808	58486	21930	47002	31897	39449	37720	47769	22234	15816
MEAN	762	859	1381	1887	783	1516	1063	1273	1257	1541	717	527
MAX	2330	3320	7010	9910	2740	13600	8560	5230	3380	5050	1450	1380
MIN	457	448	543	743	517	493	489	556	588	775	517	426
CFSM	1.18	1.33	2.14	2.92	1.21	2.35	1.65	1.97	1.95	2.39	1.11	.82
IN.	1.36	1.48	2.47	3.37	1.26	2.71	1.84	2.27	2.17	2.75	1.28	.91
CAL YR 1988	TOTAL 488523		MEAN 1335	MAX 17500	MIN 364	CFSM 2.07	IN. 28.13					
WTR YR 1989	TOTAL 414488		MEAN 1136	MAX 13600	MIN 426	CFSM 1.76	IN. 23.87					

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.77	6.11	7.81	11.17	7.06	6.87	15.89	7.16	6.52	11.33	7.28	6.21
2	9.35	6.04	7.24	15.36	7.00	6.92	12.04	6.84	6.56	9.51	9.16	6.16
3	9.08	5.99	6.90	16.41	6.97	8.48	9.55	6.61	8.37	9.53	8.81	6.13
4	10.60	5.95	6.70	13.38	6.91	10.08	8.71	6.60	7.70	12.02	7.45	6.11
5	11.20	5.90	6.55	9.90	6.87	9.16	8.33	8.60	9.39	14.00	7.01	6.08
6	8.94	6.06	6.44	8.78	6.84	9.44	8.81	11.95	9.53	14.36	6.80	6.08
7	7.54	6.07	6.36	8.31	6.89	8.88	8.09	10.15	9.02	11.86	6.81	6.10
8	6.99	5.93	6.30	8.04	7.00	7.90	7.72	8.42	8.62	9.95	7.98	6.22
9	6.72	5.90	6.27	7.82	6.79	7.47	7.48	7.56	12.43	8.78	8.98	6.18
10	6.57	5.91	6.46	7.79	6.67	7.18	7.33	7.15	12.82	8.11	7.29	6.11
11	6.46	6.02	9.05	8.22	6.60	6.99	7.25	6.92	9.26	8.68	6.84	6.13
12	6.36	6.15	11.05	8.39	6.56	6.85	7.18	6.76	7.96	8.24	6.67	6.47
13	6.27	6.13	9.68	8.19	6.52	6.75	7.12	6.66	7.44	7.61	6.58	6.51
14	6.20	6.58	8.27	8.44	6.49	6.68	7.04	6.59	7.29	7.29	6.52	6.52
15	6.15	6.79	7.73	10.16	6.47	6.61	6.99	6.55	9.21	8.05	6.46	6.49
16	6.11	6.46	7.39	10.67	6.44	6.55	6.94	6.49	11.75	11.48	6.42	6.64
17	6.08	6.20	7.14	9.33	6.44	6.51	6.88	6.77	9.92	11.52	6.39	6.45
18	6.05	6.07	6.96	8.48	6.42	6.47	6.80	6.64	8.21	8.98	6.35	6.25
19	6.03	6.03	6.77	9.11	6.40	6.43	6.73	8.90	7.54	8.20	6.35	6.15
20	6.01	6.14	6.64	11.19	6.39	6.39	6.68	13.41	7.19	7.70	6.57	6.10
21	6.00	8.59	6.54	11.42	7.56	6.53	6.62	14.50	6.99	7.72	6.49	6.07
22	5.98	10.79	6.47	10.34	12.12	7.29	6.56	14.25	6.92	7.43	6.37	6.06
23	5.95	9.78	8.31	9.08	10.60	9.20	6.51	10.62	6.97	7.24	6.34	6.04
24	5.97	7.45	13.91	8.38	8.45	10.68	6.47	8.61	6.81	7.07	6.34	6.03
25	5.94	6.85	15.25	7.98	7.68	9.07	6.44	7.88	6.76	7.06	6.47	6.04
26	5.92	6.56	12.98	7.72	7.29	7.97	6.40	7.43	6.68	7.32	6.32	6.02
27	5.95	7.15	11.18	7.53	7.07	7.45	6.37	7.14	6.59	7.27	6.26	6.01
28	6.00	11.65	9.47	7.38	6.95	7.14	6.34	6.94	6.58	7.41	6.22	6.03
29	6.17	12.62	8.47	7.27	---	7.81	6.86	6.80	6.33	7.80	6.31	7.08
30	6.96	9.24	8.07	7.19	---	15.36	7.97	6.69	12.42	7.47	6.31	9.12
31	6.39	---	7.78	7.12	---	17.48	---	6.60	---	7.21	6.33	---
MAX	11.20	12.62	15.25	16.41	12.12	17.48	15.89	14.50	12.82	14.36	9.16	9.12
MIN	5.92	5.90	6.27	7.12	6.39	6.39	6.34	6.49	6.52	7.06	6.22	6.01

MISSISSIPPI RIVER DELTA

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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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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 KF AGAR (COLS. PER 100 ML)
OCT											
14...	1200	532	50	6.99	16.5	10	5.7	9.2	1.0	98	210
JAN											
06...	0900	1310	47	6.62	15.5	40	18	9.2	0.8	570	610
APR											
12...	1015	689	50	6.98	15.5	20	6.0	9.0	0.6	--	62
JUL											
07...	1130	2690	49	6.24	24.5	60	33	6.7	2.2	K2200	K2800

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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)
OCT											
14...	10	2.5	0.96	4.6	1.5	13	3.0	5.0	<0.1	15	40
JAN											
06...	10	2.3	1.1	3.7	2.1	11	5.4	4.7	<0.1	11	37
APR											
12...	11	2.5	1.1	4.5	1.6	12	2.0	4.8	0.1	13	32
JUL											
07...	11	2.6	0.98	3.5	2.3	10	3.0	5.4	<0.1	8.5	49

DATE	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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)
OCT										
14...	41	<0.01	0.24	0.02	0.02	<0.2	0.07	0.05	0.02	10
JAN										
06...	37	<0.01	0.25	0.07	0.10	0.5	0.08	0.03	0.02	120
APR										
12...	37	<0.01	0.29	0.04	0.04	0.4	0.06	0.03	0.03	30
JUL										
07...	34	0.01	0.29	0.13	0.12	0.8	0.12	0.08	0.06	90

< 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

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 14...	<1	33	<0.5	<1	<1	<3	1	180	<5	<4	88
JAN 06...	<1	35	<0.5	<1	<1	<3	1	200	<5	<4	85
APR 12...	<1	37	<0.5	<1	<1	<3	1	290	<5	<4	130
JUL 07...	<1	33	<0.5	<1	<1	<3	10	270	3	<4	39
DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 14...	<0.1	<10	<1	<1	<1	25	<6	20	13	19	84
JAN 06...	<0.1	<10	<1	<1	<1	22	<6	10	68	241	88
APR 12...	<0.1	<10	<1	<1	<1	25	<6	4	22	41	91
JUL 07...	<0.1	<10	1	<1	<1	22	<6	26	55	399	97

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

MISSISSIPPI RIVER DELTA

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07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between secs.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). 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, 3,670 ft³/s, Jan. 1, gage height, 10.27 ft; minimum gage height, 2.34 ft, Oct. 20, 21, 22-23, 24, Sept. 24, 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.69	2.44	2.87	9.75	2.53	2.59	3.70	2.58	2.50	2.87	2.53	2.41
2	2.93	2.42	2.73	8.08	2.52	3.13	3.01	2.56	2.55	2.68	2.87	2.40
3	3.22	2.41	2.68	4.52	2.51	5.29	2.79	2.56	2.62	4.00	2.84	2.40
4	4.43	2.39	2.61	3.39	2.50	3.82	2.72	2.78	2.98	4.49	2.58	2.39
5	2.91	2.41	2.57	3.06	2.50	3.16	5.77	5.15	3.34	4.39	2.50	2.40
6	2.63	2.44	2.55	2.89	2.53	3.06	4.41	4.89	3.37	3.24	2.47	2.41
7	2.53	2.41	2.54	2.81	2.62	2.87	3.23	3.06	3.46	2.91	2.46	2.40
8	2.47	2.42	2.54	2.75	2.63	2.72	2.95	2.78	3.77	2.77	2.50	2.41
9	2.45	2.44	2.52	2.73	2.58	2.64	2.83	2.67	5.03	2.84	2.46	2.40
10	2.45	2.44	2.59	3.02	2.55	2.59	2.75	2.62	3.56	5.78	2.44	2.42
11	2.43	2.76	3.92	3.25	2.53	2.55	2.71	2.59	2.91	4.55	2.44	2.46
12	2.41	2.53	4.29	3.11	2.52	2.52	2.66	2.56	2.72	3.32	2.43	3.19
13	2.39	2.54	3.33	3.26	2.52	2.51	2.66	2.57	2.61	2.85	2.43	2.75
14	2.38	2.56	2.97	4.20	2.53	2.52	2.64	2.59	2.97	2.81	2.43	2.47
15	2.37	2.49	2.81	5.29	2.54	2.51	2.63	2.57	4.78	5.45	2.43	2.98
16	2.37	2.47	2.82	4.09	2.54	2.46	2.60	3.05	4.46	4.70	2.43	2.70
17	2.36	2.46	2.82	3.22	2.54	2.43	2.57	2.83	3.06	3.57	2.43	2.47
18	2.35	2.46	2.77	3.25	2.53	2.41	2.57	2.94	2.76	3.55	2.44	2.41
19	2.35	2.72	2.70	4.89	2.53	2.39	2.54	7.28	2.63	3.10	2.57	2.38
20	2.35	5.86	2.67	4.28	2.53	2.44	2.52	8.39	2.57	5.04	2.49	2.37
21	2.35	7.27	2.67	4.04	5.63	2.50	2.53	4.64	2.52	3.88	2.45	2.36
22	2.34	3.87	2.67	3.35	6.79	2.80	2.53	3.21	2.50	2.96	2.44	2.35
23	2.34	3.01	3.58	3.03	3.73	4.16	2.55	2.94	2.48	2.74	2.44	2.35
24	2.35	2.79	5.88	2.86	3.01	4.06	2.54	2.79	2.47	2.65	2.45	2.34
25	2.38	2.70	5.77	2.76	2.81	3.06	2.55	2.70	2.46	2.63	2.44	2.35
26	2.39	2.75	3.69	2.68	2.71	2.79	2.55	2.63	2.45	2.62	2.44	2.35
27	2.42	5.39	3.18	2.63	2.66	2.67	2.56	2.59	2.45	2.79	2.42	2.35
28	2.43	6.82	3.04	2.58	2.63	2.59	2.58	2.55	2.58	2.88	2.41	2.35
29	3.26	3.99	2.99	2.57	---	4.49	2.60	2.53	3.49	3.01	2.42	2.63
30	2.86	3.11	2.89	2.56	---	8.70	2.61	2.51	3.56	2.65	2.43	3.86
31	2.51	---	5.44	2.54	---	7.59	---	2.50	---	2.56	2.42	---
MAX	4.43	7.27	5.88	9.75	6.79	8.70	5.77	8.39	5.03	5.78	2.87	3.86
MIN	2.34	2.39	2.52	2.54	2.50	2.39	2.52	2.50	2.45	2.56	2.41	2.34

MISSISSIPPI RIVER DELTA

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

AVERAGE DISCHARGE.--49 years, 372 ft³/s, 20.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,470 ft³/s, Apr. 7, 1983, gage height, 21.04 ft; from floodmark, 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)
Dec. 25	1500	2,110	8.77	May 21	0430	2,730	10.28
Jan. 4	0330	*4,330	*13.48	June 10	0930	2,410	9.51
Apr. 1	0830	4,200	13.29				

Minimum discharge, 104 ft³/s, Nov. 9, 10; minimum gage height, 1.09 ft, Sept. 10, 11, 27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	175	729	654	200	215	4030	130	154	621	217	135
2	189	129	341	1660	190	215	3230	127	166	424	220	128
3	653	115	255	3210	185	300	1780	124	178	349	189	123
4	407	111	213	4010	179	540	576	144	170	552	201	122
5	315	110	188	2670	173	712	429	273	203	723	199	123
6	366	107	170	819	167	486	426	500	321	777	172	123
7	219	105	157	520	170	351	756	611	381	682	161	122
8	169	105	148	418	193	299	601	518	504	471	222	122
9	148	105	142	359	203	255	358	253	1720	375	356	120
10	135	106	149	331	192	223	290	194	2270	292	236	119
11	128	117	503	374	181	201	255	166	1140	336	180	123
12	125	112	959	494	172	185	232	151	526	625	231	192
13	121	132	1110	562	164	175	214	149	326	501	177	173
14	118	129	668	563	160	166	205	141	284	316	154	207
15	115	127	418	791	156	157	196	133	392	256	144	270
16	113	118	324	927	153	151	186	132	1200	306	141	214
17	112	112	272	881	149	148	182	128	1210	598	138	205
18	112	109	251	606	147	145	173	179	604	542	136	177
19	110	108	232	483	147	143	165	923	363	366	134	147
20	109	114	211	784	146	138	159	2290	286	342	133	135
21	109	168	193	1110	228	135	155	2680	247	465	140	128
22	107	540	181	885	752	167	149	2520	227	739	138	124
23	106	763	539	630	915	307	147	1990	212	447	131	122
24	106	551	1550	455	972	632	145	586	201	290	131	120
25	110	256	2060	366	564	666	141	350	202	246	132	119
26	107	204	1700	310	321	474	136	277	203	221	129	118
27	109	306	1230	277	262	308	133	237	183	202	126	118
28	110	546	644	253	234	245	131	210	181	190	143	124
29	110	1100	430	234	---	457	130	189	201	199	278	255
30	115	1220	365	217	---	1680	131	174	432	210	220	559
31	199	---	327	209	---	2920	---	162	---	220	149	---
TOTAL	5200	8000	16659	26062	7675	13196	15841	16641	14687	12883	5458	4867
MEAN	168	267	537	841	274	426	528	537	490	416	176	162
MAX	653	1220	2060	4010	972	2920	4030	2680	2270	777	356	559
MIN	106	105	142	209	146	135	130	124	154	190	126	118
CFSM	.68	1.08	2.18	3.40	1.11	1.72	2.14	2.17	1.98	1.68	.71	.66
IN.	.78	1.20	2.51	3.93	1.16	1.99	2.39	2.51	2.21	1.94	.82	.73

CAL YR 1988	TOTAL 161349	MEAN 441	MAX 5520	MIN 97	CFSM 1.85	IN. 24.30
WTR YR 1989	TOTAL 147169	MEAN 403	MAX 4030	MIN 105	CFSM 1.63	IN. 22.16

MISSISSIPPI RIVER DELTA

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07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.59	1.79	4.52	4.30	1.97	2.08	13.02	1.43	1.63	4.13	1.89	1.25
2	1.88	1.43	2.83	7.55	1.90	2.08	11.42	1.40	1.73	3.16	1.92	1.20
3	4.72	1.29	2.34	11.39	1.87	2.60	7.77	1.38	1.82	2.75	1.69	1.15
4	3.38	1.24	2.06	13.02	1.82	3.79	3.96	1.54	1.76	3.79	1.78	1.14
5	2.80	1.23	1.89	10.15	1.78	4.54	3.28	2.38	1.99	4.59	1.77	1.15
6	3.10	1.18	1.76	4.94	1.74	3.55	3.26	3.62	2.73	4.79	1.56	1.15
7	2.15	1.16	1.66	3.71	1.76	2.88	4.70	4.11	3.04	4.37	1.47	1.14
8	1.77	1.16	1.59	3.23	1.92	2.60	4.05	3.70	3.59	3.40	1.92	1.14
9	1.59	1.15	1.54	2.93	1.99	2.34	2.92	2.32	7.69	2.89	2.79	1.12
10	1.48	1.16	1.58	2.78	1.91	2.13	2.55	1.93	9.18	2.41	2.03	1.10
11	1.42	1.30	3.62	3.00	1.84	1.98	2.33	1.73	5.99	2.64	1.62	1.15
12	1.38	1.25	5.40	3.59	1.77	1.86	2.19	1.61	3.74	4.15	1.99	1.70
13	1.35	1.45	5.92	3.90	1.72	1.80	2.07	1.60	2.75	3.54	1.60	1.57
14	1.32	1.42	4.34	3.90	1.68	1.73	2.00	1.53	2.51	2.55	1.42	1.81
15	1.29	1.41	3.23	4.83	1.66	1.66	1.95	1.46	3.10	2.17	1.34	2.27
16	1.27	1.32	2.74	5.32	1.63	1.61	1.87	1.45	6.17	2.47	1.31	1.88
17	1.25	1.25	2.44	5.16	1.60	1.59	1.85	1.42	6.21	4.02	1.29	1.82
18	1.24	1.20	2.31	4.09	1.59	1.57	1.78	1.81	4.02	3.74	1.27	1.59
19	1.23	1.20	2.19	3.54	1.58	1.55	1.72	5.04	2.83	2.84	1.25	1.36
20	1.21	1.28	2.05	4.78	1.57	1.50	1.68	9.20	2.37	2.71	1.24	1.26
21	1.20	1.68	1.92	5.91	2.11	1.48	1.64	10.18	2.11	3.35	1.30	1.20
22	1.18	3.80	1.84	5.17	4.68	1.72	1.60	9.79	1.97	4.65	1.29	1.16
23	1.17	4.74	3.56	4.20	5.28	2.63	1.58	8.42	1.86	3.27	1.22	1.14
24	1.17	3.85	7.23	3.41	5.47	4.20	1.57	3.97	1.78	2.39	1.22	1.12
25	1.22	2.34	8.63	2.96	3.87	4.35	1.53	2.88	1.79	2.11	1.23	1.11
26	1.19	2.00	7.65	2.67	2.72	3.49	1.49	2.47	1.79	1.93	1.20	1.10
27	1.21	2.64	6.30	2.47	2.38	2.65	1.46	2.22	1.64	1.79	1.18	1.09
28	1.23	3.83	4.23	2.33	2.20	2.27	1.44	2.04	1.62	1.70	1.32	1.16
29	1.22	5.88	3.29	2.20	---	3.21	1.44	1.89	1.78	1.76	2.29	2.15
30	1.28	6.28	2.96	2.10	---	7.62	1.44	1.79	3.21	1.85	1.91	3.80
31	1.95	---	2.76	2.03	---	10.68	---	1.70	---	1.92	1.38	---
MAX	4.72	6.28	8.63	13.02	5.47	10.68	13.02	10.18	9.18	4.79	2.79	3.80
MIN	1.17	1.15	1.54	2.03	1.57	1.48	1.44	1.38	1.62	1.70	1.18	1.09

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. Records poor. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years, 115 ft³/s, 19.64 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)
Dec. 24	0430	1,880	12.57	Mar. 30	1600	*2,470	*13.67

Minimum daily discharge, 12.0 ft³/s, Nov. 17-18, 24, Sept. 25-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	580	15	26	453	35	39	282	21	18	359	250	17
2	362	14	21	263	33	71	128	19	78	215	695	16
3	257	14	18	127	31	213	82	17	272	187	114	15
4	91	14	17	86	30	117	63	76	135	506	35	15
5	48	15	16	68	29	114	58	244	277	423	24	15
6	37	14	15	58	29	126	46	76	407	213	21	15
7	31	13	14	50	29	75	40	36	151	191	34	20
8	29	13	14	45	32	55	37	26	463	171	164	16
9	28	13	14	42	31	46	34	22	955	97	66	15
10	e27	14	33	58	30	40	31	20	395	62	31	14
11	e27	17	783	98	29	37	30	19	114	48	23	27
12	e26	21	350	86	28	34	28	19	61	41	21	38
13	e25	36	133	168	26	32	27	24	42	37	20	30
14	e24	17	71	269	25	31	27	19	43	34	19	22
15	e24	14	52	361	24	29	26	17	175	42	18	52
16	e23	13	50	172	23	28	25	17	201	43	18	25
17	e22	12	42	99	23	27	24	16	71	33	17	17
18	e21	12	37	82	22	27	24	17	43	30	16	15
19	e20	14	32	148	22	26	23	655	32	28	16	15
20	e19	21	29	381	21	25	23	700	27	35	16	14
21	18	20	26	247	344	25	22	421	24	45	15	e14
22	16	14	25	132	385	48	22	147	22	34	15	e14
23	15	13	835	87	129	375	21	70	21	30	17	e13
24	18	12	1600	68	75	182	21	47	20	28	16	e13
25	17	13	582	59	58	87	20	36	20	28	15	e12
26	17	14	210	52	49	57	20	30	19	28	15	e12
27	18	176	123	47	44	45	20	26	18	28	15	e12
28	17	146	96	43	41	39	20	23	28	32	31	e13
29	16	65	80	41	---	387	35	21	137	29	71	e14
30	16	37	67	38	---	2180	20	19	390	28	32	e14
31	15	---	73	36	---	960	---	18	---	37	19	---
TOTAL	1904	826	5484	3964	1677	5577	1279	2918	4659	3142	1879	544
MEAN	61.4	27.5	177	128	59.9	180	42.6	94.1	155	101	60.6	18.1
MAX	580	176	1600	453	385	2180	282	700	955	506	695	52
MIN	15	12	14	36	21	25	20	16	18	28	15	12
CFSM	.77	.35	2.23	1.61	.75	2.26	.54	1.18	1.95	1.27	.76	.23
IN.	.89	.39	2.57	1.85	.78	2.61	.60	1.37	2.18	1.47	.88	.25

CAL YR 1988	TOTAL 55584	MEAN 152	MAX 3140	MIN 11	CFSM 1.91	IN. 26.01
WTR YR 1989	TOTAL 33853	MEAN 92.7	MAX 2180	MIN 12	CFSM 1.17	IN. 15.84

e Estimated.

MISSISSIPPI RIVER DELTA

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07376500 NATALBANY RIVER AT BAPTIST, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.51	3.24	3.51	6.96	3.64	3.70	5.94	3.56	3.47	6.52	5.38	3.56
2	6.35	3.23	3.40	5.72	3.60	4.09	4.78	3.50	4.14	5.41	8.08	3.53
3	5.69	3.22	3.34	4.70	3.57	5.39	4.40	3.45	5.57	5.23	4.68	3.51
4	4.38	3.23	3.29	4.33	3.54	4.62	4.19	4.02	4.82	7.53	3.91	3.51
5	3.88	3.25	3.26	4.11	3.52	4.58	4.13	5.59	5.82	6.97	3.72	3.50
6	3.70	3.21	3.24	3.98	3.52	4.70	3.98	4.31	6.88	5.40	3.67	3.50
7	3.61	3.20	3.23	3.88	3.53	4.20	3.90	3.83	4.87	5.25	3.84	3.60
8	3.56	3.20	3.23	3.81	3.58	3.94	3.85	3.65	7.05	5.12	5.07	3.54
9	3.54	3.20	3.22	3.75	3.57	3.81	3.80	3.57	10.10	4.58	4.28	3.50
10	---	3.21	3.46	3.97	3.54	3.72	3.76	3.53	6.76	4.26	3.85	3.48
11	---	3.30	8.66	4.45	3.52	3.66	3.73	3.51	4.71	4.09	3.70	3.69
12	---	3.34	6.31	4.33	3.49	3.62	3.70	3.49	4.24	4.00	3.67	3.94
13	---	3.63	4.79	5.01	3.47	3.58	3.68	3.60	4.01	3.93	3.65	3.81
14	---	3.30	4.19	5.69	3.44	3.56	3.67	3.51	4.01	3.90	3.62	3.67
15	---	3.23	3.94	6.37	3.42	3.53	3.66	3.46	5.13	4.00	3.59	4.12
16	---	3.20	3.91	5.07	3.41	3.51	3.64	3.44	5.32	4.02	3.58	3.73
17	---	3.17	3.78	4.46	3.41	3.49	3.62	3.44	4.35	3.89	3.56	3.57
18	---	3.17	3.69	4.27	3.38	3.48	3.61	3.45	4.02	3.84	3.54	3.51
19	---	3.21	3.62	4.86	3.37	3.47	3.60	7.83	3.87	3.80	3.54	3.50
20	---	3.39	3.55	6.51	3.37	3.45	3.58	8.27	3.77	3.91	3.53	3.49
21	3.31	3.36	3.50	5.62	5.78	3.45	3.58	6.71	3.72	4.05	3.52	---
22	3.27	3.22	3.47	4.75	6.51	3.76	3.57	4.92	3.69	3.90	3.52	---
23	3.26	3.19	8.01	4.33	4.72	6.47	3.56	4.27	3.65	3.83	3.55	---
24	3.32	3.17	11.81	4.12	4.20	5.14	3.54	4.00	3.63	3.80	3.53	---
25	3.30	3.17	7.57	4.00	3.98	4.33	3.54	3.83	3.64	3.80	3.52	---
26	3.30	3.21	5.36	3.91	3.86	3.97	3.53	3.73	3.62	3.80	3.50	---
27	3.33	5.12	4.67	3.83	3.78	3.80	3.52	3.65	3.58	3.80	3.50	---
28	3.29	4.89	4.43	3.77	3.74	3.71	3.53	3.59	3.76	3.86	3.74	---
29	3.27	4.11	4.26	3.73	---	5.71	3.79	3.55	4.79	3.82	4.35	---
30	3.27	3.70	4.11	3.69	---	13.14	3.53	3.51	6.79	3.80	3.86	---
31	3.25	---	4.13	3.66	---	9.92	---	3.48	---	3.93	3.62	---
MAX	---	5.12	11.81	6.96	6.51	13.14	5.94	8.27	10.10	7.53	8.08	---
MIN	---	3.17	3.22	3.66	3.37	3.45	3.52	3.44	3.47	3.80	3.50	---

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in sec.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 and data-collection platform. 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.--39 years, 931 ft³/s, 21.80 in/yr.

REMARKS.--No estimated daily discharges. 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)
Dec. 31	2400	11,700	14.05	May 20	1400	*16,000	*15.66
Mar. 30	1430	8,440	12.36	July 4	1800	14,200	15.05

Minimum discharge, 256 ft³/s, Oct. 22, 23; minimum gage height, 2.60 ft, Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	301	749	11100	562	604	2720	630	451	1610	553	318
2	1020	295	630	9070	537	923	1200	430	479	1260	532	315
3	2770	286	549	3750	519	2070	936	357	661	4880	587	305
4	2950	281	496	1590	525	1680	865	482	612	11900	501	299
5	1880	293	458	1190	528	1110	2470	2460	673	8800	461	310
6	783	393	428	999	532	1070	1100	2520	2090	2930	435	325
7	558	326	407	885	611	928	767	1470	1610	1970	429	317
8	454	291	392	803	624	743	654	739	1440	1840	444	311
9	404	279	375	773	587	652	597	555	1190	1370	410	303
10	384	278	380	1330	536	592	621	468	879	2340	384	303
11	359	315	1570	1910	504	554	847	418	1070	1700	375	457
12	334	331	1850	1460	491	539	743	379	1080	1040	368	449
13	316	524	1180	1570	479	494	600	355	737	790	362	513
14	302	1870	849	2770	470	476	551	345	845	707	358	484
15	295	862	702	3340	460	452	550	348	3290	1480	349	615
16	290	556	806	2160	446	434	550	344	2740	1720	344	852
17	283	431	1160	1340	430	419	471	489	1480	1510	359	543
18	280	376	924	1200	419	409	428	1390	842	1160	352	406
19	275	2010	722	2370	416	399	410	9490	662	916	388	356
20	270	5430	621	2580	420	401	392	14500	572	2350	360	332
21	265	5420	559	2660	3350	874	374	7620	520	1340	341	318
22	261	1860	517	1780	4730	1330	359	3140	510	913	333	310
23	258	995	2040	1200	1890	2260	349	1590	475	689	331	305
24	280	756	5510	977	1070	1900	340	1090	453	947	342	297
25	295	633	4750	851	832	1190	329	842	431	709	338	292
26	285	611	3280	774	725	862	320	711	419	619	336	296
27	388	3400	1550	716	669	716	316	634	399	875	327	299
28	417	3330	1120	672	645	629	318	578	948	1120	347	298
29	465	1580	1180	637	---	2020	403	531	3430	1260	384	530
30	336	963	1080	608	---	8150	1030	497	3440	825	344	1740
31	303	---	5330	591	---	6340	---	468	---	626	320	---
TOTAL	18114	35276	42164	63656	24007	41220	21610	55870	34428	62196	12094	12798
MEAN	584	1176	1360	2053	857	1330	720	1802	1148	2006	390	427
MAX	2950	5430	5510	11100	4730	8150	2720	14500	3440	11900	587	1740
MIN	258	278	375	591	416	399	316	344	399	619	320	292
CFSM	1.01	2.03	2.35	3.54	1.48	2.29	1.24	3.11	1.98	3.46	.67	.74
IN.	1.16	2.26	2.70	4.08	1.54	2.64	1.39	3.58	2.21	3.99	.78	.82
CAL YR 1988	TOTAL	399019	MEAN	1093	MAX	19800	MIN	252	CFSM	1.88	IN.	25.59
WTR YR 1989	TOTAL	423433	MEAN	1160	MAX	14500	MIN	258	CFSM	2.00	IN.	27.16

MISSISSIPPI RIVER DELTA

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07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.91	2.78	3.87	13.78	3.42	3.52	7.10	3.58	3.15	5.62	3.30	2.67
2	4.44	2.76	3.58	12.65	3.36	4.21	4.86	3.10	3.22	4.99	3.24	2.66
3	7.37	2.73	3.39	8.31	3.32	6.40	4.30	2.92	3.66	9.49	3.39	2.64
4	7.61	2.72	3.26	5.57	3.33	5.74	4.14	3.20	3.54	14.01	3.15	2.62
5	6.00	2.76	3.17	4.83	3.34	4.67	6.89	6.95	3.68	12.40	3.03	2.65
6	3.95	3.01	3.10	4.43	3.35	4.59	4.64	7.05	6.42	7.45	2.96	2.69
7	3.41	2.84	3.04	4.19	3.53	4.28	3.91	5.32	5.59	6.24	2.95	2.67
8	3.16	2.75	3.01	4.00	3.56	3.86	3.64	3.84	5.30	6.01	2.99	2.65
9	3.04	2.72	2.96	3.93	3.48	3.63	3.50	3.40	4.83	5.18	2.90	2.63
10	2.99	2.71	2.98	5.08	3.36	3.49	3.56	3.19	4.17	6.79	2.84	2.63
11	2.92	2.81	5.42	6.13	3.28	3.40	4.10	3.07	4.57	5.75	2.81	3.03
12	2.86	2.85	6.01	5.36	3.25	3.36	3.85	2.98	4.59	4.52	2.80	3.01
13	2.82	3.30	4.81	5.53	3.22	3.26	3.51	2.91	3.84	3.97	2.78	3.18
14	2.78	6.05	4.11	7.37	3.20	3.21	3.39	2.89	4.04	3.75	2.77	3.10
15	2.76	4.12	3.75	8.04	3.17	3.16	3.39	2.90	8.00	5.36	2.75	3.47
16	2.75	3.40	3.99	6.50	3.14	3.11	3.39	2.89	7.31	5.82	2.74	4.09
17	2.73	3.10	4.78	5.12	3.10	3.07	3.20	3.24	5.35	5.45	2.77	3.27
18	2.72	2.97	4.27	4.85	3.07	3.05	3.10	5.15	4.09	4.77	2.76	2.89
19	2.71	5.67	3.80	6.84	3.07	3.02	3.05	12.79	3.66	4.25	2.85	2.77
20	2.69	10.04	3.56	7.12	3.08	3.03	3.01	15.13	3.44	6.74	2.78	2.71
21	2.68	10.02	3.41	7.23	7.48	4.11	2.96	11.69	3.32	5.13	2.73	2.67
22	2.67	5.98	3.31	5.91	9.38	5.09	2.93	7.72	3.29	4.24	2.71	2.65
23	2.66	4.42	5.81	4.85	6.04	6.67	2.90	5.59	3.21	3.70	2.71	2.64
24	2.72	3.89	10.11	4.39	4.58	6.11	2.88	4.62	3.16	4.32	2.73	2.62
25	2.76	3.59	9.42	4.11	4.07	4.83	2.85	4.09	3.10	3.76	2.72	2.60
26	2.73	3.53	7.96	3.93	3.81	4.13	2.83	3.78	3.07	3.50	2.72	2.61
27	3.00	7.89	5.50	3.79	3.67	3.79	2.82	3.59	3.02	4.10	2.70	2.62
28	3.07	8.02	4.69	3.68	3.62	3.58	2.82	3.45	4.19	4.69	2.74	2.62
29	3.19	5.55	4.82	3.60	---	5.58	3.03	3.35	8.12	4.98	2.84	3.23
30	2.87	4.35	4.60	3.53	---	12.18	4.48	3.26	8.11	4.03	2.74	5.83
31	2.78	---	8.97	3.49	---	10.80	---	3.19	---	3.50	2.68	---
MAX	7.61	10.04	10.11	13.78	9.38	12.18	7.10	15.13	8.12	14.01	3.39	5.83
MIN	2.66	2.71	2.96	3.49	3.07	3.02	2.82	2.89	3.02	3.50	2.68	2.60

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in sec.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.--Estimated daily discharges. Records are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--47 years, 236 ft³/s, 22.10 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, 0.74 ft, Nov. 6, 7, 8, 11, 12, 1988.

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. 23	1630	3,530	7.20	May 19	0300	5,350	9.40
Jan. 1	0500	*6,590	*10.55	June 29	1430	4,780	8.80
Mar. 30	2200	3,300	7.05	July 4	1700	5,600	9.66

Minimum discharge, 53 ft³/s, Nov. 6, 7, 8, 11, 12, gage height, 0.74 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e130	57	90	5230	e100	e100	277	64	94	978	e95	73
2	e630	56	82	2290	e95	200	172	62	133	340	e91	70
3	e600	58	79	455	e90	632	141	61	501	1370	90	67
4	e170	61	77	255	e100	236	129	565	198	4350	87	64
5	e100	56	74	196	e110	197	415	785	177	3030	86	63
6	e90	54	72	168	e120	e160	293	610	762	455	82	78
7	e80	54	70	153	e180	e150	145	153	284	388	76	130
8	e70	55	69	141	e120	e140	120	108	816	430	90	91
9	e70	55	67	146	e115	e130	109	95	611	222	182	82
10	e80	55	78	413	e110	e120	103	88	189	332	116	75
11	e75	54	1320	547	e105	e115	98	83	223	322	102	74
12	e70	56	804	363	e100	e110	95	77	154	214	96	73
13	e68	211	203	492	e95	e105	94	74	124	138	89	71
14	e65	84	130	750	e95	e100	93	75	349	123	86	66
15	e62	67	108	807	e90	e90	94	75	1070	298	80	78
16	e60	60	120	307	e90	76	91	84	547	189	76	113
17	59	58	138	184	e85	73	85	835	167	243	e80	93
18	59	57	105	225	e85	72	83	756	134	258	e85	75
19	58	503	90	946	e100	71	80	4200	e100	145	e96	74
20	57	762	84	540	e120	73	78	3770	e80	787	e78	73
21	57	167	81	437	590	105	75	933	91	1190	e74	70
22	56	99	79	209	2150	457	73	305	89	231	e72	69
23	57	79	2090	158	727	863	72	362	85	142	e80	67
24	58	72	2040	e150	195	372	71	215	83	488	e78	63
25	57	68	610	e135	e140	159	70	150	83	348	e80	62
26	61	109	239	e130	e130	120	68	128	79	152	e74	61
27	63	1010	157	e125	e120	105	70	115	81	130	e70	59
28	74	574	141	e120	e110	96	74	108	2650	e100	87	59
29	61	147	207	e115	---	616	67	104	4090	e100	122	135
30	58	105	148	e110	---	2490	67	99	2610	e93	94	489
31	57	---	3280	e105	---	1990	---	96	---	e90	76	---
TOTAL	3312	4903	12932	16402	6267	10323	3502	15235	16654	17676	2770	2717
MEAN	107	163	417	529	224	333	117	491	555	570	89.4	90.6
MAX	630	1010	3280	5230	2150	2490	415	4200	4090	4350	182	489
MIN	56	54	67	105	85	71	67	61	79	90	70	59
CFSM	.74	1.13	2.88	3.65	1.54	2.30	.81	3.39	3.83	3.93	.62	.62
IN.	.85	1.26	3.32	4.21	1.61	2.65	.90	3.91	4.27	4.53	.71	.70

CAL YR 1988	TOTAL 104638	MEAN 286	MAX 6820	MIN 42	CFSM 1.97	IN. 26.85
WTR YR 1989	TOTAL 112693	MEAN 309	MAX 5230	MIN 54	CFSM 2.13	IN. 28.91

e Estimated.

MISSISSIPPI RIVER DELTA

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07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.77	1.01	9.10	---	---	1.97	.82	1.04	3.64	---	.89
2	---	.76	.96	5.66	---	1.73	1.51	.81	1.30	2.23	1.03	.87
3	---	.78	.93	2.51	---	2.98	1.35	.80	2.60	4.37	1.02	.85
4	---	.80	.91	1.89	---	1.81	1.27	2.16	1.62	8.30	1.00	.83
5	---	.76	.89	1.62	---	1.64	2.41	3.32	1.48	6.99	.99	.82
6	---	.75	.88	1.48	---	---	1.99	2.89	3.31	2.68	.95	.92
7	---	.74	.87	1.40	---	---	1.37	1.41	1.99	2.48	.91	1.23
8	---	.76	.86	1.34	---	---	1.22	1.14	3.36	2.63	1.01	1.01
9	---	.76	.85	1.36	---	---	1.15	1.04	2.90	1.84	1.59	.95
10	---	.75	.92	2.39	---	---	1.10	.99	1.61	2.21	1.20	.90
11	---	.75	4.19	2.77	---	---	1.06	.96	1.77	2.25	1.09	.89
12	---	.76	3.26	2.28	---	---	1.04	.92	1.42	1.78	1.05	.85
13	---	1.63	1.65	2.62	---	---	1.04	.91	1.25	1.37	1.01	.87
14	---	.96	1.27	3.22	---	---	1.03	.91	1.91	1.28	.99	.84
15	---	.85	1.13	3.35	---	---	1.04	.91	3.90	2.15	.95	.92
16	---	.79	1.21	2.07	---	.91	1.01	.97	2.74	1.66	.92	1.11
17	.79	.78	1.32	1.56	---	.90	.98	3.30	1.49	1.92	---	.95
18	.78	.77	1.11	1.68	---	.89	.96	2.70	1.30	1.97	---	.90
19	.78	2.29	1.01	3.63	---	.88	.94	8.12	---	1.41	---	.89
20	.77	3.13	.97	2.76	---	.89	.93	7.61	---	3.38	---	.88
21	.77	1.47	.94	2.48	2.64	1.08	.91	3.60	1.02	4.32	---	.86
22	.76	1.07	.93	1.69	5.53	2.53	.90	2.09	1.00	1.86	---	.85
23	.77	.93	4.92	1.43	2.97	3.50	.89	2.29	.98	1.40	---	.84
24	.77	.88	5.34	---	1.63	2.26	.88	1.73	.96	2.69	---	.82
25	.77	.86	2.88	---	---	1.44	.87	1.40	.96	2.27	---	.81
26	.80	1.07	1.81	---	---	1.22	.86	1.27	.94	1.45	---	.80
27	.82	3.69	1.42	---	---	1.11	.87	1.20	.95	1.32	---	.79
28	.90	2.70	1.34	---	---	1.05	.90	1.14	6.06	---	1.00	.79
29	.80	1.36	1.68	---	---	2.32	.85	1.10	8.01	---	1.27	1.25
30	.78	1.11	1.37	---	---	6.03	.85	1.07	6.21	---	1.05	2.70
31	.77	---	6.36	---	---	5.22	---	1.05	---	---	.92	---
MAX	---	3.69	6.36	---	---	---	2.41	8.12	---	---	---	2.70
MIN	---	.74	.85	---	---	---	.85	.80	---	---	---	.79

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 sec.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.--Estimated daily discharges. Records are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--17 years, 82.8 ft³/s, 24.99 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)
Dec. 23	1530	1,740	16.80	June 6	----	Unknown	Unknown
Jan. 1	0630	2,270	18.60	June 8	----	Unknown	Unknown
May 5	----	Unknown	Unknown	June 29	1200	*4,140	*23.06
May 19	----	Unknown	Unknown				

Minimum daily discharge, 0.27 ft³/s, Oct. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	.67	6.6	2040	e1.4	e43	30	e1.2	2.2	548	26	1.8
2	207	.48	3.5	437	e1.0	80	19	1.0	30	312	27	1.2
3	127	1.2	2.3	49	e.75	159	13	.97	351	667	8.6	1.0
4	16	491	1.6	e40	e.80	e80	13	63	221	653	3.7	.83
5	5.4	109	1.4	e25	e3.0	e60	53	e1530	354	307	2.0	.75
6	2.3	22	1.1	e20	e20	e40	34	e710	e1640	101	1.4	.71
7	1.4	7.3	.89	e30	e47	e30	15	e32	446	124	68	.68
8	e1.0	2.9	.73	e40	e35	e25	8.9	e5.5	e1640	368	785	.67
9	e.98	2.1	.60	e50	e20	e20	6.0	.87	410	78	269	.65
10	e.84	17	15	165	e10	e15	4.3	3.5	45	117	24	1.9
11	e.72	30	1080	162	e8.0	e10	3.9	4.4	20	35	12	30
12	e.60	6.9	585	75	e5.0	e9.0	2.8	2.3	16	18	6.5	9.2
13	e.54	47	63	102	e4.0	e7.0	2.3	3.3	7.9	8.6	4.3	5.5
14	e.48	39	35	248	e2.0	e6.0	2.1	3.8	e43	6.3	3.1	8.1
15	e.44	10	27	253	e1.5	e4.0	2.1	22	768	23	2.2	11
16	e.40	3.9	56	56	e1.0	2.0	2.0	368	119	22	1.6	1.8
17	e.36	1.9	44	51	e.90	2.4	1.7	609	26	18	1.3	.94
18	e.34	1.3	27	88	e.60	8.0	1.6	422	14	10	1.9	.72
19	e.32	28	21	429	e.50	7.6	1.4	e1770	8.4	4.7	5.2	.63
20	e.31	249	16	224	e50	7.4	1.3	e750	5.9	324	1.8	.57
21	.30	65	14	125	107	14	1.4	186	4.1	229	1.2	.52
22	.27	16	13	e75	69	249	1.5	52	3.0	26	1.1	.51
23	.47	6.1	1100	e30	e15	557	1.4	25	17	44	7.9	.73
24	1.7	3.1	1140	e20	e8.0	87	1.3	23	10	116	14	.95
25	1.1	1.8	188	e15	e4.0	33	e1.2	12	21	28	43	1.1
26	10	22	e50	e10	e2.0	20	e1.1	6.7	38	15	11	.87
27	62	804	e35	e7.0	e1.5	14	e5.0	4.1	30	8.0	3.9	.88
28	15	261	e50	e4.0	e3.5	10	e3.5	3.0	2610	5.4	2.5	.87
29	4.0	29	69	e3.0	---	520	e2.5	1.6	3930	12	26	41
30	1.6	13	e50	e2.0	---	1040	e1.8	2.0	2740	3.2	54	103
31	1.0	---	1060	e1.5	---	186	---	20	---	2.4	4.6	---
TOTAL	465.17	2291.65	5756.72	4876.5	422.45	3345.4	238.1	6638.24	15570.5	4233.6	1423.8	229.08
MEAN	15.0	76.4	186	157	15.1	108	7.94	214	519	137	45.9	7.64
MAX	207	804	1140	2040	107	1040	53	1770	3930	667	785	103
MIN	.27	.48	.60	1.5	.50	2.0	1.1	.87	2.2	2.4	1.1	.51
CFSM	.33	1.70	4.13	3.50	.34	2.40	.18	4.76	11.5	3.03	1.02	.17
IN.	.38	1.89	4.76	4.03	.35	2.77	.20	5.49	12.87	3.50	1.18	.19

CAL YR 1988	TOTAL 38545.84	MEAN 105	MAX 2930	MIN .17	CFSM 2.34	IN. 31.86
WTR YR 1989	TOTAL 45491.21	MEAN 125	MAX 3930	MIN .27	CFSM 2.77	IN. 37.61

e Estimated.

MISSISSIPPI RIVER DELTA

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07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.93	2.69	3.44	17.81	---	---	4.00	---	3.13	10.10	3.65	2.80
2	6.40	2.59	3.27	8.61	---	5.21	3.65	2.85	4.27	7.87	3.91	2.65
3	5.90	2.60	3.14	4.51	---	6.33	3.44	2.83	8.64	11.14	3.26	2.57
4	3.81	9.79	3.04	---	---	---	3.45	5.11	7.39	11.08	3.01	2.50
5	3.38	5.71	2.97	---	---	---	4.59	---	8.67	7.98	2.84	2.46
6	3.14	4.01	2.87	---	---	---	4.11	---	---	5.57	2.70	2.44
7	2.98	3.48	2.80	---	---	---	3.51	---	9.49	5.59	3.71	2.43
8	---	3.21	2.72	---	---	---	3.28	---	---	8.72	11.93	2.42
9	---	3.11	2.65	---	---	---	3.14	2.79	9.17	5.11	7.21	2.41
10	---	3.78	3.15	6.53	---	---	3.05	3.27	4.69	5.84	3.81	2.50
11	---	4.21	13.70	6.51	---	---	3.02	3.33	3.95	4.13	3.39	3.90
12	---	3.44	10.15	5.08	---	---	2.93	3.15	3.79	3.62	3.17	3.25
13	---	4.28	4.61	5.53	---	---	2.87	3.25	3.51	3.27	3.05	3.10
14	---	4.47	3.92	7.38	---	---	2.84	3.29	---	3.16	2.97	3.08
15	---	3.59	3.68	7.42	---	---	2.85	4.00	11.83	3.67	2.86	3.32
16	---	3.29	4.46	4.68	---	2.83	2.83	8.80	5.62	3.73	2.76	2.77
17	---	3.08	4.16	4.57	---	2.86	2.79	10.78	3.87	3.61	2.67	2.55
18	---	2.94	3.67	5.12	---	3.24	2.74	9.28	3.47	3.32	2.76	2.44
19	---	4.03	3.48	9.28	---	3.23	2.71	---	3.26	2.95	3.09	2.40
20	---	7.56	3.32	7.22	---	3.21	2.69	---	3.14	7.99	2.79	2.37
21	2.48	5.02	3.25	5.88	5.70	3.49	2.70	7.00	3.04	6.91	2.64	2.34
22	2.46	3.80	3.21	---	5.00	6.78	2.72	4.86	2.96	3.87	2.60	2.34
23	2.56	3.42	12.81	---	---	10.28	2.71	4.11	3.57	4.26	3.04	2.45
24	2.97	3.23	14.12	---	---	5.24	2.67	4.03	3.32	5.78	3.45	2.55
25	2.86	3.07	6.45	---	---	4.08	---	3.69	3.68	3.93	4.31	2.61
26	3.12	3.34	---	---	---	3.66	---	3.45	4.19	3.50	3.34	2.52
27	5.05	11.91	---	---	---	3.47	---	3.31	3.83	3.24	3.03	2.53
28	3.76	7.40	---	---	---	3.34	---	3.23	19.27	3.11	2.90	2.52
29	3.29	4.24	4.77	---	---	8.28	---	3.15	22.63	3.37	3.58	3.81
30	3.01	3.69	---	---	---	13.52	---	3.11	19.62	2.98	4.46	5.31
31	2.85	---	13.47	---	---	6.29	---	3.95	---	2.88	3.05	---
MAX	---	11.91	---	---	---	---	---	---	---	11.14	11.93	5.31
MIN	---	2.59	---	---	---	---	---	---	---	2.88	2.60	2.34

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between sections 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). 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. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--45 years, 478 ft³/s, 22.86 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)
Jan. 1	----	14,000	Unknown	June 14	0830	7,210	16.06
May 5	0630	9,020	17.92	June 28	1700	*15,600	*24.08
May 19	---	Unknown	22.42	July 5	0200	8,160	17.38

Minimum daily discharge, 80 ft³/s, Nov. 1-2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	80	e170	e12200	128	130	942	118	134	4680	367	142
2	656	80	e160	e5060	126	255	295	113	468	1310	358	138
3	629	156	e155	e720	123	885	192	114	973	2480	190	135
4	256	192	e150	617	119	455	303	1490	813	6160	174	133
5	131	114	e145	386	120	239	569	6650	1110	7060	164	131
6	104	93	e140	288	155	200	472	1900	3480	2400	159	155
7	94	85	e135	239	241	182	220	395	1070	750	222	193
8	89	85	e130	208	170	155	161	186	5030	1080	3520	174
9	88	96	e130	205	141	141	147	138	2970	524	1330	195
10	88	133	e150	513	126	134	142	119	640	292	272	214
11	96	107	e2390	937	119	129	135	107	434	458	190	244
12	92	146	e1360	638	116	126	130	98	258	321	166	560
13	88	192	e350	832	115	123	129	96	167	217	158	175
14	86	e160	e235	1930	114	122	134	95	2620	174	149	204
15	86	e130	e200	1660	113	119	135	170	5230	227	146	333
16	85	e120	e225	653	111	117	137	452	1350	372	145	180
17	85	e115	e250	310	108	115	133	2830	376	249	148	145
18	85	e110	e200	275	106	113	127	e2250	197	438	153	135
19	84	e850	e175	1370	105	113	124	e12600	147	247	188	132
20	84	e1280	e165	1230	109	112	123	8800	125	822	151	131
21	84	e290	e160	810	259	120	121	4640	133	1870	143	130
22	82	e190	e155	411	1620	493	120	1630	263	630	142	129
23	83	e150	e4120	256	1530	2240	119	716	206	322	157	129
24	84	e140	e3890	204	275	850	119	503	137	326	152	129
25	81	e130	e980	181	175	296	119	291	185	648	159	130
26	116	e200	e400	169	146	188	118	219	179	289	144	130
27	105	e1720	e280	156	136	150	121	181	149	224	143	130
28	100	e950	e250	146	134	131	181	158	12700	196	154	129
29	91	e260	e360	139	---	1990	141	143	14200	197	219	349
30	84	e200	e265	135	---	5140	122	130	9000	183	240	1330
31	82	---	e7550	133	---	3390	---	120	---	174	163	---
TOTAL	4108	8554	25425	33011	6840	18953	6031	47452	64744	35320	10166	6564
MEAN	133	285	820	1065	244	611	201	1531	2158	1139	328	219
MAX	656	1720	7550	12200	1620	5140	942	12600	14200	7060	3520	1330
MIN	81	80	130	133	105	112	118	95	125	174	142	129
CFSM	.47	1.00	2.89	3.75	.86	2.15	.71	5.39	7.60	4.01	1.15	.77
IN.	.54	1.12	3.33	4.32	.90	2.48	.79	6.22	8.48	4.63	1.33	.86

CAL YR 1988	TOTAL 229488	MEAN 627	MAX 14800	MIN 44	CFSM 2.21	IN. 30.06
WTR YR 1989	TOTAL 267168	MEAN 732	MAX 14200	MIN 80	CFSM 2.58	IN. 35.00

e Estimated.

MISSISSIPPI RIVER DELTA

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07378000 COMITE RIVER NEAR COMITE, LA--Continued

GAGE HEIGHT (FEET ABOVE), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	.95	---	---	1.59	1.68	5.00	1.53	1.66	11.71	2.77	1.66
2	4.04	.94	---	---	1.57	2.42	2.67	1.50	3.08	6.01	2.89	1.62
3	4.02	1.50	---	---	1.55	4.85	2.08	1.50	5.14	8.45	2.00	1.60
4	2.29	1.87	---	---	1.52	3.38	2.44	4.65	4.57	13.77	1.89	1.58
5	1.41	1.26	---	2.94	1.53	2.41	3.81	15.90	4.94	16.08	1.81	1.57
6	1.17	1.08	---	2.49	1.77	2.19	3.49	7.40	10.05	8.10	1.78	1.75
7	1.08	1.00	---	2.23	2.34	2.07	2.25	3.12	5.26	4.49	2.11	2.02
8	1.04	1.00	---	2.05	1.91	1.89	1.86	2.03	11.88	5.46	9.96	1.89
9	1.03	1.10	---	2.04	1.70	1.80	1.76	1.69	9.00	3.66	5.69	1.96
10	1.03	1.43	---	3.44	1.60	1.74	1.72	1.54	4.08	2.61	2.50	2.15
11	1.09	1.20	---	4.95	1.55	1.71	1.67	1.44	3.33	3.41	2.00	2.20
12	1.06	1.46	---	3.94	1.52	1.69	1.63	1.37	2.47	2.77	1.83	3.63
13	1.02	1.87	---	4.60	1.51	1.67	1.62	1.35	1.91	2.18	1.77	1.89
14	1.01	---	---	7.17	1.51	1.66	1.66	1.34	6.63	1.89	1.71	2.04
15	1.00	---	---	6.80	1.50	1.64	1.67	1.79	12.89	2.20	1.68	2.80
16	1.00	---	---	3.99	1.49	1.62	1.69	3.18	6.04	3.00	1.68	1.93
17	1.00	---	---	2.62	1.47	1.61	1.66	9.08	3.04	2.37	1.70	1.68
18	.99	---	---	2.43	1.45	1.60	1.61	7.67	2.11	3.33	1.74	1.60
19	.98	---	---	6.06	1.45	1.59	1.58	21.74	1.76	2.36	1.98	1.58
20	.98	---	---	5.79	1.49	1.58	1.58	18.97	1.59	4.49	1.72	1.57
21	.98	---	---	4.55	2.40	1.65	1.56	12.66	1.65	7.29	1.66	1.56
22	.96	---	---	3.10	6.73	3.26	1.55	6.67	2.33	3.95	1.65	1.55
23	.98	---	---	2.37	6.35	8.03	1.54	4.38	2.15	2.77	1.77	1.56
24	.98	---	---	2.08	2.56	4.73	1.54	3.60	1.68	2.75	1.73	1.55
25	.96	---	---	1.94	2.00	2.73	1.54	2.65	2.01	4.13	1.78	1.56
26	1.28	---	---	1.86	1.80	2.14	1.54	2.25	1.99	2.60	1.67	1.56
27	1.18	---	---	1.78	1.73	1.88	1.56	2.00	1.78	2.22	1.66	1.56
28	1.13	---	---	1.71	1.71	1.74	2.00	1.84	20.57	2.04	1.74	1.56
29	1.05	---	---	1.66	---	6.46	1.72	1.73	23.39	2.05	2.18	2.67
30	.98	---	---	1.63	---	13.22	1.57	1.63	19.17	1.96	2.31	6.06
31	.96	---	---	1.61	---	10.46	---	1.55	---	1.89	1.81	---
MAX	4.04	---	---	---	6.73	13.22	5.00	21.74	23.39	16.08	9.96	6.06
MIN	.96	---	---	---	1.45	1.58	1.54	1.34	1.59	1.89	1.65	1.55

MISSISSIPPI RIVER DELTA

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, 2.80 ft, Sept. 4, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 11.34 ft, June 28; minimum, 2.80 ft, Sept. 4.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.44	2.90	3.03	4.64	3.00	4.24	3.24	---	3.68	3.80	3.40	2.87
2	5.66	2.90	2.99	3.70	3.00	4.06	3.12	---	4.85	3.61	3.70	2.86
3	4.13	2.90	2.96	3.44	2.98	3.56	3.07	---	4.65	4.99	3.06	2.85
4	3.39	2.91	2.94	3.26	2.97	3.44	3.79	---	5.12	7.45	2.93	2.82
5	3.12	2.97	2.94	3.16	2.97	3.31	3.36	---	8.84	4.67	2.89	2.82
6	3.01	2.95	2.92	3.11	3.46	3.16	3.11	---	4.90	3.70	2.89	2.83
7	2.97	2.93	2.92	3.08	4.06	3.08	3.04	---	7.57	4.28	3.28	3.35
8	2.94	2.93	2.90	3.10	3.48	3.01	3.02	---	7.97	4.00	4.21	3.45
9	2.93	2.92	2.90	3.25	3.23	2.98	3.03	---	4.13	3.34	3.41	2.94
10	2.92	2.92	3.37	4.19	3.08	2.96	3.03	---	4.31	3.10	3.06	2.92
11	2.91	3.00	8.18	4.35	3.04	2.96	2.99	---	3.72	3.02	2.94	3.99
12	2.90	3.08	4.37	3.74	3.03	2.96	2.97	---	3.35	2.98	2.91	5.27
13	2.89	3.06	3.65	4.75	3.00	2.96	2.96	---	3.18	2.94	2.90	3.63
14	2.88	2.99	3.36	6.14	3.00	2.95	3.01	---	8.11	2.93	2.89	3.91
15	2.87	2.94	3.47	4.55	2.99	2.94	3.00	---	4.50	2.91	2.89	4.15
16	2.87	2.93	4.07	3.69	2.98	2.94	2.97	---	3.59	2.90	2.88	3.34
17	2.87	2.91	3.50	3.42	2.97	2.94	2.96	---	3.29	2.93	2.88	3.06
18	2.87	2.90	3.24	3.62	2.97	2.94	---	---	3.13	3.83	2.90	2.95
19	2.86	5.83	3.12	4.60	2.97	2.94	---	---	3.03	3.00	2.91	2.91
20	2.87	4.86	3.07	4.73	2.97	2.96	---	---	3.00	3.48	2.89	2.88
21	2.87	3.66	3.03	4.00	4.29	3.66	---	---	3.21	3.18	2.89	2.87
22	2.86	3.30	3.00	3.52	3.63	5.74	---	---	3.08	2.94	2.90	2.86
23	2.87	3.14	8.51	3.32	3.26	3.86	---	---	3.02	3.00	2.89	2.86
24	2.87	3.05	6.93	3.21	3.08	3.43	---	---	2.97	3.03	2.88	2.84
25	2.86	3.01	4.67	3.15	3.03	3.22	---	3.07	2.96	2.95	2.89	2.85
26	3.06	3.00	3.77	3.11	3.00	3.11	---	3.03	2.97	2.96	2.88	2.87
27	3.19	3.72	3.48	3.08	3.01	3.04	---	3.00	3.74	2.91	2.88	2.86
28	3.04	3.77	3.61	3.06	3.00	4.57	---	2.99	10.91	2.90	3.05	2.86
29	2.99	3.30	3.50	3.04	---	8.13	---	2.98	6.84	2.89	3.05	4.93
30	2.94	3.12	3.34	3.03	---	3.96	---	2.93	4.60	2.88	2.95	6.11
31	2.91	---	5.24	3.01	---	3.48	---	2.92	---	2.88	2.89	---
MAX	5.66	5.83	8.51	6.14	4.29	8.13	---	---	10.91	7.45	4.21	6.11
MIN	2.86	2.90	2.90	3.01	2.97	2.94	---	---	2.96	2.88	2.88	2.82

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in sec.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.--Records fair. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 2,053 ft³/s, 21.78 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)
Dec. 25	0200	15,100	26.60	June 9	0900	12,700	25.88
Jan. 2	1300	27,100	29.45	June 15	1800	12,000	25.35
Mar. 31	1200	18,900	27.66	June 30	0230	22,800	28.57
May 21	0400	*29,400	*29.86	July 5	2400	22,800	28.44

Minimum discharge, 496 ft³/s, Sept. 28; elevation, 11.02 ft, Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	816	593	1630	13900	1040	1010	13600	989	885	14700	1320	623
2	1700	571	1260	25500	1010	1510	7280	830	1240	7340	1550	584
3	2570	567	1070	19200	974	2510	2710	694	2420	5530	970	573
4	3030	681	958	10900	940	3230	1960	1790	2230	10700	930	553
5	2920	713	882	4520	925	2400	2900	10100	2150	19100	855	538
6	2060	604	824	2390	970	1750	3590	9410	5530	19400	807	582
7	1200	620	785	1940	1270	1580	2280	4810	4690	11200	989	649
8	977	592	753	1700	1180	1410	1470	2340	7090	6290	4180	655
9	871	564	723	1540	1070	1160	1230	1280	12100	4030	3580	566
10	807	604	779	1850	975	1030	1100	1020	7950	2790	1170	653
11	769	728	6300	3100	917	954	1040	895	3580	3800	874	605
12	744	722	8740	3340	883	899	1160	812	2140	2880	807	1620
13	704	652	5540	3330	862	848	1080	812	1800	1990	763	1180
14	677	886	2400	4250	851	813	967	767	3390	1590	723	925
15	661	1650	1630	7020	862	780	920	840	10800	1460	696	1960
16	647	1070	1600	6560	819	754	871	1370	10700	2270	678	1330
17	633	814	1420	3860	797	730	837	3980	6820	2350	674	1040
18	621	708	1600	2500	775	710	795	3890	3030	2500	683	795
19	610	2610	1330	3660	761	694	768	16400	1780	1880	745	645
20	599	5220	1110	5300	759	680	742	24800	1450	2180	712	586
21	591	7060	998	5140	1060	696	722	27300	1270	4530	666	557
22	582	6970	934	4230	4770	1390	706	17900	1450	2960	633	538
23	572	3470	4460	2840	6890	4450	692	9390	1320	1850	632	527
24	583	1540	12500	2050	3270	4700	681	4020	1050	1500	633	516
25	570	1170	14200	1740	1690	2910	671	2110	1020	1960	632	509
26	622	998	10700	1530	1340	1780	665	1630	992	1400	610	504
27	702	2580	6510	1390	1160	1300	708	1370	930	1150	599	500
28	685	7050	3040	1280	1070	1070	762	1200	10400	1250	614	500
29	704	6810	2140	1190	---	3540	694	1080	21000	1480	779	1110
30	701	3060	2030	1140	---	12100	678	997	21200	1570	1110	3790
31	642	---	2930	1080	---	18100	---	927	---	1220	762	---
TOTAL	30570	61877	101776	149970	39890	77488	54279	155753	152407	144850	31376	25713
MEAN	986	2063	3283	4838	1425	2500	1809	5024	5080	4673	1012	857
MAX	3030	7060	14200	25500	6890	18100	13600	27300	21200	19400	4180	3790
MIN	570	564	723	1080	759	680	665	694	885	1150	599	500
CFSM	.77	1.61	2.56	3.78	1.11	1.95	1.41	3.93	3.97	3.65	.79	.67
IN.	.89	1.80	2.96	4.36	1.16	2.25	1.58	4.53	4.43	4.21	.91	.75

CAL YR 1988	TOTAL	970908	MEAN	2653	MAX	37900	MIN	562	CFSM	2.07	IN.	28.22
WTR YR 1989	TOTAL	1025949	MEAN	2811	MAX	27300	MIN	500	CFSM	2.20	IN.	29.82

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.78	11.13	14.11	25.84	12.71	12.62	25.97	12.57	12.40	26.36	13.74	11.86
2	14.05	11.06	13.26	29.13	12.64	13.78	22.24	12.11	13.24	22.36	14.24	11.74
3	16.05	11.05	12.78	27.69	12.53	15.94	16.34	11.70	15.88	20.81	12.90	11.70
4	17.00	11.41	12.48	24.68	12.43	17.40	14.80	13.83	15.47	24.57	12.78	11.63
5	16.79	11.51	12.26	19.37	12.39	15.74	16.73	24.32	15.24	27.67	12.56	11.59
6	14.91	11.17	12.09	15.72	12.51	14.36	18.07	23.90	20.81	27.75	12.42	11.73
7	12.91	11.22	11.97	14.78	13.28	13.98	15.48	19.82	19.77	24.85	12.83	11.94
8	12.29	11.13	11.88	14.25	13.07	13.60	13.74	15.62	21.81	21.63	19.02	11.96
9	11.97	11.04	11.79	13.90	12.79	13.02	13.18	13.30	25.41	18.82	17.98	11.68
10	11.78	11.17	11.93	14.58	12.53	12.68	12.86	12.65	22.90	16.73	13.39	11.95
11	11.67	11.56	21.39	17.14	12.36	12.47	12.72	12.30	17.94	18.52	12.62	11.80
12	11.58	11.54	23.51	17.60	12.26	12.31	13.01	12.06	15.31	16.89	12.42	14.40
13	11.46	11.32	20.69	17.59	12.20	12.16	12.82	12.05	14.59	15.18	12.29	13.40
14	11.38	12.05	15.74	18.97	12.17	12.06	12.51	11.92	16.89	14.37	12.17	12.96
15	11.32	14.00	14.11	22.30	12.20	11.96	12.37	12.11	24.67	14.08	12.08	15.13
16	11.28	12.59	14.02	21.90	12.07	11.88	12.23	13.48	24.70	15.73	12.03	13.77
17	11.25	11.83	13.63	18.46	12.01	11.81	12.13	18.78	21.98	15.89	12.02	13.10
18	11.21	11.50	14.02	15.95	11.94	11.75	12.00	18.04	17.01	16.19	12.04	12.38
19	11.18	15.86	13.42	18.13	11.90	11.70	11.92	26.84	14.54	14.96	12.23	11.93
20	11.14	20.43	12.90	20.62	11.90	11.65	11.85	28.99	13.82	15.54	12.13	11.74
21	11.13	22.34	12.59	20.42	12.75	11.70	11.78	29.47	13.41	19.60	11.99	11.65
22	11.10	22.26	12.41	19.14	19.69	13.43	11.73	27.32	13.80	17.01	11.89	11.59
23	11.07	17.66	18.34	16.62	22.17	19.41	11.69	23.82	13.51	14.90	11.89	11.55
24	11.10	13.89	25.53	15.02	17.35	19.81	11.66	18.69	12.88	14.18	11.89	11.51
25	11.06	13.04	26.26	14.34	14.23	16.76	11.63	15.23	12.79	15.12	11.89	11.49
26	11.22	12.60	24.69	13.89	13.44	14.42	11.61	14.22	12.71	13.96	11.82	11.48
27	11.48	15.95	21.71	13.57	13.03	13.36	11.74	13.64	12.53	13.37	11.78	11.46
28	11.42	22.28	16.99	13.31	12.80	12.80	11.90	13.26	23.60	13.60	11.83	11.46
29	11.49	22.06	15.20	13.10	---	16.77	11.70	12.96	28.16	14.14	12.33	13.04
30	11.48	16.98	14.98	12.98	---	25.34	11.65	12.72	28.20	14.32	13.27	18.48
31	11.29	---	16.46	12.82	---	27.46	---	12.52	---	13.55	12.28	---
MAX	17.00	22.34	26.26	29.13	22.17	27.46	25.97	29.47	28.20	27.75	19.02	18.48
MIN	11.06	11.04	11.79	12.82	11.90	11.65	11.61	11.70	12.40	13.37	11.78	11.46

MISSISSIPPI RIVER DELTA

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07380101 BAYOU MANCHAC NEAR LITTLE PRAIRIE, LA

LOCATION.--Lat 30°20'25", long 90°55'02", in sec.39, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, 4.6 mi northwest of Port Vincent, and 3.0 mi downstream from Clay Cut Bayou, on the right bank 1,000 ft upstream from mouth of Muddy Creek.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--June 1989 to October 1989 (mean elevations).

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

REMARKS.--Water-stage recorder for Bayou Manchac at mouth near Port Vincent (station 07380103) discontinued December 1989. Unpublished records, October to December 1989, available in files of the Louisiana District Office, Baton Rouge, La.

EXTREMES FOR CURRENT YEAR.--Maximum elevation during period June to September, 8.11 ft, July 1; minimum elevation, 1.13 ft, Aug. 7.

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	7.99	2.60	1.48
2	---	---	---	---	---	---	---	---	---	6.97	3.00	1.24
3	---	---	---	---	---	---	---	---	1.98	5.32	2.25	1.45
4	---	---	---	---	---	---	---	---	1.90	4.57	1.74	1.89
5	---	---	---	---	---	---	---	---	1.95	4.74	1.45	2.56
6	---	---	---	---	---	---	---	---	3.35	6.13	1.27	2.70
7	---	---	---	---	---	---	---	---	3.32	7.04	1.13	2.49
8	---	---	---	---	---	---	---	---	3.57	5.72	1.97	2.21
9	---	---	---	---	---	---	---	---	4.05	3.81	2.44	2.06
10	---	---	---	---	---	---	---	---	4.28	2.87	1.82	1.98
11	---	---	---	---	---	---	---	---	3.93	2.67	1.72	2.04
12	---	---	---	---	---	---	---	---	2.24	2.47	1.88	2.10
13	---	---	---	---	---	---	---	---	1.59	1.87	1.92	2.18
14	---	---	---	---	---	---	---	---	2.11	1.75	1.91	2.13
15	---	---	---	---	---	---	---	---	4.33	1.66	1.82	2.09
16	---	---	---	---	---	---	---	---	4.37	1.57	1.71	1.78
17	---	---	---	---	---	---	---	---	4.30	1.50	1.60	1.93
18	---	---	---	---	---	---	---	---	3.37	1.76	1.51	2.09
19	---	---	---	---	---	---	---	---	1.98	1.77	1.47	2.05
20	---	---	---	---	---	---	---	---	1.52	1.63	1.47	2.08
21	---	---	---	---	---	---	---	---	1.64	1.68	1.78	1.97
22	---	---	---	---	---	---	---	---	1.78	2.20	2.21	1.76
23	---	---	---	---	---	---	---	---	1.96	2.17	2.17	1.56
24	---	---	---	---	---	---	---	---	1.97	2.21	1.84	1.63
25	---	---	---	---	---	---	---	---	1.99	2.43	1.63	2.08
26	---	---	---	---	---	---	---	---	2.00	2.63	1.60	2.13
27	---	---	---	---	---	---	---	---	2.15	2.41	1.56	1.95
28	---	---	---	---	---	---	---	---	4.28	2.23	1.50	2.11
29	---	---	---	---	---	---	---	---	6.50	2.15	1.74	2.74
30	---	---	---	---	---	---	---	---	7.58	2.04	1.78	3.43
31	---	---	---	---	---	---	---	---	---	2.13	1.70	---
MAX	---	---	---	---	---	---	---	---	---	7.99	3.00	3.43
MIN	---	---	---	---	---	---	---	---	---	1.50	1.13	1.24

MISSISSIPPI RIVER DELTA

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.--Records poor.

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; no flow at times each year 1986, 1987, 1988, and 1989.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 28,400 ft³/s, May 22, elevation, 5.92 ft; maximum negative discharge, -1.210 ft, Aug. 22; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285	423	2130	4640	287	431	15000	649	340	20300	1770	-371
2	572	224	1090	9980	275	753	13300	373	573	16100	2490	-253
3	1790	-3.9	841	16800	430	1330	7150	174	1980	9340	1310	-120
4	2090	182	721	14800	424	2300	2550	1740	1930	7740	950	-342
5	2380	613	582	8930	268	2350	3730	5670	1840	8640	440	-443
6	2200	619	506	4120	322	1360	3170	6280	5670	12700	249	-409
7	1600	120	438	1120	631	829	2460	5260	5090	13900	93	-255
8	990	86	372	828	524	697	1050	2390	5260	10000	2540	-300
9	622	-12	475	709	549	578	775	800	7050	5600	3180	-448
10	643	-61	474	941	472	436	900	658	7200	2830	956	-169
11	384	380	5300	1460	428	432	795	342	6180	3310	147	572
12	411	320	7130	2910	414	407	686	294	2450	3490	231	1370
13	222	228	7330	1790	329	380	742	426	1860	2440	20	499
14	110	374	4090	1960	669	316	657	522	2460	1960	-153	241
15	185	640	2290	2890	377	330	625	375	9180	1780	-186	1630
16	158	1030	1990	3380	417	381	508	1620	8460	2400	-220	592
17	177	464	1690	3390	471	336	625	3500	9420	e2740	-351	141
18	221	189	1430	1820	386	308	551	5170	6270	3100	-388	-59
19	429	3430	1260	2200	279	203	706	12500	2440	2440	-239	-265
20	391	4870	1060	2480	158	203	643	14400	1370	2190	-294	-277
21	500	5190	1620	3360	479	277	563	21900	1310	3710	-391	-62
22	532	5730	1150	3070	1610	812	510	25100	1280	3980	-177	138
23	528	5230	4030	2520	2850	2510	479	19500	1510	2330	-175	-56
24	357	2010	7500	1540	2200	2900	348	12600	771	1860	274	-47
25	190	932	8650	1420	459	2430	329	6440	633	2210	-43	-166
26	302	661	10000	1230	376	1020	326	1330	652	1770	-57	-125
27	624	2700	8800	1050	358	1560	610	882	590	1120	-231	-49
28	1180	4020	6150	383	364	668	252	563	8380	1090	-219	-473
29	746	5380	3310	485	---	3260	260	539	14300	1220	-162	1390
30	676	4830	2550	760	---	5510	419	556	18200	1340	128	3930
31	401	---	3440	469	---	10300	---	590	---	1200	-138	---
TOTAL	21896	50798.1	98399	103435	16806	45607	60719	153143	134649	154830	11354	5814
MEAN	706	1693	3174	3337	600	1471	2024	4940	4488	4995	366	194
MAX	2380	5730	10000	16800	2850	10300	15000	25100	18200	20300	3180	3930
MIN	110	-3.9	372	383	158	203	252	174	340	1090	20	-47

e Estimated.

MISSISSIPPI RIVER DELTA

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07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.31	1.64	.93	1.83	1.30	1.15	3.59	1.65	1.86	4.93	2.40	1.34
2	2.29	1.57	.65	2.74	1.27	1.67	3.44	1.26	1.81	4.35	2.41	1.10
3	2.16	1.51	.39	3.99	1.27	1.96	2.45	1.28	1.77	3.32	1.86	1.50
4	1.96	1.61	.33	4.01	1.11	2.17	1.66	1.61	1.71	2.84	1.30	1.90
5	1.89	1.04	.49	2.95	1.14	1.96	1.49	2.24	1.73	2.88	.89	2.54
6	1.94	.06	.85	1.65	1.24	.99	1.20	1.98	2.30	3.67	.69	2.65
7	1.83	.15	1.07	1.46	1.09	.41	.87	1.81	2.18	4.21	.78	2.42
8	1.70	.77	1.26	1.57	1.04	.34	.45	1.25	2.47	3.49	1.50	2.15
9	1.44	.99	1.43	1.68	.90	.43	.82	.98	2.63	2.40	1.88	2.01
10	1.35	1.17	1.57	1.90	.72	.43	1.37	.53	2.80	2.02	1.58	1.92
11	1.17	1.36	2.36	2.17	.65	.47	1.50	.80	2.57	1.94	1.64	1.97
12	1.14	1.71	2.67	2.16	.73	.39	1.65	1.09	1.66	1.65	1.81	2.02
13	1.41	1.80	2.44	1.89	.93	.39	1.76	1.19	1.34	1.02	1.86	2.09
14	1.84	1.85	1.57	1.98	1.17	.60	1.62	1.37	1.59	.72	1.85	1.99
15	1.98	1.82	1.13	2.08	1.29	.96	1.52	1.21	2.54	.62	1.76	1.80
16	1.85	1.78	1.04	1.97	1.26	1.32	1.40	1.45	2.76	.63	1.61	1.62
17	1.76	1.78	.50	1.69	1.12	1.47	1.43	2.09	2.75	.74	1.47	1.88
18	1.70	2.12	.39	1.57	1.04	1.44	1.35	2.34	2.27	.97	1.37	1.97
19	1.53	2.49	.68	1.85	1.35	1.31	1.09	3.19	1.57	.97	1.35	2.00
20	1.62	2.35	1.01	2.26	1.53	1.30	.85	3.79	1.33	.73	1.48	2.02
21	1.76	2.12	1.27	2.34	1.57	1.07	.96	4.91	1.37	1.02	1.80	1.91
22	1.58	2.20	1.33	2.22	1.03	1.35	1.20	5.80	1.49	1.52	2.19	1.64
23	1.60	2.04	1.99	1.78	.90	1.74	1.23	4.94	1.67	1.76	2.10	1.41
24	1.60	1.61	2.71	1.36	.65	1.74	1.22	3.32	1.82	1.86	1.77	1.56
25	1.76	1.47	3.12	1.28	.01	1.66	1.18	1.65	1.88	2.16	1.53	2.03
26	1.92	1.54	3.32	1.46	.09	1.52	1.06	1.16	1.88	2.33	1.49	2.06
27	1.93	1.81	3.07	1.11	.22	1.61	.99	.91	1.98	2.14	1.38	1.87
28	1.90	1.64	2.38	1.47	.57	1.77	1.00	.66	2.75	1.97	1.39	2.07
29	1.78	1.67	1.85	1.77	---	2.19	1.15	1.22	3.71	1.83	1.60	2.47
30	1.68	1.64	1.78	1.42	---	2.85	1.47	1.64	4.52	1.73	1.66	2.73
31	1.67	---	1.44	1.34	---	3.11	---	1.74	---	1.93	1.56	---
MAX	2.31	2.49	3.32	4.01	1.57	3.11	3.59	5.80	4.52	4.93	2.41	2.73
MIN	1.14	.06	.33	1.11	.01	.34	.45	.53	1.33	.62	.69	1.10

MISSISSIPPI RIVER DELTA

07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965, 1967-69, 1976, 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (µS/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (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...	1000	177	69	7.34	21.0	20	16	8.8	1.9	240	260
JAN 06...	1030	4120	82	6.72	16.0	80	45	7.0	1.0	250	570
APR 18...	0815	551	90	7.12	20.0	40	17	7.9	0.6	--	210
JUL 17...	1130	2740	99	6.99	28.0	50	20	5.8	1.7	210	100

DATE	HARD-NESS TOTAL (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 WAT WH TOT FET 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)
OCT 17...	15	3.5	1.4	6.7	1.7	21	4.8	6.7	<0.1	13	60
JAN 06...	20	5.0	1.7	7.1	2.4	17	4.7	9.8	0.1	9.8	65
APR 18...	19	4.8	1.8	9.0	1.7	24	3.7	9.0	0.1	13	61
JUL 17...	28	7.5	2.2	7.7	2.2	39	3.0	9.8	0.1	13	66

DATE	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, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (µG/L AS Al)
OCT 17...	50	<0.01	0.19	<0.01	<0.01	0.3	0.13	0.07	0.05	50
JAN 06...	53	0.02	0.14	0.14	0.13	0.7	0.13	0.10	0.08	310
APR 18...	59	0.02	0.31	0.09	0.08	0.5	0.13	0.06	0.05	50
JUL 17...	65	<0.01	0.21	0.07	0.07	0.4	0.19	0.12	0.13	40

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

MISSISSIPPI RIVER DELTA

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07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 17...	1	35	<0.5	<1	<1	<3	1	400	<5	<4	220
JAN 06...	1	55	<0.5	<1	<1	<3	4	500	6	<4	170
APR 18...	<1	45	<0.5	<1	<1	<3	2	260	<5	<4	270
JUL 17...	2	34	<0.5	<1	<1	<3	2	290	1	<4	96

DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	<0.1	<10	<1	<1	<1	30	<6	3	33	16	88
JAN 06...	<0.1	<10	2	<1	<1	35	<6	10	107	1190	98
APR 18...	<0.1	<10	<1	<1	<1	37	<6	6	35	52	94
JUL 17...	--	<10	1	<1	<1	48	<6	10	24	178	100

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

MISSISSIPPI RIVER DELTA

07381000 BAYOU LAFOURCHE AT THIBODAUX. LA

LOCATION.--Lat 29°47'52", long 90°49'21", in sec.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.

PERIOD OF RECORD.--October 1984 to current year. April 1966 to September 1984 (elevations only). Unpublished records, May 1954 to July 1957, available in files of the Louisiana District Office, Baton Rouge, La.

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).

REMARKS.--No discharge for period of indefinite discharge, Jan. 23-Feb. 3, when gate on weir was opened to flush system. Records fair. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft downstream since Nov. 5, 1968. About 5.1 ft³/s is diverted daily from the stream above weir for city of Thibodaux water supply.

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 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	73	132	113	---	94	86	107	143	129	168	59
2	207	63	126	124	---	104	97	71	266	134	123	68
3	116	57	125	127	---	108	95	76	226	146	109	71
4	70	62	149	140	65	123	78	105	168	343	106	70
5	54	67	139	162	150	184	109	138	244	247	82	69
6	51	67	122	181	178	160	131	122	375	192	78	69
7	52	64	116	185	191	110	149	109	191	182	77	72
8	66	69	137	194	189	95	154	101	295	170	88	80
9	102	71	149	199	191	92	156	104	240	160	77	79
10	112	70	154	198	148	82	154	109	140	160	68	82
11	93	73	154	192	107	106	160	107	122	148	63	69
12	83	80	148	190	86	175	166	101	105	146	67	60
13	80	105	153	177	85	177	165	176	89	143	71	71
14	83	91	149	176	85	110	165	248	101	346	75	70
15	88	93	161	157	86	93	167	184	172	213	68	62
16	95	82	174	141	81	84	177	156	115	174	60	54
17	99	66	192	164	93	77	149	145	76	162	56	59
18	96	68	199	181	91	86	54	194	75	174	69	57
19	83	80	200	190	94	79	85	346	72	132	78	48
20	72	90	201	269	119	75	134	180	81	119	75	42
21	70	82	198	191	122	53	137	142	85	103	73	57
22	64	86	173	179	100	56	137	135	167	91	68	71
23	72	89	162	---	74	75	143	136	161	181	71	66
24	122	91	215	---	65	73	141	153	139	244	80	74
25	98	98	229	---	91	95	133	142	144	147	84	76
26	90	101	163	---	151	110	130	129	128	115	71	80
27	110	119	127	---	155	89	127	119	109	83	64	75
28	102	126	111	---	118	57	118	116	131	93	66	78
29	133	130	96	---	---	78	111	116	148	108	65	169
30	98	134	93	---	---	104	105	112	135	110	58	224
31	80	---	99	---	---	99	---	91	---	137	58	---
TOTAL	2892	2547	4746	---	---	3103	3913	4270	4643	5032	2416	2281
MEAN	93.3	84.9	153	---	---	100	130	138	155	162	77.9	76.0
MAX	207	134	229	---	---	184	177	346	375	346	168	224
MIN	51	57	93	---	---	53	54	71	72	83	56	42
CAL YR 1988	TOTAL 44721		MEAN 122	MAX 1030		MIN 16						

MISSISSIPPI RIVER DELTA

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07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.20	4.95	5.13	5.05	4.70	4.98	4.96	5.03	5.12	5.10	5.22	4.85
2	5.40	4.91	5.11	5.09	4.62	5.02	5.00	4.90	5.50	5.12	5.08	4.88
3	5.12	4.88	5.11	5.10	4.54	5.03	4.99	4.92	5.39	5.15	5.03	4.90
4	4.95	4.90	5.18	5.14	4.85	5.08	4.93	5.02	5.22	5.68	5.03	4.89
5	4.89	4.91	5.14	5.21	5.17	5.27	5.04	5.13	5.41	5.45	4.94	4.89
6	4.87	4.91	5.09	5.26	5.25	5.20	5.11	5.08	5.76	5.29	4.92	4.89
7	4.88	4.90	5.07	5.27	5.29	5.04	5.17	5.04	5.29	5.27	4.92	4.90
8	4.92	4.92	5.14	5.30	5.29	4.99	5.18	5.01	5.53	5.23	4.96	4.93
9	5.06	4.93	5.18	5.31	5.29	4.97	5.19	5.02	5.42	5.20	4.92	4.93
10	5.10	4.92	5.19	5.31	5.16	4.94	5.18	5.03	5.14	5.20	4.89	4.94
11	5.03	4.93	5.19	5.30	5.03	5.02	5.20	5.03	5.08	5.16	4.86	4.89
12	4.99	4.96	5.17	5.29	4.96	5.24	5.22	5.01	5.02	5.16	4.88	4.85
13	4.98	5.05	5.19	5.25	4.95	5.25	5.21	5.23	4.96	5.15	4.90	4.90
14	4.99	5.00	5.18	5.25	4.95	5.04	5.22	5.45	5.00	5.69	4.91	4.89
15	5.01	5.01	5.21	5.19	4.95	4.98	5.22	5.27	5.24	5.35	4.89	4.86
16	5.04	4.97	5.25	5.14	4.94	4.95	5.25	5.19	5.06	5.24	4.85	4.82
17	5.05	4.91	5.30	5.21	4.98	4.92	5.16	5.16	4.92	5.20	4.84	4.84
18	5.04	4.92	5.31	5.26	4.97	4.95	4.83	5.28	4.91	5.24	4.89	4.84
19	4.99	4.96	5.32	5.29	4.98	4.93	4.94	5.68	4.90	5.11	4.92	4.80
20	4.95	4.99	5.32	5.50	5.07	4.91	5.12	5.26	4.93	5.07	4.91	4.77
21	4.94	4.96	5.31	5.29	5.08	4.82	5.13	5.14	4.95	5.01	4.90	4.84
22	4.91	4.97	5.24	5.26	5.00	4.83	5.13	5.12	5.22	4.97	4.88	4.90
23	4.94	4.99	5.21	5.23	4.91	4.91	5.15	5.12	5.20	5.24	4.90	4.87
24	5.12	4.99	5.36	5.18	4.87	4.90	5.14	5.18	5.14	5.44	4.93	4.91
25	5.04	5.02	5.40	4.97	4.97	4.99	5.12	5.14	5.15	5.16	4.95	4.92
26	5.01	5.03	5.21	4.94	5.17	5.04	5.11	5.10	5.10	5.06	4.90	4.93
27	5.08	5.09	5.10	4.79	5.18	4.96	5.10	5.07	5.04	4.94	4.87	4.91
28	5.05	5.11	5.04	4.76	5.07	4.84	5.07	5.06	5.11	4.98	4.88	4.92
29	5.16	5.13	4.99	4.93	---	4.92	5.04	5.06	5.16	5.03	4.87	5.22
30	5.04	5.14	4.98	4.95	---	5.02	5.02	5.05	5.12	5.04	4.84	5.38
31	4.97	---	5.00	4.83	---	5.00	---	4.97	---	5.12	4.84	---
MAX	5.40	5.14	5.40	5.50	5.29	5.27	5.25	5.68	5.76	5.69	5.22	5.38
MIN	4.87	4.88	4.98	4.76	4.54	4.82	4.83	4.90	4.90	4.94	4.84	4.77

MISSISSIPPI RIVER DELTA

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 Sept. 30, 1988 (daily discharges below 6.0 ft stage only, discontinued); January 1989 to September 1989.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 4.00 ft below National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, datum of gage 2.00 ft higher.

REMARKS.--Records poor. Flow occasionally reversed as a result of tide and wind effect.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,640 ft³/s, Oct. 13, 1984; maximum gage height, 8.89 ft, Oct. 28, 1985; maximum negative discharge, -1,470 ft³/s, Oct. 28, 1985. No flow at times each year.

EXTREMES FOR CURRENT PERIOD.--January to September 1989: Maximum positive discharge during period, 827 ft³/s, Mar. 5; maximum negative discharge, -504 ft³/s, Aug. 1; maximum gage height, 5.67 ft, Aug. 1; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	268	209	201	146	15	107	-48	-40
2	---	---	---	---	204	247	113	90	48	94	111	-31
3	---	---	---	---	232	231	84	30	50	92	182	-42
4	---	---	---	---	327	243	124	60	19	175	198	-22
5	---	---	---	---	235	598	228	120	65	162	191	-96
6	---	---	---	---	363	602	194	143	112	131	137	-99
7	---	---	---	---	330	535	154	112	73	102	72	-62
8	---	---	---	---	332	285	84	85	53	59	48	-40
9	---	---	---	---	369	166	100	87	119	11	18	-29
10	---	---	---	---	250	96	271	137	92	-.25	29	-13
11	---	---	---	---	313	155	166	90	78	17	7.8	30
12	---	---	---	---	206	136	136	63	58	35	15	21
13	---	---	---	---	263	107	156	23	25	47	29	36
14	---	---	---	---	280	147	166	67	-3.4	77	31	90
15	---	---	---	---	270	343	179	71	191	48	16	119
16	---	---	---	---	187	221	106	-6.9	204	41	27	102
17	---	---	---	---	244	136	103	-86	76	41	-4.1	15
18	---	---	---	---	208	187	86	-28	58	44	11	32
19	---	---	---	---	171	167	136	164	45	34	14	40
20	---	---	---	---	208	122	157	198	50	39	-42	29
21	---	---	---	---	420	183	105	188	27	21	.30	27
22	---	---	---	---	425	416	56	144	38	35	-7.6	39
23	---	---	---	---	349	315	85	129	-6.3	81	12	61
24	---	---	---	---	198	176	40	100	8.5	50	17	34
25	---	---	---	---	59	66	53	53	-7.4	7.0	-31	21
26	---	---	---	---	24	116	75	63	-27	6.5	-39	-28
27	---	---	---	---	109	41	55	99	-31	18	-40	-51
28	---	---	---	129	249	-4.3	76	95	8.6	21	-5.4	-5.4
29	---	---	---	251	---	93	96	46	37	4.4	-22	-1.8
30	---	---	---	211	---	295	74	17	80	-15	-32	-14
31	---	---	---	324	---	259	---	-2.1	---	-110	-38	---
TOTAL	---	---	---	---	7093	6888.7	3659	2497.0	1555.0	1474.65	857.00	121.8
MEAN	---	---	---	---	253	222	122	80.5	51.8	47.6	27.6	4.06
MAX	---	---	---	---	425	602	271	198	204	175	198	119
MIN	---	---	---	---	24	-4.3	40	-6.9	-3.4	-.25	.30	-1.8

MISSISSIPPI RIVER DELTA

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07381324 BAYOU GRAND CAILLOU AT DULAC, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	4.24	3.94	4.10	4.16	4.48	4.87	5.46	4.46
2	---	---	---	---	4.25	4.07	4.35	4.08	4.48	4.85	5.05	4.35
3	---	---	---	---	4.22	4.26	4.33	4.25	4.50	4.77	4.65	4.27
4	---	---	---	---	3.94	4.49	4.50	4.57	4.54	4.57	4.40	4.46
5	---	---	---	---	4.06	4.31	4.07	4.53	4.61	4.42	4.18	4.67
6	---	---	---	---	4.05	3.61	3.94	4.32	4.55	4.22	3.99	4.79
7	---	---	---	---	3.76	3.32	3.84	4.16	4.61	4.15	3.98	4.79
8	---	---	---	---	3.62	3.26	4.01	4.16	4.79	4.14	3.99	4.74
9	---	---	---	---	3.30	3.24	4.17	4.29	4.52	4.25	4.14	4.68
10	---	---	---	---	3.62	3.50	3.82	3.96	4.38	4.53	4.19	4.63
11	---	---	---	---	3.77	3.57	3.68	3.88	4.34	4.50	4.22	4.63
12	---	---	---	---	3.87	3.63	3.95	3.91	4.37	4.39	4.29	4.66
13	---	---	---	---	4.12	3.79	4.09	4.17	4.46	4.31	4.39	4.76
14	---	---	---	---	4.16	4.09	4.07	4.27	4.75	4.14	4.44	4.74
15	---	---	---	---	4.11	4.24	4.06	4.20	4.57	4.18	4.45	4.50
16	---	---	---	---	4.00	4.24	4.11	4.26	4.17	4.13	4.43	4.28
17	---	---	---	---	3.90	4.31	4.14	4.56	4.21	4.16	4.42	4.28
18	---	---	---	---	3.87	4.27	4.22	4.78	4.23	4.24	4.32	4.39
19	---	---	---	---	3.91	4.15	4.11	4.83	4.27	4.22	4.19	4.50
20	---	---	---	---	4.31	4.30	3.86	4.63	4.23	4.15	4.28	4.49
21	---	---	---	---	4.25	4.22	3.88	4.51	4.29	4.14	4.41	4.50
22	---	---	---	---	3.40	4.03	4.09	4.45	4.35	4.22	4.64	4.39
23	---	---	---	---	2.84	3.97	4.18	4.38	4.54	4.22	4.70	4.21
24	---	---	---	---	2.94	4.02	4.21	4.28	4.63	4.20	4.57	3.98
25	---	---	---	---	3.12	4.17	4.23	4.40	4.68	4.45	4.52	4.18
26	---	---	---	---	3.42	4.21	4.16	4.43	4.78	4.56	4.49	4.37
27	---	---	---	---	3.89	4.32	4.21	4.13	5.02	4.54	4.48	4.42
28	---	---	---	4.06	3.95	4.41	4.27	3.84	5.17	4.47	4.42	4.35
29	---	---	---	4.13	---	4.57	4.21	3.97	5.04	4.49	4.42	4.43
30	---	---	---	4.12	---	4.50	4.29	4.20	4.98	4.56	4.46	4.40
31	---	---	---	4.12	---	4.14	---	4.37	---	4.95	4.47	---
MAX	---	---	---	---	4.31	4.57	4.50	4.83	5.17	4.95	5.46	4.79
MIN	---	---	---	---	2.84	3.24	3.68	3.84	4.17	4.13	3.98	3.98

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA

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.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year. Prior to Oct. 1, 1983, gage heights 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.

REMARKS.--Estimated daily discharges: June 2, 28-30 to July 1-26. Records poor. No elevation records, June 2, 26, 29, and July 1, 2.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 5,170 ft³/s, Feb. 19, 1988, maximum elevation 12.11 ft, Oct. 27, 1983; maximum negative discharge, -280 ft³/s, June 16, 1985, no flow at times each year, 1983-88.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,880 ft³/s, May 22, June 1; minimum daily discharge, 12 ft³/s, Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	19	50	1230	189	101	371	70	431	e1880	260	30
2	345	19	27	878	157	150	261	69	e600	e1830	297	24
3	326	24	19	769	149	375	213	66	793	e1820	272	22
4	181	325	17	775	145	342	182	309	987	e1790	229	21
5	62	363	16	738	140	272	170	1090	1110	e1680	195	22
6	30	176	15	651	136	230	176	1170	1410	e1570	186	28
7	17	52	17	546	140	182	164	1190	978	e1480	188	27
8	18	30	18	467	143	150	161	1150	875	e1540	591	31
9	21	28	18	383	125	129	157	1080	1000	e1580	608	32
10	23	36	20	472	104	121	156	1070	1490	e1620	392	34
11	20	34	702	513	92	112	146	956	1640	e1640	264	33
12	18	35	1050	490	80	112	138	725	1650	e1580	223	36
13	16	37	934	461	77	104	123	469	1570	e1450	197	34
14	12	37	769	431	82	103	114	306	1490	e1340	167	29
15	18	40	550	395	87	119	111	215	1570	e1260	142	50
16	21	42	329	351	86	117	109	193	1480	e1160	117	42
17	23	37	327	290	79	108	105	397	1410	e1100	101	32
18	23	33	268	260	75	110	102	649	1300	e1110	86	28
19	22	47	125	681	69	104	95	1480	1190	e1050	126	23
20	22	56	37	757	68	114	90	1540	1080	e1240	110	25
21	21	53	36	776	147	128	83	1690	911	e1380	64	24
22	19	38	30	700	211	275	78	1880	749	e1220	48	30
23	23	29	564	588	152	917	72	1600	676	e1090	50	31
24	29	25	1010	471	114	917	70	1550	559	e1040	56	35
25	26	25	583	370	91	709	67	1540	461	e954	62	30
26	30	30	671	325	78	477	67	1480	406	e840	55	25
27	133	318	778	300	79	332	65	1390	430	708	40	24
28	100	543	904	272	83	268	68	1280	e1100	582	49	23
29	40	235	991	256	---	321	102	929	e1700	437	148	24
30	30	99	839	240	---	661	79	801	e1800	363	93	30
31	25	---	863	209	---	557	---	626	---	286	50	---
TOTAL	1919	2865	12577	16045	3178	8717	3895	28960	32846	38620	5466	879
MEAN	61.9	95.5	406	518	113	281	130	934	1095	1246	176	29.3
MAX	345	543	1050	1230	211	917	371	1880	1800	1880	608	50
MIN	12	19	15	209	68	101	65	66	406	286	40	21
AC-FT	3810	5680	24950	31830	6300	17290	7730	57440	65150	76600	10840	1740

e Estimated.

MISSISSIPPI RIVER DELTA

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07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	.21	1.01	9.20	2.34	1.41	4.00	1.71	5.35	---	4.16	.85
2	2.08	.19	.70	9.34	2.22	1.69	3.53	1.65	---	---	4.43	.73
3	2.41	.45	.51	9.13	2.10	2.81	3.29	1.58	5.63	11.74	4.07	.59
4	1.69	3.07	.41	8.84	1.99	2.77	3.15	2.49	6.66	11.92	3.71	.48
5	.98	4.92	.32	8.47	1.89	2.48	3.25	8.52	7.85	11.80	3.44	.60
6	.67	3.03	.27	7.99	1.81	2.29	3.14	9.37	10.07	11.71	3.19	.81
7	.50	1.21	.38	7.20	1.85	2.11	2.96	9.16	10.25	11.56	3.05	.89
8	.44	.58	.48	6.14	1.79	1.95	2.81	8.82	10.40	11.35	4.75	1.00
9	.47	.48	.47	5.08	1.64	1.84	2.64	8.40	10.34	11.09	4.83	1.09
10	.58	.53	.51	5.63	1.47	1.81	2.49	7.85	10.03	10.84	3.58	1.07
11	.46	.57	4.56	6.49	1.34	1.81	2.35	6.89	10.04	10.56	2.80	1.13
12	.38	.58	7.53	6.32	1.28	1.82	2.20	5.55	9.98	10.27	2.56	1.13
13	.22	.78	7.03	5.82	1.28	1.83	2.09	4.02	9.71	9.95	2.28	1.11
14	.04	.74	5.78	5.65	1.34	1.92	2.02	2.88	9.60	9.76	2.01	1.16
15	.28	.72	4.33	5.43	1.36	1.95	1.97	2.45	10.05	9.50	1.77	1.33
16	.41	.85	3.50	4.79	1.32	1.94	1.98	2.45	9.94	9.16	1.53	1.09
17	.52	.62	2.96	4.04	1.24	1.96	1.92	3.10	9.65	8.95	1.34	.96
18	.49	.41	2.14	3.69	1.17	1.96	1.88	4.71	9.32	8.52	1.21	.77
19	.46	.84	1.53	6.90	1.12	1.98	1.84	9.91	8.95	7.67	1.37	.72
20	.43	1.23	1.18	7.92	1.17	2.02	1.81	10.44	8.46	8.68	1.25	.84
21	.42	1.14	1.02	7.90	1.55	2.06	1.79	10.52	7.74	9.27	.96	.93
22	.40	.82	.91	7.09	1.91	2.56	1.76	10.91	6.81	8.85	.88	1.21
23	.62	.66	4.27	5.94	1.61	5.89	1.72	10.65	5.98	8.67	.99	1.32
24	.82	.68	8.99	4.88	1.35	6.35	1.76	10.33	5.21	9.14	1.06	1.27
25	.66	.84	9.20	4.06	1.25	5.11	1.76	9.98	4.70	8.70	1.06	1.03
26	.78	1.06	8.82	3.57	1.26	3.83	1.76	9.62	---	7.94	1.00	.92
27	1.46	2.23	8.39	3.27	1.35	3.11	1.74	9.25	4.63	6.93	.91	.84
28	1.43	3.72	7.91	3.01	1.39	2.85	1.76	8.86	9.54	5.88	.97	.82
29	.96	2.43	7.16	2.80	---	3.35	1.91	8.37	---	5.16	1.74	.93
30	.68	1.48	6.12	2.63	---	5.47	1.81	7.64	11.66	4.70	1.42	1.19
31	.47	---	6.66	2.49	---	4.95	---	6.56	---	4.31	1.03	---
MAX	2.41	4.92	9.20	9.34	2.34	6.35	4.00	10.91	---	---	4.83	1.33
MIN	.04	.19	.27	2.49	1.12	1.41	1.72	1.58	---	---	.88	.48

RED RIVER BASIN

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 mi west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1973 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to current year.

REMARKS.--Records for the 1989 water year are not available in time for inclusion in this report. They will be published in a subsequent report. Old River Control Structure was closed November 18-30, 1987 resulting in suspended-sediment discharges of 0.0 tons.

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 0.0 tons Nov. 18-30 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
21...	1045	75000	212	42900	95
28...	1145	52000	139	19500	99
NOV					
04...	1145	57000	159	24500	96
DEC					
02...	1045	27000	101	7440	99
08...	1145	63000	376	64000	98
JAN					
06...	1045	261000	374	264000	95
27...	1045	150000	430	174000	96
FEB					
10...	1145	162000	262	115000	91
24...	1145	136000	264	96900	97
MAR					
09...	1045	137000	231	85400	95
23...	1045	152000	281	115000	95
APR					
06...	1045	99200	432	116000	100
20...	1045	226000	322	196000	84
MAY					
04...	1045	141000	281	107000	89
18...	1045	108000	123	35900	94
JUN					
08...	1045	54500	105	15500	98
15...	1045	60900	128	21000	85
22...	1045	56200	153	23200	96

RED RIVER BASIN

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310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27000	24000	3000	246000	243000	91000	75000	128000	21000	26000	23000	11000
2	30000	24000	16000	246000	247000	98000	61000	126000	19000	20000	19000	10000
3	31000	26000	21000	240000	227000	98000	65000	119000	21000	18000	18000	10000
4	31000	24000	26000	238000	184000	95000	68000	107000	20000	18000	18000	9000
5	30000	23000	36000	248000	154000	77000	81000	96000	19000	18000	17000	9000
6	31000	23000	34000	263000	111000	77000	116000	86000	19000	17000	17000	9000
7	30000	22000	47000	273000	103000	76000	155000	81000	18000	10000	16000	9000
8	30000	21000	64000	276000	97000	83000	188000	75000	16000	11000	15000	11000
9	30000	21000	57000	275000	110000	85000	205000	69000	14000	11000	14000	9000
10	30000	17000	46000	277000	114000	73000	196000	61000	14000	9000	15000	10000
11	30000	14000	48000	274000	127000	64000	190000	53000	17000	7000	13000	10000
12	29000	15000	61000	244000	140000	75000	199000	50000	17000	6000	9000	9000
13	28000	18000	59000	203000	155000	80000	207000	48000	18000	8000	11000	7000
14	26000	18000	56000	166000	159000	103000	222000	46000	21000	8000	12000	8000
15	30000	18000	59000	118000	177000	131000	220000	44000	21000	10000	13000	8000
16	28000	21000	55000	70000	184000	148000	224000	42000	21000	12000	13000	6000
17	30000	7000	55000	69000	190000	156000	213000	38000	21000	13000	13000	6000
18	31000	.0	52000	57000	194000	157000	201000	36000	23000	15000	12000	6000
19	32000	.0	54000	56000	196000	142000	196000	37000	24000	15000	11000	6000
20	41000	.0	54000	39000	170000	140000	196000	37000	23000	14000	11000	7000
21	43000	.0	54000	36000	166000	136000	196000	34000	22000	11000	10000	8000
22	41000	.0	43000	40000	131000	118000	189000	32000	23000	9000	12000	9000
23	40000	.0	39000	53000	102000	115000	167000	30000	23000	11000	12000	14000
24	33000	.0	38000	56000	97000	118000	171000	24000	22000	12000	12000	15000
25	30000	.0	64000	61000	89000	124000	174000	21000	23000	13000	11000	16000
26	27000	.0	65000	104000	87000	112000	160000	21000	21000	14000	11000	15000
27	20000	.0	66000	174000	79000	111000	159000	21000	22000	15000	9000	15000
28	20000	.0	69000	200000	77000	112000	156000	22000	22000	16000	10000	15000
29	23000	.0	69000	222000	79000	91000	146000	22000	28000	19000	8000	18000
30	26000	.0	112000	244000	---	92000	132000	21000	27000	23000	10000	20000
31	24000	---	174000	239000	---	100000	---	21000	---	23000	10000	---
TOTAL	932000	336000.0	1696000	5307000	4189000	3278000	4928000	1648000	620000	432000	405000	315000
MEAN	30100	11200	54700	171000	144000	106000	164000	53200	20700	13900	13100	10500
MAX	43000	26000	174000	277000	247000	157000	224000	128000	28000	26000	23000	20000
MIN	20000	.0	3000	36000	77000	64000	61000	21000	14000	6000	8000	6000
WTR YR 1988	TOTAL	24086000.0		MEAN	65800		MAX	277000		MIN	.0	

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

WATER-QUALITY RECORDS

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.

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 1989 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 1987 TO SEPTEMBER 1988

DATE	TIME	DIS- CHARGE, INST. 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					
14...	1015	72600	146	28600	100
27...	1115	64500	82	14300	100
NOV					
10...	1115	74200	156	31300	94
24...	1115	168000	492	223000	100
DEC					
07...	1115	138000	224	83400	90
22...	1115	166000	251	112000	100
JAN					
05...	1115	456000	567	698000	90
20...	1115	264000	504	359000	93
FEB					
12...	1115	341000	300	276000	93
23...	1115	341000	308	283000	94
MAR					
08...	1115	247000	415	277000	79
22...	1115	278000	585	439000	62
APR					
05...	1115	239000	571	368000	88
19...	1115	322000	308	268000	95
MAY					
03...	1115	208000	277	156000	88
17...	1115	125000	108	36400	98
JUN					
01...	1115	93600	137	34600	99
21...	1115	57400	94	14600	91
JUL					
07...	1115	54100	82	11900	100
19...	1115	54600	94	13900	99
AUG					
02...	1115	60300	77	12500	100
16...	1115	45300	90	11000	100
30...	1115	51800	68	9560	100
SEP					
13...	1115	45600	81	9920	100
27...	1115	50400	95	12900	99

MISSISSIPPI RIVER DELTA

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07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24000	18000	124000	587000	432000	275000	321000	171000	35000	11000	15000	11000
2	28000	18000	123000	632000	431000	283000	301000	161000	34000	12000	12000	10000
3	32000	20000	117000	662000	414000	287000	319000	155000	32000	11000	11000	11000
4	32000	19000	105000	680000	370000	293000	337000	133000	31000	11000	12000	12000
5	32000	22000	95000	697000	336000	270000	368000	117000	33000	12000	12000	12000
6	31000	20000	82000	750000	282000	270000	388000	102000	33000	14000	12000	10000
7	28000	24000	83000	771000	264000	267000	415000	91000	33000	12000	13000	10000
8	28000	26000	93000	792000	251000	276000	443000	82000	30000	12000	11000	11000
9	29000	32000	99000	799000	266000	301000	459000	73000	23000	14000	8000	9000
10	29000	31000	95000	806000	273000	319000	435000	64000	21000	13000	10000	10000
11	30000	18000	98000	813000	279000	358000	409000	58000	19000	13000	12000	13000
12	27000	18000	104000	777000	276000	339000	402000	49000	18000	10000	9000	12000
13	25000	31000	101000	728000	292000	345000	387000	46000	19000	12000	8000	10000
14	29000	37000	97000	676000	298000	386000	381000	46000	19000	10000	10000	11000
15	25000	42000	99000	597000	316000	439000	364000	42000	19000	9000	11000	12000
16	22000	56000	95000	503000	323000	477000	344000	40000	17000	10000	11000	12000
17	20000	137000	93000	473000	332000	497000	317000	36000	16000	11000	10000	13000
18	18000	147000	90000	429000	335000	508000	291000	35000	16000	12000	11000	12000
19	17000	169000	98000	408000	343000	495000	267000	37000	16000	14000	9000	10000
20	20000	178000	102000	359000	339000	493000	279000	61000	15000	14000	9000	10000
21	19000	197000	112000	324000	342000	480000	285000	37000	14000	13000	9000	10000
22	17000	218000	113000	312000	322000	439000	281000	38000	14000	10000	10000	9000
23	21000	225000	110000	319000	283000	415000	242000	37000	15000	12000	11000	11000
24	19000	223000	114000	307000	279000	400000	242000	32000	14000	10000	11000	12000
25	19000	200000	135000	290000	274000	387000	240000	28000	13000	10000	11000	13000
26	18000	177000	146000	320000	276000	387000	228000	28000	13000	9000	11000	13000
27	15000	157000	157000	373000	268000	383000	221000	26000	12000	10000	10000	13000
28	12000	154000	203000	402000	266000	374000	214000	26000	11000	11000	11000	13000
29	15000	142000	247000	421000	260000	312000	211000	24000	11000	13000	10000	16000
30	18000	130000	333000	439000	---	282000	180000	32000	11000	15000	10000	18000
31	18000	---	454000	431000	---	328000	---	34000	---	16000	10000	---
TOTAL	717000	2886000	4117000	16877000	9022000	11365000	9571000	1941000	607000	366000	330000	349000
MEAN	23100	96200	133000	544000	311000	367000	319000	62600	20200	11800	10600	11600
MAX	32000	225000	454000	813000	432000	508000	459000	171000	35000	16000	15000	18000
MIN	12000	18000	82000	290000	251000	267000	180000	24000	11000	9000	8000	9000

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 NW 1/4 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.

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. A specific conductance of 195 microsiemens was observed on Mar. 1, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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												
26...	1130	51200	570	7.60	20.0	5	14	<1	8.9	1.8	25	640
NOV												
30...	1345	--	403	7.73	12.5	50	90	<1	8.5	1.4	51	1700
DEC												
29...	1130	--	269	7.67	8.0	60	55	<1	9.3	0.9	16	3000
JAN												
26...	1230	377000	219	7.67	10.5	60	54	<1	9.6	2.0	28	1200
MAR												
01...	1115	420000	195	7.18	8.5	60	130	<1	10.4	1.7	15	640
31...	1045	--	252	7.59	15.5	30	60	<1	8.4	--	19	340
APR												
20...	1200	356000	266	7.97	16.5	40	54	<1	8.3	1.3	23	520
MAY												
31...	1130	--	228	7.40	26.0	80	65	<1	5.4	0.8	35	K240
JUN												
30...	1330	370000	394	7.47	27.0	40	120	<1	6.0	0.8	44	1000
JUL												
31...	1400	--	233	7.36	28.5	80	55	<1	4.5	1.1	33	K100
AUG												
17...	1230	114000	328	7.45	28.5	40	27	<1	6.6	1.2	28	270
SEP												
27...	1145	--	434	7.61	22.0	20	70	<1	7.6	0.6	37	900

< 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

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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET 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 26...	K80	K40	180	45	17	46	3.9	133	64	51	0.2	6.1
NOV 30...	190	290	120	30	12	32	3.9	80	57	37	--	4.5
DEC 29...	220	750	87	23	7.3	19	3.2	68	26	22	--	--
JAN 26...	K52	110	78	22	5.7	10	2.4	53	27	12	0.1	5.9
MAR 01...	K70	120	74	21	5.2	9.3	2.1	59	23	10	0.1	5.5
31...	K38	340	88	24	6.7	14	2.5	61	29	17	--	--
APR 20...	<2	K24	100	28	7.6	13	2.5	68	32	15	0.2	5.7
MAY 31...	<4	K40	83	24	5.6	16	2.5	63	30	19	--	--
JUN 30...	88	210	110	31	8.9	31	2.5	70	50	40	0.1	5.5
JUL 31...	K6	140	72	20	5.4	18	2.5	57	23	23	--	--
AUG 17...	K10	K8	100	29	7.8	23	2.8	79	35	26	0.2	5.1
SEP 27...	K72	96	150	39	12	31	4.1	109	47	36	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	RESIDUE TOTAL 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- PHOROUS TOTAL (MG/L AS P)
OCT 26...	353	315	25	0.01	<0.01	0.4	0.39	0.04	0.01	0.6	0.6	0.18
NOV 30...	--	224	371	0.04	--	0.69	--	--	--	--	0.52	0.41
DEC 29...	--	141	116	0.04	--	0.33	--	--	--	--	0.63	0.22
JAN 26...	134	116	--	0.02	0.02	1.1	0.86	0.09	0.06	0.8	0.6	0.10
MAR 01...	112	107	270	0.02	0.01	0.6	0.52	0.08	0.06	1.0	0.4	0.27
31...	--	125	153	0.04	--	0.80	--	--	--	--	0.63	0.22
APR 20...	161	148	100	0.04	0.02	1.0	0.96	0.05	0.03	0.5	0.4	0.17
MAY 31...	--	135	153	0.02	--	0.43	--	--	--	--	0.55	0.27
JUN 30...	226	213	164	0.03	<0.01	0.7	0.71	0.05	0.01	0.5	0.4	0.09
JUL 31...	--	126	163	0.03	--	0.24	--	--	--	--	0.74	0.22
AUG 17...	193	178	91	0.02	<0.01	0.3	0.31	0.03	0.03	1.3	1.1	0.19
SEP 27...	--	235	341	<0.01	--	0.96	--	--	--	--	0.54	0.10

< 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).

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)
OCT 26...	0.07	0.05	<10	2	2	89	<10	<0.5	<1	<1	<1	<1
NOV 30...	--	--	--	4	1	--	<10	<10	2	<1	--	<10
DEC 29...	--	--	--	2	<1	--	<10	<10	<1	<1	--	10
JAN 26...	0.04	0.03	--	2	1	--	<10	<0.5	1	<1	--	6
MAR 01...	--	0.02	40	2	1	37	<10	<0.5	<1	<1	<1	9
31...	--	--	--	3	<1	--	<10	<10	<1	<1	--	<10
APR 20...	0.04	0.03	50	--	<1	54	--	<0.5	--	<1	<1	--
MAY 31...	--	--	--	3	<1	--	<10	<10	1	<1	--	<10
JUN 30...	0.03	0.03	--	2	1	--	<10	<0.5	1	1	--	11
JUL 31...	--	--	--	4	1	--	<10	<10	<1	<1	--	<10
AUG 17...	0.05	0.04	20	1	1	64	<10	<0.5	<1	<1	<1	2
SEP 27...	--	--	--	5	1	--	<10	<10	<1	<1	--	50

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)
OCT 26...	<1	<3	18	2	6	6	<5	14	1	<0.1	<0.1	<10
NOV 30...	2	--	30	3	60	20	<5	--	--	<0.1	<0.1	--
DEC 29...	<1	--	20	15	70	9	<5	--	--	<0.1	<0.1	--
JAN 26...	<1	--	17	4	120	20	<5	--	--	<0.1	<0.1	--
MAR 01...	<1	<3	9	4	100	7	<5	5	19	<0.1	0.1	<10
31...	<1	--	10	6	80	7	<5	--	--	<0.1	<0.1	--
APR 20...	--	<3	--	2	120	--	<5	<4	17	<0.1	--	<10
MAY 31...	<1	--	20	5	60	20	<5	--	--	<0.1	<0.1	--
JUN 30...	<1	--	13	4	38	30	1	--	--	<0.1	<0.1	--
JUL 31...	<1	--	10	4	--	10	<1	--	--	<0.1	<0.1	--
AUG 17...	1	<3	16	9	110	13	1	10	6	<0.1	<0.1	<10
SEP 27...	<1	--	20	6	10	10	1	--	--	<0.1	<0.1	--

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

MISSISSIPPI RIVER DELTA

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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 26...	1	1	<1	<1	<1	300	<6	10	5	4.2	<0.01
NOV 30...	10	1	<1	<1	--	--	1	60	<10	11	<0.01
DEC 29...	10	<1	<1	<1	--	--	2	60	<10	8.5	<0.01
JAN 26...	7	3	<1	<1	--	--	2	50	16	9.4	<0.01
MAR 01...	11	<1	<1	<1	<1	96	<6	40	13	8.4	<0.01
31...	9	3	<1	<1	--	--	<1	30	<10	7.3	<0.01
APR 20...	--	4	--	<1	<1	130	<6	--	<3	7.9	<0.01
MAY 31...	10	2	<1	<1	--	--	2	30	<10	9.9	<0.01
JUN 30...	12	1	<1	<1	--	--	<1	40	11	8.5	<0.01
JUL 31...	6	2	<1	<1	--	--	2	30	<10	9.6	<0.01
AUG 17...	4	2	<1	<1	<1	200	<1	30	10	7.8	<0.01
SEP 27...	--	--	<1	<1	--	--	2	70	20	8.4	<0.01

DATE	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV- METRIC (MG/L)	PCB, TOTAL (µG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)	CHLOR- DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI- AZINON, TOTAL (µG/L)	DI- ELDRIN TOTAL (µG/L)
OCT 26...	11	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 30...	3	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01
DEC 29...	2	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01
JAN 26...	1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
MAR 01...	12	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31...	7	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 20...	<1	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 31...	5	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 30...	3	6	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 31...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 17...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 27...	13	4	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ENDO-SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA- THION, TOTAL (µG/L)	METH- OXY- CHLOR, TOTAL (µG/L)	METHYL PARA- THION, TOTAL (µG/L)	METHYL TRI- THION, TOTAL (µG/L)	MIREX, TOTAL (µG/L)
OCT 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	<0.01
31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	PARA- THION, TOTAL (µG/L)	PER- THANE TOTAL (µG/L)	TOX- APHENE, TOTAL (µG/L)	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 26...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	22	3040	100
NOV 30...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--
DEC 29...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--
JAN 26...	<0.01	<0.01	<0.5	0.01	<0.1	<0.1	<0.1	<0.1	365	372000	57
MAR 01...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	540	612000	62
31...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--
APR 20...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	242	233000	60
MAY 31...	0.02	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--
JUN 30...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	541	540000	79
JUL 31...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--
AUG 17...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	106	32600	95
SEP 27...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--

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

MISSISSIPPI RIVER DELTA

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07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in sec.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.--Records fair. 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, 197,000 ft³/s, Apr. 9; maximum elevation, 5.46 ft, June 28; maximum negative discharge, -36,600 ft³/s, Oct. 25; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18700	16200	77300	37400	119000	116000	79800	105000	97100	116000	53000	29600
2	21900	14000	77000	43500	117000	115000	80000	92300	95700	114000	61300	32200
3	27500	8250	74700	54600	120000	111000	100000	81500	93000	120000	55400	33500
4	21400	7240	73000	66200	120000	120000	116000	75600	89500	132000	50900	31600
5	19400	20000	68000	73300	116000	112000	143000	75400	88000	134000	55300	30600
6	22900	17400	65500	79900	116000	128000	167000	79800	90000	145000	51400	29500
7	20600	8280	64900	81000	116000	139000	172000	73500	87700	144000	50300	31600
8	20900	11400	63000	83600	115000	141000	166000	70800	88200	143000	45100	33000
9	17300	7110	62100	87500	113000	144000	174000	69100	90100	144000	30200	33600
10	21700	9800	61100	84800	110000	143000	166000	72800	87800	141000	44000	32100
11	12500	10100	61900	84200	111000	144000	167000	74500	87800	140000	46100	33900
12	20800	6300	62100	82800	107000	144000	168000	75000	88700	137000	42400	35100
13	10200	18300	58300	87800	104000	143000	168000	78700	86800	120000	38700	34000
14	12400	13300	56800	85000	88700	145000	168000	77300	83000	122000	34800	34200
15	14100	10200	52200	87800	91700	145000	173000	78300	93000	117000	33300	34100
16	14600	23900	42200	91000	95700	147000	138000	77800	92400	115000	32300	35300
17	16400	19700	31400	91300	99500	144000	127000	78300	90400	109000	33100	34200
18	13600	21000	27900	97100	95500	144000	127000	79100	89700	108000	34000	33700
19	13000	24200	25500	98800	93700	145000	126000	86200	89500	108000	31900	32200
20	10800	40700	20900	105000	90900	142000	129000	91900	91900	103000	30000	34500
21	13900	30200	20700	103000	107000	146000	126000	96100	89200	99400	29000	38100
22	6600	33700	32200	106000	116000	137000	125000	97700	95400	94900	27200	44600
23	6380	35700	32100	108000	121000	128000	124000	98600	99600	93900	29700	39000
24	16000	43500	31200	114000	122000	103000	125000	87300	102000	91800	30900	16000
25	6410	50400	32100	119000	121000	101000	125000	98400	103000	86200	31100	38900
26	16400	52500	30900	123000	122000	101000	123000	100000	103000	81700	29600	46600
27	8730	66400	27200	124000	116000	92400	117000	104000	104000	80000	29400	44100
28	16600	70200	33500	122000	121000	85600	114000	105000	107000	75100	28700	44200
29	16200	74900	25900	118000	---	83000	111000	101000	116000	70900	29200	27800
30	15900	79900	27600	124000	---	84900	109000	99700	119000	67500	28900	19900
31	17700	---	30200	123000	---	85300	---	98700	---	63300	29900	---
TOTAL	491520	844780	1449400	2886600	3085700	3859200	4053800	2679400	2838500	3416700	1177100	1017700
MEAN	15860	28160	46750	93120	110200	124500	135100	86430	94620	110200	37970	33920
MAX	27500	79900	77300	124000	122000	147000	174000	105000	119000	145000	61300	46600
MIN	6380	6300	20700	37400	88700	83000	79800	69100	83000	63300	27200	16000
AC-FT	974900	1676000	2875000	5726000	6120000	7655000	8041000	5315000	5630000	6777000	2335000	2019000
CAL YR 1988	TOTAL 20357710			MEAN 55620	MAX 152000	MIN 3440	AC-FT 40380000					
WTR YR 1989	TOTAL 27800400			MEAN 76170	MAX 174000	MIN 6300	AC-FT 55140000					

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.91	1.03	1.58	1.54	3.44	4.14	4.03	3.25	3.67	4.48	4.05	1.96
2	1.63	1.60	1.71	1.67	3.33	4.33	4.25	3.01	3.71	4.54	3.11	1.81
3	1.06	2.02	1.79	1.82	3.14	4.51	4.17	3.15	3.71	4.49	2.62	1.64
4	.58	2.09	1.66	1.95	2.74	4.67	4.27	3.59	3.70	4.47	2.44	1.91
5	1.15	1.40	1.73	2.42	2.88	4.58	3.89	3.44	3.79	4.42	2.16	2.10
6	1.07	.89	2.07	2.60	2.71	4.20	3.88	2.71	3.51	4.30	1.95	2.33
7	1.30	1.17	2.10	2.61	2.39	4.17	3.93	2.50	3.51	4.26	1.83	2.27
8	1.25	1.43	2.20	2.60	2.44	4.26	4.16	2.75	3.98	4.20	1.75	2.22
9	1.64	1.39	1.96	2.18	2.19	4.26	4.11	2.97	3.26	4.21	1.81	2.20
10	1.27	1.65	2.10	2.57	2.46	4.37	3.75	2.34	3.24	4.39	1.97	2.11
11	1.33	1.23	2.14	2.58	2.60	4.44	3.78	2.42	3.44	4.36	1.85	2.10
12	1.03	1.85	1.81	2.56	2.71	4.49	4.01	2.52	3.43	4.23	1.97	2.22
13	.84	1.49	1.82	2.19	2.96	4.56	4.08	2.84	3.48	4.14	2.04	2.36
14	1.39	1.46	1.81	2.51	2.87	4.70	4.13	2.97	4.02	4.31	2.11	2.32
15	1.54	2.03	1.49	2.33	2.81	4.75	4.12	2.74	3.53	4.18	2.07	1.87
16	1.71	1.60	.78	2.27	2.69	4.70	4.10	2.80	2.94	4.09	2.04	1.72
17	1.62	.83	1.00	2.53	2.53	4.70	4.15	3.19	3.15	3.91	2.04	1.84
18	1.56	1.93	1.31	2.64	2.55	4.64	4.13	3.48	3.29	3.85	1.85	1.94
19	1.52	2.39	1.47	2.91	2.67	4.54	4.12	3.65	3.34	3.84	1.73	2.15
20	1.66	1.31	1.79	2.78	3.20	4.60	3.96	3.39	3.21	3.77	1.79	2.11
21	1.75	.99	1.63	2.75	3.14	4.58	3.98	3.35	3.41	3.44	1.87	2.24
22	1.57	1.18	1.63	3.15	2.74	4.48	4.09	3.43	3.60	3.45	2.16	2.03
23	2.20	1.13	1.77	3.20	2.78	4.43	4.19	3.44	3.70	3.43	2.23	1.83
24	1.64	1.64	1.70	3.31	3.10	4.43	4.18	3.45	3.78	3.21	1.98	1.39
25	1.82	1.88	1.32	3.28	3.36	4.45	4.16	3.68	3.79	3.11	1.88	1.96
26	1.73	2.46	1.54	3.35	3.56	4.47	4.02	3.69	3.94	3.18	1.90	2.06
27	1.79	1.87	1.86	3.31	3.91	4.45	3.97	3.41	4.38	3.04	1.94	2.11
28	1.70	1.32	1.28	3.47	4.02	4.47	3.94	3.17	4.93	2.87	1.86	1.99
29	1.35	1.92	1.10	3.47	---	4.58	3.72	3.26	4.57	2.94	1.85	1.82
30	1.34	1.68	1.68	3.46	---	4.37	3.51	3.43	4.47	2.92	1.96	1.93
31	1.10	---	1.69	3.45	---	4.02	---	3.53	---	2.96	1.99	---
MAX	2.20	2.46	2.20	3.47	4.02	4.75	4.27	3.69	4.93	4.54	4.05	2.36
MIN	.58	.83	.78	1.54	2.19	4.02	3.51	2.34	2.94	2.87	1.73	1.39

MISSISSIPPI RIVER DELTA

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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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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											
18...	1415	28000	470	7.73	24.0	5	3.3	<1	8.5	1.6	<10
NOV											
15...	1330	29400	537	7.84	21.0	15	7.2	<1	8.9	1.2	42
DEC											
13...	1330	65400	287	7.30	10.5	90	65	<1	9.8	1.0	25
JAN											
18...	1300	85900	212	7.69	11.0	80	85	<1	9.1	2.2	16
FEB											
14...	1245	78400	219	7.57	10.0	80	65	<1	10.8	1.5	22
MAR											
21...	1230	142000	222	7.31	14.0	50	50	<1	9.7	1.0	18
APR											
18...	1100	122000	246	7.52	17.5	50	50	<1	7.7	0.8	25
MAY											
02...	1200	87000	255	7.33	23.0	50	40	<1	6.4	1.5	21
31...	1200	100000	225	7.29	28.0	70	65	<1	5.2	1.0	30
JUN											
20...	1345	91100	266	7.11	27.0	60	90	<1	5.6	--	43
JUL											
18...	1430	111000	289	6.95	29.0	50	60	<1	4.5	1.1	28
AUG											
22...	1330	33200	314	7.47	30.0	40	12	<1	6.5	1.4	18
SEP											
12...	1330	36900	425	7.28	31.0	20	12	<1	7.2	1.2	22

< 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 1988 TO SEPTEMBER 1989

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, UM-MF (COLS./ 100 ML)	HARD-NESS TOTAL (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 WAT WH TOT FET FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)
OCT 18...	170	K8	150	38	14	35	4.1	119	62	32	15
NOV 15...	280	K28	170	41	16	40	4.2	123	70	42	14
DEC 13...	460	K40	96	26	7.5	18	3.3	68	35	23	100
JAN 18...	K540	160	78	21	6.1	12	2.8	56	23	13	201
FEB 14...	520	K60	70	19	5.4	12	2.2	54	24	14	104
MAR 21...	K300	K36	78	22	5.6	12	2.3	54	28	13	141
APR 18...	250	K16	89	24	7.0	11	2.4	63	26	16	85
MAY 02...	230	K2	96	26	7.6	14	2.6	75	27	18	108
31...	K140	K12	74	21	5.3	12	2.6	58	22	13	100
JUN 20...	K260	K24	98	28	6.7	15	3.0	70	28	19	222
JUL 18...	K100	K22	84	23	6.4	22	2.7	56	32	32	196
AUG 22...	100	K20	99	27	7.7	21	2.7	82	25	27	30
SEP 12...	K35	K12	150	39	12	30	3.4	103	58	36	30

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-PHOUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS-SOLVED (µG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (µG/L AS BE)	BERYL-LIUM, DIS-SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (µG/L AS CD)	CADMIUM DIS-SOLVED (µG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (µG/L AS CR)
OCT 18...	0.01	0.55	0.35	0.13	2	1	<10	<10	<1	<1	<10
NOV 15...	0.01	0.51	0.21	0.10	1	2	<10	<10	<1	<1	<10
DEC 13...	0.03	0.55	0.55	0.18	2	1	<10	<10	<1	<1	<10
JAN 18...	0.04	0.52	0.68	0.40	5	<1	<10	<10	3	<1	<10
FEB 14...	0.02	0.53	0.73	0.24	2	<1	<10	<10	3	<1	10
MAR 21...	0.02	0.62	0.43	0.25	3	<1	<10	<10	1	<1	10
APR 18...	0.03	0.76	0.60	0.26	2	<1	<10	<10	<1	<1	<10
MAY 02...	0.02	0.68	0.48	0.22	2	<1	<10	<10	1	<1	<10
31...	0.02	0.43	--	0.20	4	1	<10	<10	<1	<1	10
JUN 20...	0.05	0.78	0.70	0.34	4	1	<10	<10	2	<1	<10
JUL 18...	0.02	0.31	0.81	0.29	4	1	<10	<10	<1	<1	<10
AUG 22...	<0.01	0.33	0.37	0.10	2	1	<10	<10	<1	<1	<10
SEP 12...	0.01	0.56	0.24	0.12	2	1	<10	<10	<1	<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 colony count).

MISSISSIPPI RIVER DELTA

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07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	CHROMIUM, HEXA- VALENT, DIS. (µG/L AS CR)	COPPER, TOTAL RECOVERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOVERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOVERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOVERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELENIUM, TOTAL (µG/L AS SE)
OCT 18...	1	5	4	20	9	<5	<0.1	<0.1	<1	<1	<1
NOV 15...	2	4	4	20	<5	<5	0.1	<0.1	<1	<1	<1
DEC 13...	<1	8	5	60	10	<5	<0.1	<0.1	4	<1	<1
JAN 18...	<1	20	5	80	20	<5	<0.1	<0.1	20	2	<1
FEB 14...	<1	10	8	140	9	<5	<0.1	<0.1	10	2	<1
MAR 21...	<1	20	5	60	10	<5	<0.1	<0.1	9	1	<1
APR 18...	<1	8	2	100	5	<5	<0.1	0.1	7	1	<1
MAY 02...	<1	10	7	100	8	<5	<0.1	<0.1	8	2	<1
31...	<1	10	5	120	<5	<5	<0.1	<0.1	6	2	<1
JUN 20...	<1	10	4	60	10	<5	<0.1	<0.1	9	2	<1
JUL 18...	<1	10	8	100	8	1	1.7	<0.1	7	2	<1
AUG 22...	<1	8	8	60	2	<1	<0.1	<0.1	4	4	<1
SEP 12...	1	4	3	50	3	<1	<0.1	<0.1	3	2	<1

DATE	SELENIUM, DIS- SOLVED (µG/L AS SE)	VANADIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOVERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVIMETRIC (MG/L)	PCB, TOTAL (µG/L)	NAPHTHA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)
OCT 18...	<1	2	10	<10	4.0	<0.01	<1	2	<0.1	<0.1	<0.01
NOV 15...	<1	<1	20	<10	3.8	<0.01	2	1	<0.1	<0.1	<0.01
DEC 13...	<1	1	20	<10	7.0	<0.01	<1	<1	<0.1	<0.1	<0.01
JAN 18...	<1	<1	60	<10	9.9	<0.01	3	2	<0.1	<0.1	<0.01
FEB 14...	<1	2	50	10	8.4	<0.01	4	2	<0.1	<0.1	<0.01
MAR 21...	<1	1	40	<10	7.6	<0.01	8	<1	<0.1	<0.1	<0.01
APR 18...	<1	<1	20	<10	8.4	<0.01	<1	2	<0.1	<0.1	<0.01
MAY 02...	<1	2	20	<10	8.4	<0.01	4	1	<0.1	<0.1	<0.01
31...	<1	3	20	<10	9.6	<0.01	4	3	<0.1	<0.1	<0.01
JUN 20...	<1	2	40	<10	8.7	<0.01	4	4	<0.1	<0.1	<0.01
JUL 18...	<1	2	40	20	9.9	<0.01	2	1	<0.1	<0.1	<0.01
AUG 22...	<1	1	10	<10	7.1	<0.01	8	5	<0.1	<0.1	<0.01
SEP 12...	<1	2	30	10	4.1	<0.01	<1	<1	<0.1	<0.1	<0.01

< 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 1988 TO SEPTEMBER 1989

DATE	CHLOR-DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI-AZINON, TOTAL (µG/L)	DI-ELDRIN, TOTAL (µG/L)	ENDO-SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA-CHLOR, TOTAL (µG/L)
OCT 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 02...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 22...	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 12...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	HEPTA-CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA-THION, TOTAL (µG/L)	METH-OXY-CHLOR, TOTAL (µG/L)	METHYL PARA-THION, TOTAL (µG/L)	METHYL TRI-THION, TOTAL (µG/L)	MIREX, TOTAL (µG/L)	PARA-THION, TOTAL (µG/L)	PER-THANE TOTAL (µG/L)	TOX-APHENE, TOTAL (µG/L)
OCT 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
NOV 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
DEC 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
JAN 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
FEB 14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
MAR 21...	<0.01	<0.01	<0.01	0.23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
APR 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
MAY 02...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
JUN 20...	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
JUL 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
AUG 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
SEP 12...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5

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

MISSISSIPPI RIVER DELTA

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07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (µG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (µG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	<0.01	<0.1	<0.1	<0.1	<0.1	1.9	0.1	--	--	--
NOV 15...	<0.01	<0.1	<0.1	<0.1	<0.1	3.5	0.1	--	--	--
DEC 13...	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	206	36400	99
JAN 18...	0.01	<0.1	<0.1	<0.1	<0.1	1.9	<0.1	382	88600	96
FEB 14...	<0.01	<0.1	<0.1	<0.1	<0.1	2.5	0.1	192	40600	97
MAR 21...	<0.01	<0.1	<0.1	<0.1	<0.1	12	1.5	245	93900	71
APR 18...	<0.01	<0.1	<0.1	<0.1	<0.1	2.3	0.1	213	70200	81
MAY 02...	<0.01	<0.1	<0.1	<0.1	<0.1	6.3	0.3	176	41300	95
31...	<0.01	<0.1	<0.1	<0.1	<0.1	4.9	0.3	288	77800	95
JUN 20...	<0.01	<0.1	<0.1	<0.1	<0.1	3.8	0.3	346	85100	95
JUL 18...	<0.01	<0.1	<0.1	<0.1	<0.1	2.5	0.2	242	72500	91
AUG 22...	<0.01	<0.1	<0.1	<0.1	<0.1	6.2	0.2	79	7080	95
SEP 12...	<0.01	<0.1	<0.1	<0.1	<0.1	9.4	0.2	38	3790	99

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

MISSISSIPPI RIVER DELTA

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 secs.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 (elevations 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 ft, Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans District.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.00 ft, June 28, but may have been higher during period of no gage-height record; minimum, 0.27 ft, Oct. 13.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
Oct. 19, 1988.....	52,600	Feb. 15.....	191,000	June 21.....	185,000
Nov. 16.....	57,200	Apr. 19.....	258,000	July 19.....	224,000
Dec. 14.....	132,000	May 3.....	197,000	Aug. 23.....	68,800
Jan. 19, 1989.....	202,000	June 1.....	206,000	Sept. 13.....	88,500

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.04	1.17	2.36	1.92	4.60	---	5.23	4.78	4.85	5.64	4.44	2.21
2	1.83	1.64	2.41	2.08	4.47	---	5.33	4.57	4.91	5.70	4.07	2.12
3	1.46	2.01	2.51	2.33	4.37	---	5.30	4.50	4.93	5.68	3.73	2.01
4	.91	2.10	2.50	2.48	4.13	---	5.37	4.60	4.89	5.76	3.51	2.12
5	1.25	1.66	2.52	2.84	4.14	---	5.20	4.53	4.92	5.72	3.31	2.26
6	1.20	1.14	2.71	3.11	4.03	---	5.15	4.12	4.85	5.67	3.10	2.49
7	1.35	1.24	2.77	3.16	3.85	---	5.17	3.88	4.79	5.64	2.96	2.50
8	1.34	1.47	2.84	3.26	3.76	---	5.28	3.87	5.04	5.59	2.81	2.50
9	1.64	1.44	2.73	3.12	3.55	---	5.27	3.96	4.73	5.57	2.73	2.52
10	1.42	1.69	2.72	3.27	3.60	---	5.09	3.72	4.65	5.65	2.72	2.46
11	1.40	1.35	2.80	3.34	3.67	---	5.07	3.64	4.68	5.64	2.60	2.48
12	1.21	1.84	2.64	3.35	3.69	---	5.18	3.69	4.66	5.56	2.58	2.52
13	.96	1.65	2.52	3.24	3.83	---	5.21	3.86	4.66	5.53	2.56	2.60
14	1.41	1.56	2.47	3.35	3.81	---	5.27	3.96	4.89	5.68	2.58	2.66
15	1.54	1.97	2.24	3.32	3.77	---	5.31	3.89	4.82	5.59	2.52	2.43
16	1.76	1.89	1.76	3.29	3.74	---	5.29	3.87	4.56	5.53	2.46	2.25
17	1.72	1.01	1.74	3.41	3.68	---	5.32	4.02	4.54	5.39	2.42	2.26
18	1.66	1.87	1.79	3.54	3.69	---	5.28	4.21	4.58	5.32	2.28	2.31
19	1.62	2.39	1.84	3.75	3.73	---	5.29	4.48	4.61	5.27	2.13	2.45
20	1.66	1.88	2.06	3.84	4.00	---	5.23	4.45	4.56	5.24	2.10	2.48
21	1.85	1.36	1.96	3.87	4.12	---	5.23	4.48	4.65	5.03	2.13	2.64
22	1.57	1.50	1.93	4.14	4.06	---	5.28	4.58	4.76	4.94	2.32	2.62
23	2.16	1.44	2.05	4.22	---	---	5.32	4.64	4.84	4.88	2.47	2.51
24	1.78	1.82	2.01	4.34	---	5.61	5.31	4.66	4.93	4.75	2.30	2.26
25	1.83	2.08	1.74	4.39	---	5.59	5.29	4.80	4.96	4.61	2.22	2.49
26	1.78	2.58	1.82	4.48	---	5.59	5.21	4.85	5.05	4.52	2.18	2.61
27	1.89	2.35	1.99	4.52	---	5.56	5.16	4.76	5.26	4.37	2.20	2.62
28	1.81	2.11	1.78	4.61	---	5.53	5.14	4.68	5.67	4.20	2.13	2.58
29	1.54	2.37	1.43	4.65	---	5.60	5.01	4.70	5.62	4.10	2.10	2.58
30	1.46	2.40	1.83	4.66	---	5.49	4.88	4.75	5.61	4.02	2.17	2.60
31	1.29	---	1.93	4.64	---	5.30	---	4.79	---	3.96	2.22	---
MAX	2.16	2.58	2.84	4.66	---	---	5.37	4.85	5.67	5.76	4.44	2.66
MIN	.91	1.01	1.43	1.92	---	---	4.88	3.64	4.54	3.96	2.10	2.01

MISSISSIPPI RIVER DELTA

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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.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

A specific conductance of 644 microsiemens was observed June 17, 1987. A water temperature of 32.0 °C was observed Aug. 6, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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												
19...	0930	52600	462	7.54	23.0	10	12	<1	7.8	--	10	K100
NOV												
16...	0845	57200	557	7.66	20.0	15	14	<1	8.4	0.8	34	K90
DEC												
14...	1000	132000	281	7.08	9.0	100	65	<1	10.2	1.4	24	1600
JAN												
19...	1015	202000	226	7.70	11.0	60	85	<1	8.9	1.7	17	1400
FEB												
15...	1130	191000	219	7.53	11.5	60	96	<1	10.5	1.8	21	860
APR												
19...	0930	258000	253	7.67	17.5	50	50	<1	7.9	1.6	33	540
MAY												
03...	0945	197000	258	7.34	22.5	50	45	<1	6.3	1.1	16	330
JUN												
01...	0930	206000	246	7.26	28.0	60	60	<1	4.7	0.6	33	K170
21...	1000	185000	284	7.64	27.0	50	90	<1	5.4	1.0	45	230
JUL												
19...	0945	224000	292	7.06	29.0	60	60	<1	3.7	1.1	25	K120
AUG												
23...	0830	68800	309	7.52	29.5	40	16	<1	6.4	1.2	20	K150
SEP												
13...	0845	88500	438	7.58	29.5	20	21	<1	7.1	0.9	16	K80

< 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

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (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, WAT WH TOT FET 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 SI02)
OCT 19...	K20	K16	150	37	14	33	3.6	119	64	30	0.2	4.6
NOV 16...	K16	46	170	38	19	43	4.3	129	73	45	--	4.3
DEC 14...	50	250	86	23	6.9	16	2.6	66	33	18	0.2	5.4
JAN 19...	220	K610	73	21	5.1	12	2.8	57	24	14	--	5.6
FEB 15...	100	180	74	20	5.7	13	2.3	55	26	14	0.1	6.4
APR 19...	--	K80	92	25	7.2	11	2.3	64	26	16	--	5.4
MAY 03...	K30	54	96	26	7.5	14	2.5	71	28	18	0.1	5.1
JUN 01...	K14	52	78	22	5.6	15	2.6	64	20	19	--	--
21...	K2	42	95	27	6.7	18	2.8	70	31	23	0.1	5.7
JUL 19...	K10	K20	84	23	6.4	22	2.6	56	31	33	--	--
AUG 23...	K2	K30	100	29	7.7	23	2.9	87	35	23	0.1	5.6
SEP 13...	K2	42	150	40	12	30	3.4	111	50	36	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	RESIDUE TOTAL 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)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 19...	267	259	9	<0.01	<0.01	0.6	0.54	<0.01	<0.01	0.4	0.4	0.07
NOV 16...	--	--	15	0.01	--	0.55	--	--	--	--	0.23	0.11
DEC 14...	159	141	145	0.03	0.02	0.5	0.51	0.06	0.05	0.6	0.5	0.08
JAN 19...	--	--	229	0.04	--	0.54	--	--	--	--	0.48	0.44
FEB 15...	130	122	158	0.03	0.02	0.5	0.56	0.08	0.02	1.2	0.7	0.22
APR 19...	--	--	91	0.03	--	0.79	--	--	--	--	0.52	0.05
MAY 03...	151	145	88	0.03	0.01	0.6	0.61	0.07	0.04	0.7	0.3	0.08
JUN 01...	--	--	162	0.02	--	0.40	--	--	--	--	0.51	0.25
21...	172	153	--	0.02	<0.01	0.7	0.73	0.04	0.02	0.7	0.5	0.08
JUL 19...	--	--	172	0.02	--	0.30	--	--	--	--	0.77	0.27
AUG 23...	198	173	25	0.01	<0.01	0.3	0.36	0.02	0.02	0.4	0.5	0.09
SEP 13...	--	--	59	0.01	--	0.54	--	--	--	--	0.21	0.14

< 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 1988 TO SEPTEMBER 1989

DATE	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)
OCT 19...	0.07	0.07	<10	2	2	70	<10	<0.5	<1	1	<1	<1
NOV 16...	--	--	--	2	1	--	<10	<10	<1	<1	--	<10
DEC 14...	0.04	0.03	--	2	1	--	<10	<0.5	1	<1	--	5
JAN 19...	--	--	--	4	<1	--	<10	<10	1	<1	--	<10
FEB 15...	0.04	0.02	50	2	1	46	<10	<0.5	1	<1	<1	8
APR 19...	--	--	--	3	<1	--	<10	<10	<1	<1	--	<10
MAY 03...	0.04	0.04	20	2	1	57	<10	<0.5	1	<1	<1	4
JUN 01...	--	--	--	3	1	--	<10	<10	1	<1	--	<10
JUN 21...	0.04	0.04	--	2	1	--	<10	<0.5	2	<1	--	9
JUL 19...	--	--	--	5	1	--	<10	<10	1	<1	--	<10
AUG 23...	0.05	0.04	10	1	3	67	<10	<0.5	<1	<1	<1	<1
SEP 13...	--	--	--	2	1	--	<10	<10	<1	<1	--	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)
OCT 19...	<1	<3	6	3	7	5	<5	17	<1	<0.1	<0.1	<10
NOV 16...	<1	--	6	4	20	6	<5	--	--	<0.1	0.1	--
DEC 14...	<1	--	23	7	57	6	<5	--	--	<0.1	<0.1	--
JAN 19...	<1	--	10	4	100	10	<5	--	--	<0.1	0.1	--
FEB 15...	<1	<3	10	4	160	<5	<5	10	11	<0.1	<0.1	<10
APR 19...	<1	--	30	3	80	<5	<5	--	--	0.1	<0.1	--
MAY 03...	<1	<3	14	4	110	8	1	8	44	<0.1	0.1	<10
JUN 01...	<1	--	10	4	150	<5	<5	--	--	<0.1	<0.1	--
JUN 21...	<1	--	9	5	70	10	<1	--	--	<0.1	<0.1	--
JUL 19...	<1	--	10	7	110	7	1	--	--	<0.1	<0.1	--
AUG 23...	<1	<3	11	6	110	3	1	8	3	<0.1	<0.1	<10
SEP 13...	<1	--	4	2	<10	3	<1	--	--	<0.1	<0.1	--

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

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 19...	2	<1	<1	<1	<1	220	<6	<10	4	4.4	<0.01
NOV 16...	3	<1	<1	<1	--	--	<1	10	<10	--	<0.01
DEC 14...	9	1	<1	<1	--	--	<1	20	4	7.8	<0.01
JAN 19...	10	3	<1	<1	--	--	<1	50	<10	11	<0.01
FEB 15...	9	1	<1	<1	<1	120	<6	40	11	8.1	<0.01
APR 19...	8	3	<1	<1	--	--	<1	20	<10	8.2	<0.01
MAY 03...	9	2	<1	<1	<1	130	<6	30	11	7.5	<0.01
JUN 01...	8	2	<1	<1	--	--	2	20	<10	10	<0.01
JUN 21...	11	3	<1	<1	--	--	<1	30	<3	9.0	<0.01
JUL 19...	6	3	<1	<1	--	--	1	20	20	11	<0.01
AUG 23...	3	1	<1	<1	<1	200	<6	10	3	7.0	<0.01
SEP 13...	5	2	<1	<1	--	--	2	70	<10	5.2	<0.01

DATE	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (µG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)	CHLOR- DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI- AZINON, TOTAL (µG/L)	DI- ELDRIN TOTAL (µG/L)
OCT 19...	1	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 16...	1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 14...	<1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 19...	7	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 15...	5	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 19...	6	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 03...	1	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 01...	4	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 21...	4	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 19...	5	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 23...	13	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
SEP 13...	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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

MISSISSIPPI RIVER DELTA

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07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ENDO-SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA-CHLOR, TOTAL (µG/L)	HEPTA-CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA-THION, TOTAL (µG/L)	METH-OXY-CHLOR, TOTAL (µG/L)	METHYL PARA-THION, TOTAL (µG/L)	METHYL TRI-THION, TOTAL (µG/L)	MIREX, TOTAL (µG/L)
OCT 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 14...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 03...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 01...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DATE	PARA-THION, TOTAL (µG/L)	PER-THANE TOTAL (µG/L)	TOX-APHENE, TOTAL (µG/L)	TOTAL TRI-THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	<0.01	<0.01	<0.5	<0.01	0.10	<0.1	<0.1	<0.1	--	--	--
NOV 16...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	--	--	--
DEC 14...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	160	57000	90
JAN 19...	<0.01	<0.01	<0.5	0.01	<0.1	<0.1	<0.1	<0.1	513	280000	72
FEB 15...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	279	144000	73
APR 19...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	340	237000	57
MAY 03...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	199	106000	86
JUN 01...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	305	170000	86
21...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	386	193000	88
JUL 19...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	312	189000	86
AUG 23...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	59	11000	99
SEP 13...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	53	12700	90

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

MISSISSIPPI RIVER DELTA

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 1986 to current year (gage heights only). 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 0.78 ft below National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1986 datum of gage was National Geodetic Vertical Datum of 1929.

REMARKS.--Gage heights affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.27 ft, Oct. 28, 1985; minimum gage height, -0.12 ft, Oct. 21, 1987.

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 gage height, 5.17 ft, Aug. 1, but may have been higher during period of no gage-height record, Jan. 29 to Aug. 1; minimum gage height, 0.73 ft, Nov. 21, but may have been lower during period of no gage-height record, Oct. 10 to Nov. 16.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.33	---	1.84	1.91	3.17	3.42	3.61	3.29	3.46	---	---	2.41
2	2.09	---	1.84	1.99	3.12	3.58	3.75	3.16	3.50	---	3.55	2.31
3	1.70	---	1.89	2.08	3.00	3.74	3.66	3.29	3.56	---	3.20	2.15
4	1.20	---	1.82	2.16	2.81	3.86	3.77	3.60	3.61	---	3.02	2.30
5	1.59	---	1.89	2.50	2.91	3.68	3.45	3.53	3.71	---	2.80	2.45
6	1.50	---	2.14	2.60	2.79	3.39	3.45	3.06	3.52	---	2.64	2.67
7	1.69	---	2.21	2.62	2.59	3.40	3.47	2.90	3.55	---	2.53	2.64
8	1.68	---	2.34	2.62	2.58	3.47	3.68	3.02	3.93	---	2.42	2.62
9	2.00	---	2.20	2.36	2.37	3.45	3.60	3.15	3.34	---	2.42	2.62
10	---	---	2.32	2.59	2.52	3.52	3.32	2.77	3.37	---	2.51	2.57
11	---	---	2.35	2.63	2.58	3.57	3.37	2.75	3.46	---	2.41	2.55
12	---	---	2.16	2.63	2.71	3.61	3.49	2.77	3.43	---	2.45	2.61
13	---	---	2.16	2.40	2.92	3.69	3.52	2.98	3.47	---	2.50	2.73
14	---	---	2.11	2.60	2.81	3.87	3.55	3.08	3.95	---	2.56	2.75
15	---	---	1.93	2.46	2.78	3.87	3.52	2.92	3.48	---	2.53	2.46
16	---	---	1.43	2.36	2.67	3.84	3.54	2.93	3.13	---	2.50	2.31
17	---	1.36	1.52	2.53	2.59	3.86	3.56	3.18	3.23	---	2.48	2.36
18	---	2.26	1.67	2.55	2.58	3.80	3.55	3.37	3.29	---	2.33	2.40
19	---	2.71	1.80	2.76	2.63	3.72	3.52	3.50	3.36	---	2.23	2.54
20	---	1.90	2.10	2.64	3.01	3.83	3.42	3.28	3.24	---	2.27	2.51
21	---	1.57	2.02	2.66	2.91	3.74	3.45	3.26	3.37	---	2.32	2.63
22	---	1.68	2.02	2.91	2.54	3.74	3.54	3.32	3.50	---	2.58	2.49
23	---	1.63	2.12	2.94	2.50	3.74	3.62	3.29	3.55	---	2.68	2.29
24	---	1.99	2.09	2.98	2.66	3.70	3.60	3.29	3.61	---	2.49	2.02
25	---	2.19	1.81	2.98	2.79	3.76	3.61	3.49	3.58	---	2.39	2.38
26	---	2.72	1.94	3.03	2.96	3.81	3.51	3.45	3.70	---	2.39	2.50
27	---	2.23	2.23	3.01	3.29	3.80	3.55	3.24	4.00	---	2.43	2.53
28	---	1.86	1.83	3.15	3.29	3.89	3.58	3.10	---	---	2.34	2.43
29	---	2.14	1.59	3.11	---	4.02	3.42	3.18	---	---	2.32	2.37
30	---	1.94	2.02	3.15	---	3.77	3.38	3.29	---	---	2.40	2.48
31	---	---	2.06	3.16	---	3.56	---	3.35	---	---	2.44	---
MAX	---	---	2.35	3.16	3.29	4.02	3.77	3.60	---	---	---	2.75
MIN	---	---	1.43	1.91	2.37	3.39	3.32	2.75	---	---	---	2.02

MISSISSIPPI RIVER DELTA

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07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

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.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above mean Gulf level (levels by Corps of Engineers) and 39.57 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). See WSP 1731 for history of changes prior to Mar. 28, 1940. January to September 1985, auxiliary nonrecording gage 6.6 mi downstream from base gage at datum 35.10 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated discharge during the year. Records good. Slight regulation at low flow by Cocodrie Lake. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--54 years (water years 1923-24, 1938-89), 430 ft³/s, 24.34 in/yr, 311,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft³/s, May 18, 1953, gage height, 26.72 ft; reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge, 5.3 ft³/s, Nov. 8, 9, 1982, regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,460 ft³/s, July 4, gage height, 21.50 ft; minimum, 75 ft³/s, Oct. 23, gage height, 5.19 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	83	157	143	859	677	479	1070	157	1390	2960	1000	164		
2	105	152	137	866	603	485	1040	147	1360	3120	973	152		
3	124	146	132	857	539	512	1020	137	1340	3310	945	145		
4	137	143	127	835	483	563	990	154	1310	3440	916	137		
5	137	136	117	812	444	593	961	271	1290	3300	887	130		
6	130	128	117	788	417	575	933	397	1250	3050	859	128		
7	123	121	115	759	390	542	904	440	1220	2970	832	132		
8	117	117	114	713	359	503	876	424	1220	2770	805	129		
9	114	113	111	723	333	461	846	388	1200	2550	774	125		
10	115	109	120	761	309	419	818	351	1170	2320	732	122		
11	108	105	191	791	288	382	789	322	1190	2120	658	119		
12	102	106	219	802	270	346	755	289	1170	1960	572	116		
13	96	128	245	837	254	313	702	260	1140	1830	499	112		
14	92	131	250	882	235	281	632	238	1130	1720	433	110		
15	88	133	246	902	222	259	571	237	1150	1640	378	109		
16	86	131	242	896	208	236	510	523	1150	1570	331	106		
17	84	126	231	879	197	220	454	932	1130	1540	298	102		
18	82	122	219	886	190	207	405	1260	1100	1490	279	99		
19	80	124	208	933	183	192	363	2170	1070	1440	262	97		
20	79	128	203	972	195	230	324	2660	1040	1400	237	94		
21	78	122	201	982	360	449	290	2660	1010	1360	216	92		
22	77	118	195	974	475	795	262	2500	983	1320	201	91		
23	76	115	559	956	655	903	239	2290	953	1280	185	89		
24	79	113	859	933	749	923	220	2100	926	1250	190	87		
25	79	123	902	909	724	911	205	1930	907	1210	204	86		
26	110	128	895	885	668	893	192	1800	882	1180	193	85		
27	146	141	876	857	601	914	181	1690	886	1150	180	85		
28	154	147	866	831	536	945	175	1610	1040	1120	169	84		
29	157	149	854	804	---	981	169	1540	1320	1090	178	85		
30	154	147	850	775	---	1030	164	1480	2310	1060	181	88		
31	159	---	851	737	---	1070	---	1430	---	1030	175	---		
TOTAL	3351	3859	11395	26396	11564	17612	17060	32787	35237	59550	14742	3300		
MEAN	108	129	368	851	413	568	569	1058	1175	1921	476	110		
MAX	159	157	902	982	749	1070	1070	2660	2310	3440	1000	164		
MIN	76	105	111	713	183	192	164	137	882	1030	169	84		
AC-FT	6650	7650	22600	52360	22940	34930	33840	65030	69890	118100	29240	6550		
CFSM	.45	.54	1.53	3.55	1.72	2.37	2.37	4.41	4.89	8.00	1.98	.46		
IN.	.52	.60	1.77	4.09	1.79	2.73	2.64	5.08	5.46	9.23	2.29	.51		
CAL YR 1988	TOTAL 131303		MEAN 359		MAX 1110		MIN 57		AC-FT 260400		CFSM 1.49		IN. 20.35	
WTR YR 1989	TOTAL 236853		MEAN 649		MAX 3440		MIN 76		AC-FT 469800		CFSM 2.70		IN. 36.71	

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.33	6.58	6.35	13.84	12.20	10.24	15.58	6.58	17.85	21.03	15.05	6.68
2	5.71	6.49	6.25	13.90	11.48	10.30	15.39	6.42	17.68	21.19	14.82	6.50
3	6.03	6.41	6.17	13.82	10.84	10.58	15.18	6.25	17.58	21.37	14.57	6.39
4	6.26	6.35	6.08	13.63	10.29	11.08	14.96	6.50	17.41	21.48	14.33	6.26
5	6.26	6.24	5.91	13.43	9.89	11.39	14.72	8.09	17.22	21.36	14.09	6.14
6	6.15	6.10	5.90	13.21	9.62	11.20	14.48	9.42	17.00	21.12	13.84	6.10
7	6.02	5.98	5.87	12.93	9.36	10.88	14.23	9.85	16.81	21.04	13.60	6.17
8	5.90	5.90	5.85	12.52	9.05	10.48	13.99	9.69	16.76	20.82	13.36	6.12
9	5.86	5.83	5.80	12.61	8.78	10.06	13.73	9.34	16.61	20.57	13.07	6.06
10	5.88	5.77	5.95	12.95	8.53	9.65	13.48	8.96	16.43	20.27	12.69	6.01
11	5.77	5.71	7.08	13.24	8.31	9.27	13.21	8.66	16.56	19.99	12.02	5.95
12	5.66	5.74	7.47	13.33	8.10	8.91	12.90	8.32	16.41	19.73	11.17	5.88
13	5.57	6.11	7.80	13.65	7.92	8.57	12.42	7.99	16.20	19.47	10.45	5.82
14	5.50	6.16	7.87	14.05	7.68	8.23	11.78	7.71	16.10	19.21	9.78	5.79
15	5.44	6.19	7.82	14.21	7.51	7.98	11.16	7.68	16.22	18.96	9.23	5.77
16	5.40	6.16	7.77	14.16	7.32	7.69	10.55	10.66	16.23	18.74	8.76	5.73
17	5.36	6.07	7.63	14.01	7.17	7.49	10.00	14.46	16.06	18.60	8.41	5.67
18	5.33	6.01	7.47	14.08	7.06	7.31	9.50	16.92	15.84	18.39	8.20	5.62
19	5.29	6.03	7.33	14.48	6.97	7.10	9.08	20.02	15.63	18.16	8.01	5.58
20	5.26	6.11	7.25	14.81	7.12	7.55	8.69	20.70	15.38	17.92	7.70	5.54
21	5.25	6.00	7.23	14.89	9.06	9.94	8.32	20.70	15.14	17.68	7.43	5.50
22	5.22	5.93	7.15	14.82	10.20	13.27	8.00	20.50	14.90	17.43	7.23	5.48
23	5.20	5.87	11.03	14.67	11.97	14.23	7.73	20.24	14.65	17.20	7.00	5.45
24	5.27	5.84	13.84	14.48	12.85	14.39	7.49	19.96	14.42	16.98	7.06	5.42
25	5.25	6.01	14.22	14.28	12.62	14.29	7.29	19.67	14.26	16.73	7.27	5.40
26	5.79	6.09	14.15	14.06	12.11	14.14	7.11	19.40	14.04	16.49	7.11	5.39
27	6.40	6.33	13.99	13.83	11.47	14.31	6.94	19.13	14.08	16.25	6.92	5.37
28	6.53	6.42	13.90	13.59	10.81	14.58	6.85	18.86	15.37	16.00	6.76	5.36
29	6.58	6.46	13.80	13.35	---	14.88	6.77	18.61	17.36	15.76	6.89	5.39
30	6.53	6.42	13.77	13.09	---	15.31	6.68	18.36	20.21	15.52	6.95	5.43
31	6.60	---	13.78	12.74	---	15.58	---	18.10	---	15.28	6.85	---
MAX	6.60	6.58	14.22	14.89	12.85	15.58	15.58	20.70	20.21	21.48	15.05	6.68
MIN	5.20	5.71	5.80	12.52	6.97	7.10	6.68	6.25	14.04	15.28	6.76	5.36

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW 1/4 NW 1/4 sec.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. 1-2, 8-9, 14, 26-27, Nov. 2-4, 10-18, Dec. 5-8, and Jan. 9, indefinite stage-discharge relationship). Records fair, except those for 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.--43 years, 1,106 ft³/s, 801,300 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, 5,230 ft³/s, July 13, elevation, 27.51 ft; maximum elevation, 28.96 ft, July 15; minimum daily discharge, 105 ft³/s, Oct. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e120	196	396	3160	1100	1650	3520	201	4590	3690	1270	215
2	e200	e210	242	3180	1010	1780	3540	212	4380	4030	1260	187
3	360	e220	252	3180	932	2430	3420	196	4240	4220	1210	195
4	334	e260	277	3080	758	2410	3080	248	4090	4400	1130	188
5	216	288	e290	2800	676	2120	2550	1540	3940	4490	1060	183
6	203	306	e300	2090	648	1800	1930	1530	3840	4670	937	172
7	196	259	e340	1660	653	1430	1580	1110	3710	4830	859	165
8	e170	154	e360	1430	680	1180	1420	840	3710	4960	869	155
9	e160	136	412	e2100	645	992	1350	633	3630	5050	875	155
10	145	e130	e450	2890	594	883	1230	508	3460	5110	845	159
11	142	e120	e1100	3260	545	815	1090	495	3530	5170	810	158
12	116	e140	1850	3140	501	710	1080	429	3550	5210	706	161
13	127	e180	1570	2970	520	610	1040	404	3350	5220	632	150
14	e123	e190	1190	3390	492	552	940	464	3040	5000	522	160
15	129	e200	840	3600	448	518	884	485	3300	4910	413	163
16	125	e220	672	3770	424	482	686	800	3450	4930	378	176
17	124	e230	619	3640	376	430	559	2480	3480	4990	341	170
18	121	e240	554	3110	328	424	537	3330	3370	5020	315	155
19	119	301	503	3810	330	390	497	3680	3060	5020	345	142
20	116	274	573	3530	324	360	442	3880	2480	4990	328	194
21	115	276	473	3430	792	760	332	4220	1820	4930	290	258
22	115	136	396	3290	1930	1970	292	4530	1390	4790	327	260
23	108	124	2190	3090	2220	2740	306	4770	1220	4610	307	212
24	105	178	3370	2670	2240	2730	281	4950	1170	4390	270	200
25	107	117	3400	2100	2210	2400	278	5080	1120	4170	278	200
26	e150	232	3510	1630	2170	1920	257	5140	1040	3840	279	200
27	e200	250	3510	1470	2080	2150	226	5150	1130	3350	275	196
28	212	272	3370	1310	1930	2670	228	5130	2410	2650	286	198
29	243	415	3200	1200	---	2980	222	5070	3260	1950	438	206
30	241	621	2940	1140	---	3450	215	4970	3400	1560	357	208
31	221	---	2860	1100	---	3460	---	4790	---	1370	291	---
TOTAL	5163	6875	42009	82220	27556	49196	34012	77265	90160	133520	18503	5541
MEAN	167	229	1355	2652	984	1587	1134	2492	3005	4307	597	185
MAX	360	621	3510	3810	2240	3460	3540	5150	4590	5220	1270	260
MIN	105	117	242	1100	324	360	215	196	1040	1370	270	142
AC-FT	10240	13640	83320	163100	54660	97580	67460	153300	178800	264800	36700	10990
CAL YR 1988	TOTAL 340450		MEAN 930		MAX 4340		MIN 94		AC-FT 675300			
WTR YR 1989	TOTAL 572020		MEAN 1567		MAX 5220		MIN 105		AC-FT 1135000			

e Estimated.

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.36	18.08	16.30	24.38	18.41	20.01	25.19	18.34	26.09	27.10	19.37	18.45
2	19.54	18.33	16.39	24.45	18.77	20.47	24.65	18.31	25.52	27.13	19.36	18.35
3	19.63	18.59	16.34	23.91	18.67	22.28	23.96	18.29	24.92	27.37	19.29	18.31
4	18.80	19.28	16.23	22.80	17.61	22.04	23.11	18.43	24.61	27.59	19.13	18.30
5	18.67	18.91	16.13	21.24	17.05	21.11	21.93	20.35	24.38	27.90	18.99	18.29
6	18.41	18.43	16.46	20.08	17.27	20.20	20.54	20.03	24.51	27.94	18.78	18.27
7	18.09	18.03	16.41	19.62	17.70	19.92	19.82	19.86	24.31	27.91	18.64	18.26
8	18.19	17.88	16.38	19.17	18.05	19.58	19.64	19.38	24.32	27.88	18.74	18.24
9	18.24	17.74	15.91	21.90	18.19	19.28	19.46	18.95	24.34	27.82	18.75	18.22
10	18.22	17.80	15.61	23.61	18.16	19.05	19.18	18.59	23.94	27.77	18.69	18.23
11	18.14	17.85	19.30	23.65	18.03	18.88	18.97	18.32	23.86	27.70	18.57	18.28
12	18.18	17.87	21.09	23.63	17.83	18.68	19.16	18.09	24.01	27.64	18.60	18.38
13	18.18	18.10	20.03	24.36	17.65	18.48	19.12	18.23	23.61	27.56	18.59	18.35
14	18.15	18.32	18.60	24.49	17.42	18.33	19.00	18.47	23.55	28.60	18.47	18.30
15	18.11	18.34	17.43	24.23	17.17	18.42	18.90	18.60	24.94	28.93	18.30	18.22
16	18.08	18.36	17.08	23.49	16.99	18.55	18.66	19.10	25.11	28.84	18.19	18.20
17	18.06	18.32	17.45	22.63	16.69	18.54	18.43	21.66	25.06	28.64	18.12	18.23
18	18.04	18.26	17.53	22.61	16.28	18.55	18.42	23.92	24.49	28.27	18.24	18.21
19	18.00	17.64	17.37	23.46	15.94	18.51	18.40	26.39	23.41	27.83	18.33	18.17
20	17.97	17.00	16.98	24.82	15.67	18.46	18.34	27.17	22.05	27.38	18.37	18.18
21	17.95	16.44	15.89	25.23	17.16	19.10	18.23	27.47	20.73	26.84	18.35	18.35
22	17.91	16.54	15.97	25.07	20.65	21.40	18.26	27.58	19.81	26.30	18.40	18.43
23	17.87	16.54	21.08	24.41	21.06	23.00	18.33	27.56	19.46	25.82	18.40	18.39
24	17.88	16.43	24.79	23.35	21.00	22.79	18.36	27.49	19.19	25.46	18.40	18.33
25	17.91	16.52	25.48	21.89	21.00	21.88	18.36	27.34	18.94	24.83	18.39	18.31
26	18.01	16.36	25.35	20.25	20.95	20.64	18.36	27.24	18.77	24.01	18.42	18.31
27	18.64	17.05	24.73	19.26	20.80	20.77	18.34	27.18	19.44	22.92	18.42	18.30
28	18.78	17.62	24.16	19.37	20.51	21.91	18.36	27.10	23.28	21.49	18.41	18.30
29	18.68	17.47	23.59	19.30	---	23.07	18.40	27.00	25.44	20.36	18.64	18.31
30	18.48	16.52	23.01	19.06	---	24.76	18.40	26.80	26.75	19.62	18.70	18.33
31	18.26	---	23.62	18.56	---	25.30	---	26.52	---	19.31	18.62	---
MAX	19.63	19.28	25.48	25.23	21.06	25.30	25.19	27.58	26.75	28.93	19.37	18.45
MIN	17.87	16.36	15.61	18.56	15.67	18.33	18.23	18.09	18.77	19.31	18.12	18.17

MISSISSIPPI RIVER DELTA

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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 Glaises.

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 Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Estimated daily discharges. Records good except for periods of estimated discharge, May 6-30 (no base gage record) and Dec. 31-Jan.1 (no auxiliary gage-height reading), which are fair. Diversion channel carries natural flow of Bayou des Glaises 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 Chatlin 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.--46 years, 600 ft³/s, 315,200 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, 2,180 ft³/s, July 5, gage height, 15.53 ft; maximum gage height, 15.82 ft, July 1; minimum discharge, 21 ft³/s, Nov. 10, 11, gage-height, 2.19 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	285	119	e1350	282	855	1320	198	1460	1910	199	136
2	591	223	92	1270	248	940	1290	197	1390	2080	207	115
3	632	153	80	1230	221	978	1240	185	1410	1960	173	111
4	437	124	75	1170	202	899	1180	172	1350	2050	156	97
5	273	96	74	1100	194	868	1080	378	1460	2150	128	84
6	165	77	69	1020	202	831	994	e510	1510	2070	106	73
7	125	65	68	946	243	784	914	e460	1390	2010	93	72
8	104	62	65	871	279	702	838	e370	1470	1960	111	75
9	91	52	65	1100	268	538	753	e320	1290	1900	159	77
10	84	28	75	1280	244	385	617	e220	1140	1860	180	89
11	82	22	612	1150	213	289	434	e140	1150	1800	134	82
12	83	27	744	1090	185	233	329	e120	1120	1710	93	74
13	81	56	641	1420	171	201	292	e90	1050	1610	76	73
14	79	105	537	1350	165	181	267	e160	1050	1510	71	68
15	76	143	395	1280	161	174	225	e400	1370	1430	69	65
16	74	114	289	1220	156	181	186	e1090	1230	1350	49	74
17	70	78	276	1170	152	197	165	e1520	1120	1280	42	69
18	67	52	241	1260	151	180	158	e1710	1050	1230	56	67
19	65	48	187	1490	151	158	186	e2040	970	1150	91	67
20	62	67	145	1390	158	241	235	e1890	892	1070	114	68
21	62	88	127	1350	859	1130	220	e1750	807	996	108	77
22	61	88	127	1260	962	1310	212	e1700	719	922	83	84
23	61	76	1420	1190	951	1250	213	e1640	575	846	75	84
24	79	52	1420	1110	988	1180	202	e1610	445	767	71	79
25	84	43	1220	1020	1010	1130	187	e1600	367	672	92	75
26	83	52	1190	944	1010	1080	192	e1590	342	527	101	79
27	442	203	1160	871	972	1170	208	e1580	688	402	87	81
28	509	340	1250	793	916	1150	203	e1570	1070	316	87	73
29	478	265	1250	675	---	1390	207	e1560	1430	264	101	65
30	460	173	1210	480	---	1560	198	e1550	1750	227	131	59
31	381	---	e1260	348	---	1390	---	1540	---	201	157	---
TOTAL	6103	3257	16483	34198	11714	23555	14745	29860	33065	40230	3400	2392
MEAN	197	109	532	1103	418	760	491	963	1102	1298	110	79.7
MAX	632	340	1420	1490	1010	1560	1320	2040	1750	2150	207	136
MIN	61	22	65	348	151	158	158	90	342	201	42	59
AC-FT	12110	6460	32690	67830	23230	46720	29250	59230	65580	79800	6740	4740

CAL YR 1988 TOTAL 140051 MEAN 383 MAX 1700 MIN 22 AC-FT 277800
WTR YR 1989 TOTAL 219002 MEAN 600 MAX 2150 MIN 22 AC-FT 434400

e Estimated.

MISSISSIPPI RIVER DELTA

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	4.43	3.11	11.20	4.41	8.38	10.86	3.76	11.50	15.32	4.00	3.49
2	6.69	3.95	2.87	10.58	4.15	8.99	10.67	3.75	11.18	15.22	4.06	3.32
3	7.00	3.39	2.76	10.38	3.94	9.10	10.47	3.65	11.28	14.90	3.80	3.29
4	5.60	3.15	2.71	10.09	3.78	8.64	10.13	3.56	11.00	14.78	3.66	3.16
5	4.34	2.91	2.70	9.71	3.72	8.46	9.64	5.15	12.04	15.21	3.43	3.04
6	3.50	2.74	2.66	9.30	3.79	8.25	9.17	---	12.33	14.33	3.24	2.93
7	3.16	2.62	2.65	8.90	4.11	7.96	8.73	---	11.37	13.64	3.13	2.92
8	2.99	2.59	2.62	8.47	4.39	7.46	8.29	---	12.21	13.41	3.28	2.95
9	2.87	2.49	2.62	11.30	4.31	6.35	7.78	---	10.76	13.22	3.69	2.97
10	2.80	2.26	2.72	12.38	4.12	5.20	6.90	---	9.96	13.06	3.86	3.09
11	2.78	2.21	6.77	10.37	3.87	4.46	5.58	---	9.98	12.84	3.48	3.02
12	2.79	2.25	7.72	9.70	3.66	4.03	4.77	---	9.81	12.55	3.13	2.94
13	2.77	2.53	7.07	11.76	3.55	3.78	4.49	---	9.45	12.18	2.96	2.94
14	2.75	2.99	6.34	11.35	3.50	3.63	4.30	---	9.77	11.76	2.91	2.89
15	2.72	3.31	5.28	10.66	3.47	3.57	3.97	---	11.91	11.36	2.89	2.86
16	2.70	3.07	4.47	10.37	3.42	3.62	3.66	---	10.43	10.98	2.70	2.94
17	2.66	2.74	4.36	10.10	3.39	3.74	3.50	---	9.82	10.67	2.64	2.89
18	2.64	2.49	4.09	11.15	3.39	3.61	3.45	---	9.47	10.41	2.77	2.88
19	2.62	2.46	3.67	12.85	3.39	3.45	3.66	---	9.03	10.00	3.10	2.88
20	2.59	2.64	3.33	11.59	3.43	4.07	4.05	---	8.60	9.59	3.31	2.89
21	2.59	2.84	3.18	11.01	8.30	10.28	3.93	---	8.10	9.18	3.26	2.97
22	2.58	2.84	3.18	10.57	8.99	11.79	3.86	---	7.57	8.77	3.03	3.04
23	2.58	2.72	12.84	10.19	8.93	10.78	3.87	---	6.61	8.33	2.96	3.04
24	2.75	2.50	13.12	9.77	9.14	10.13	3.79	---	5.67	7.89	2.92	2.99
25	2.80	2.41	10.94	9.32	9.28	9.87	3.67	---	5.06	7.32	3.11	2.95
26	2.79	2.50	10.19	8.89	9.24	9.62	3.70	---	4.87	6.38	3.19	2.99
27	5.63	3.78	10.02	8.48	9.04	10.12	3.84	---	7.37	5.49	3.07	3.02
28	6.14	4.85	10.50	8.02	8.74	9.98	3.80	---	11.11	4.86	3.07	2.93
29	5.91	4.28	10.49	7.29	---	12.07	3.82	---	12.65	4.49	3.20	2.86
30	5.78	3.56	10.30	5.93	---	13.18	3.75	---	14.32	4.21	3.46	2.81
31	5.17	---	10.95	4.91	---	11.36	---	11.89	---	---	3.67	---
MAX	7.00	4.85	13.12	12.85	9.28	13.18	10.86	---	14.32	---	4.06	3.49
MIN	2.58	2.21	2.62	4.91	3.39	3.45	3.45	---	4.87	---	2.64	2.81

MISSISSIPPI RIVER DELTA

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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, 18.09 ft, July 6; minimum, 10.76 ft, Oct. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.71	11.02	11.81	16.12	14.40	13.48	16.11	13.35	15.62	17.34	14.58	12.47
2	11.84	11.01	11.76	16.16	14.23	13.58	16.11	13.17	15.46	17.48	14.34	12.41
3	12.21	11.04	11.69	16.09	14.07	13.87	16.06	13.01	15.36	17.73	14.11	12.34
4	12.84	11.79	11.60	15.95	13.98	14.32	15.98	13.30	15.34	17.96	13.89	12.26
5	12.87	12.59	11.49	15.75	13.83	14.51	15.88	15.19	15.44	18.03	13.68	12.21
6	12.79	12.79	11.39	15.46	13.68	14.56	15.72	15.58	15.69	18.05	13.50	12.19
7	12.67	12.78	11.29	15.11	13.57	14.51	15.53	15.49	15.71	18.04	13.40	12.18
8	12.54	12.71	11.19	14.79	13.48	14.50	15.37	15.31	15.82	18.01	13.49	12.14
9	12.41	12.62	11.08	14.57	13.38	14.52	15.21	15.00	15.91	17.95	13.37	12.10
10	12.29	12.51	11.03	14.83	13.28	14.56	15.07	14.60	15.96	17.87	13.22	12.11
11	12.17	12.40	12.13	15.28	13.20	14.63	14.95	14.16	16.11	17.78	13.09	12.22
12	12.03	12.28	13.41	15.43	13.15	14.69	14.81	13.76	16.18	17.65	13.02	12.82
13	11.89	12.24	14.12	15.57	13.11	14.76	14.69	13.46	16.14	17.52	12.95	12.95
14	11.75	12.15	14.23	15.70	13.02	14.83	14.61	13.25	16.20	17.46	12.86	12.86
15	11.63	12.08	14.01	15.76	12.95	14.87	14.54	13.07	16.67	17.34	12.77	12.74
16	11.52	12.06	13.79	15.73	12.88	14.88	14.48	12.92	16.72	17.16	12.69	12.63
17	11.41	12.02	13.53	15.64	12.83	14.92	14.42	12.96	16.66	17.01	12.62	12.53
18	11.31	11.97	13.31	15.61	12.80	14.92	14.35	14.28	16.52	16.87	12.58	12.45
19	11.22	11.96	13.14	15.95	12.78	14.92	14.30	16.23	16.35	16.73	12.64	12.37
20	11.13	11.97	13.00	16.14	12.75	14.95	14.25	16.58	16.14	16.85	12.74	12.30
21	11.06	11.89	12.91	16.22	12.85	14.95	14.22	16.69	15.86	16.75	12.80	12.24
22	10.98	11.81	12.80	16.20	13.11	15.22	14.18	16.76	15.56	16.59	12.85	12.19
23	10.90	11.73	13.80	16.12	13.45	15.65	14.15	16.77	15.24	16.49	12.85	12.15
24	10.87	11.66	14.95	15.98	13.65	15.88	14.11	16.75	14.90	16.47	12.85	12.10
25	10.81	11.58	15.24	15.82	13.64	15.94	14.06	16.71	14.62	16.32	12.90	12.06
26	10.80	11.50	15.33	15.59	13.58	15.91	13.99	16.65	14.41	---	12.85	12.02
27	10.81	11.46	15.40	15.34	13.55	15.85	13.90	16.56	14.46	---	12.78	11.98
28	10.81	11.45	15.56	15.09	13.50	15.80	13.81	16.43	16.26	---	12.71	11.95
29	10.89	11.53	15.57	14.88	---	15.83	13.68	16.26	16.96	---	12.68	11.93
30	10.96	11.78	15.50	14.69	---	15.97	13.53	16.06	17.21	---	12.61	11.91
31	11.00	---	15.74	14.55	---	16.06	---	15.83	---	14.85	12.54	---
MAX	12.87	12.79	15.74	16.22	14.40	16.06	16.11	16.77	17.21	---	14.58	12.95
MIN	10.80	11.01	11.03	14.55	12.75	13.48	13.53	12.92	14.41	---	12.54	11.91

MISSISSIPPI RIVER DELTA

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 28...	0750	510	8.07	19.0	15	10	<1	8.1	2.2	31	1000	120
NOV 16...	0835	488	7.72	28.0	10	13	<1	8.2	2.8	40	400	K95
DEC 16...	0745	166	7.27	--	60	45	<1	9.8	3.9	38	6600	480
JAN 26...	0840	131	7.25	12.0	120	50	<1	7.6	3.5	34	900	130
FEB 16...	0850	382	7.72	--	50	19	<1	9.0	2.5	23	260	K50
MAR 09...	0825	174	7.33	10.0	60	65	<1	8.0	2.7	20	740	150
APR 17...	0730	233	7.42	13.0	100	33	<1	5.6	4.6	17	1400	<2
MAY 18...	0745	145	7.63	23.0	160	270	<1	5.0	3.7	100	K11000	<10
JUN 13...	0800	110	7.00	27.0	120	130	<1	4.1	3.4	47	1200	160
JUL 20...	0710	105	6.65	27.0	100	50	<1	3.7	4.0	31	K8100	K700
AUG 31...	0750	426	7.73	30.0	20	14	<1	6.2	2.5	13	220	62

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL 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)
OCT 28...	170	42	17	38	4.0	145	47	37	14	0.01	0.26	0.23
NOV 16...	170	37	18	36	4.6	126	63	37	20	0.01	0.47	0.37
DEC 16...	64	16	5.8	6.8	4.2	55	10	8.7	73	0.03	0.52	0.72
JAN 26...	56	14	5.1	4.4	2.7	53	4.4	--	25	0.04	0.09	0.48
FEB 16...	150	36	15	17	3.5	153	18	18	27	0.02	0.19	0.73
MAR 09...	70	17	6.8	6.3	3.2	67	7.0	6.2	48	0.03	0.18	0.59
APR 17...	94	23	9.0	8.9	3.4	96	8.8	10	32	0.03	0.17	0.72
MAY 18...	61	14	--	--	2.8	47	7.3	6.0	379	0.12	1.5	0.43
JUN 13...	44	11	3.9	3.1	2.6	43	3.7	3.5	92	0.05	0.25	0.68
JUL 20...	41	10	3.8	3.2	2.6	41	2.7	2.1	33	0.02	0.12	0.47
AUG 31...	150	39	12	30	3.2	122	43	36	22	0.02	0.21	<0.20

< 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 1988 TO SEPTEMBER 1989

DATE	PHOS- PHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)
OCT 28...	0.12	2	2	<10	<10	<1	<1	<10	<1	4	2	10
NOV 16...	0.14	2	1	<10	<10	2	<1	<10	2	4	3	40
DEC 16...	0.41	3	2	<10	<10	10	<1	<10	<1	7	3	160
JAN 26...	0.23	3	<1	<10	<10	2	<1	<10	<1	6	3	200
FEB 16...	0.18	1	<1	<10	<10	<1	<1	10	<1	5	<1	80
MAR 09...	0.30	3	<1	<10	<10	<1	<1	<10	<1	7	2	130
APR 17...	0.31	4	3	<10	<10	<1	<1	<10	<1	4	2	120
MAY 18...	0.83	11	1	<10	<10	1	<1	20	<1	20	3	80
JUN 13...	0.37	5	3	<10	<10	<1	<1	<10	<1	8	7	200
JUL 20...	0.24	5	3	<10	<10	<1	<1	<10	<1	3	3	200
AUG 31...	0.11	2	2	<10	<10	<1	<1	<10	<1	2	3	20

DATE	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	<5	<5	0.1	<0.1	<1	<1	<1	<1	1	20	20	5.4
NOV 16...	5	<5	0.2	0.1	1	1	<1	<1	<1	30	10	--
DEC 16...	10	<5	<0.1	<0.1	9	<1	<1	<1	4	30	10	13
JAN 26...	<5	<5	<0.1	<0.1	8	<1	<1	<1	2	50	20	13
FEB 16...	6	<5	<0.1	<0.1	6	<1	<1	<1	1	30	10	8.1
MAR 09...	<5	<5	<0.1	<0.1	7	1	<1	<1	2	20	<10	13
APR 17...	<5	<5	<0.1	<0.1	6	3	<1	<1	2	20	10	13
MAY 18...	10	<5	<0.1	<0.1	20	1	<1	<1	3	80	<10	18
JUN 13...	<5	<5	<0.1	<0.1	6	2	<1	<1	3	40	20	13
JUL 20...	2	<1	<0.1	<0.1	2	1	<1	<1	3	30	20	9.5
AUG 31...	<1	<1	<0.1	<0.1	2	<1	<1	<1	2	<10	<10	6.5

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

MISSISSIPPI RIVER DELTA

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA. WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (µG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)	CHLOR- DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI- AZINON, TOTAL (µG/L)
OCT 28...	<0.01	1	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 16...	<0.01	2	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 16...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 26...	<0.01	1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 16...	<0.01	2	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 09...	<0.01	2	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 17...	<0.01	13	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 18...	<0.01	4	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 13...	<0.01	6	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 20...	<0.01	2	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 31...	<0.01	2	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	DI- ELDRIN TOTAL (µG/L)	ENDO- SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA- THION, TOTAL (µG/L)	METH- OXY- CHLOR, TOTAL (µG/L)	METHYL PARA- THION, TOTAL (µG/L)	METHYL TRI- THION, TOTAL (µG/L)
OCT 28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<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 1988 TO SEPTEMBER 1989

DATE	MIREX, TOTAL (µG/L)	PARA- THION, TOTAL (µG/L)	PER- THANE TOTAL (µG/L)	TOX- APHENE, TOTAL (µG/L)	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (µG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (µG/L)
OCT 28...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	9.8	0.8
NOV 16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	5.0	0.2
DEC 16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	1.2	<0.1
JAN 26...	<0.01	<0.01	<0.01	<0.5	0.01	<0.1	<0.1	<0.1	<0.1	0.9	<0.1
FEB 16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	7.0	0.3
MAR 09...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	2.5	0.2
APR 17...	<0.01	<0.01	<0.01	<0.5	<0.01	0.1	<0.1	<0.1	<0.1	3.9	0.3
MAY 18...	<0.01	<0.01	<0.01	<0.5	<0.01	0.1	<0.1	<0.1	<0.1	1.7	0.1
JUN 13...	<0.01	<0.01	<0.01	<0.5	<0.01	0.1	<0.1	<0.1	<0.1	2.5	0.2
JUL 20...	<0.01	<0.01	<0.01	<0.5	<0.01	0.4	<0.1	<0.1	<0.1	2.3	0.2
AUG 31...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	12	<0.3

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

MISSISSIPPI RIVER DELTA

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 28...	0730	500	8.09	19.0	10	8.6	<1	8.0	3.8	26	1200	160
NOV 16...	0820	507	7.74	20.0	10	14	<1	8.5	3.5	40	1000	430
DEC 16...	0930	167	7.28	--	100	35	<1	9.4	3.1	30	5000	560
JAN 26...	0915	129	7.36	12.0	160	45	<1	7.4	2.5	28	640	K130
FEB 16...	0835	385	7.98	--	50	17	<1	10.2	4.4	22	200	K30
MAR 09...	0805	170	7.94	10.0	60	70	<1	7.8	4.1	21	920	230
APR 17...	0705	244	7.50	13.0	80	41	<1	7.8	7.2	16	K7200	--
MAY 18...	0630	149	7.36	23.0	160	280	<1	5.1	4.6	74	10000	K990
JUN 13...	0730	110	7.00	27.0	150	130	<1	4.2	3.4	45	1400	40
JUL 20...	0730	97	6.69	27.0	80	28	<1	3.6	3.3	33	K6800	400
AUG 31...	0720	433	7.89	30.0	30	14	<1	7.3	7.0	16	600	K20

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (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)
OCT 28...	170	42	17	36	4.1	151	43	38	18	0.01	0.23	0.25
NOV 16...	170	39	18	36	4.5	131	65	38	30	0.01	0.47	0.31
DEC 16...	65	16	6.0	6.2	4.2	54	10	9.1	59	0.03	0.52	0.65
JAN 26...	56	14	5.1	4.4	2.8	53	4.4	4.4	24	0.04	0.09	0.46
FEB 16...	150	37	15	17	3.6	155	18	19	19	0.01	0.19	0.45
MAR 09...	67	16	6.6	6.8	3.0	67	7.0	5.8	45	0.04	0.20	0.53
APR 17...	99	24	9.4	10	3.3	97	8.5	11	39	0.03	0.18	0.66
MAY 18...	58	14	5.7	5.2	3.2	48	6.8	6.5	490	0.12	1.5	0.55
JUN 13...	41	10	3.9	3.1	2.6	43	3.8	3.0	92	0.05	0.29	1.1
JUL 20...	41	10	3.8	3.2	2.4	41	2.5	1.8	21	0.02	0.12	0.56
AUG 31...	150	40	12	31	3.0	126	44	37	24	0.01	0.22	<0.20

< 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

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303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	PHOS- PHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC DIS- SOLVED (µG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (µG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)
OCT 28...	0.12	1	1	<10	<10	<1	<1	<10	<1	3	1	20
NOV 16...	0.17	1	1	<10	<10	2	<1	<10	<1	3	3	70
DEC 16...	0.41	2	2	<10	<10	<1	1	<10	<1	6	4	130
JAN 26...	0.23	2	<1	<10	<10	1	<1	<10	<1	5	4	290
FEB 16...	0.17	1	<1	<10	<10	<1	<1	10	<1	2	1	40
MAR 09...	0.28	3	1	<10	<10	<1	<1	<10	<1	6	3	190
APR 17...	0.27	4	2	<10	<10	<1	<1	<10	<1	4	1	10
MAY 18...	0.70	8	2	<10	<10	<1	1	20	<1	20	5	1100
JUN 13...	0.34	5	3	<10	<10	<1	<1	<10	<1	7	8	180
JUL 20...	0.25	5	3	<10	<10	<1	<1	<10	<1	4	3	230
AUG 31...	0.10	2	2	<10	<10	<1	<1	<10	<1	2	4	20

DATE	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG)	MERCURY DIS- SOLVED (µG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (µG/L AS NI)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, TOTAL (µG/L AS SE)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN)	ZINC, DIS- SOLVED (µG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	<5	<5	<0.1	--	<1	<1	<1	<1	1	50	30	6.0
NOV 16...	6	<5	<0.1	<0.1	3	1	<1	<1	<1	40	20	6.6
DEC 16...	9	<5	<0.1	0.1	6	<1	<1	<1	4	30	30	12
JAN 26...	<5	<5	<0.1	<0.1	4	<1	<1	<1	4	40	10	14
FEB 16...	<5	<5	<0.1	<0.1	6	<1	<1	<1	1	50	20	8.6
MAR 09...	<5	<5	<0.1	<0.1	4	2	<1	<1	3	20	<10	13
APR 17...	<5	<5	<0.1	<0.1	4	2	<1	<1	2	20	10	13
MAY 18...	10	<5	<0.1	<0.1	20	2	<1	<1	4	60	10	17
JUN 13...	<5	<5	<0.1	<0.1	6	2	<1	<1	3	50	20	13
JUL 20...	2	<1	<0.1	<0.1	2	2	<1	<1	2	30	20	10
AUG 31...	<1	<1	<0.1	<0.1	2	<1	<1	<1	2	10	<10	5.7

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

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (µG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (µG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (µG/L)	ALDRIN, TOTAL (µG/L)	CHLOR- DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)	DDT, TOTAL (µG/L)	DI- AZINON, TOTAL (µG/L)
OCT 28...	<0.01	2	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 16...	<0.01	2	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 16...	<0.01	1	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 26...	<0.01	1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 16...	<0.01	3	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 09...	<0.01	<1	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 17...	<0.01	5	1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 18...	<0.01	5	<1	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 13...	<0.01	5	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 20...	<0.01	1	3	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 31...	<0.01	4	2	<0.1	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	DI- ELDRIN TOTAL (µG/L)	ENDO- SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	HEPTA- CHLOR, TOTAL (µG/L)	HEPTA- CHLOR EPOXIDE TOTAL (µG/L)	LINDANE TOTAL (µG/L)	MALA- THION, TOTAL (µG/L)	METH- OXY- CHLOR, TOTAL (µG/L)	METHYL PARA- THION, TOTAL (µG/L)	METHYL TRI- THION, TOTAL (µG/L)
OCT 28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NOV 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DEC 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JAN 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 18...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--
JUN 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 31...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01

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

MISSISSIPPI RIVER DELTA

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303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	MIREX, TOTAL (µG/L)	PARA- THION, TOTAL (µG/L)	PER- THANE TOTAL (µG/L)	TOX- APHENE, TOTAL (µG/L)	TOTAL TRI- THION (µG/L)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (µG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (µG/L)
OCT 28...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	12	0.6
NOV 16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	6.4	0.2
DEC 16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	1.0	<0.1
JAN 26...	<0.01	<0.01	<0.01	<0.5	0.01	<0.1	<0.1	<0.1	<0.1	1.4	<0.1
FEB 16...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	22	1.3
MAR 09...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	1.3	0.1
APR 17...	<0.01	<0.01	<0.01	<0.5	<0.01	0.4	<0.1	<0.1	<0.1	3.6	0.2
MAY 18...	<0.01	0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
JUN 13...	<0.01	<0.01	<0.01	<0.5	<0.01	0.1	<0.1	<0.1	<0.1	2.5	0.2
JUL 20...	<0.01	<0.01	<0.01	<0.5	<0.01	0.1	<0.1	<0.1	<0.1	1.9	0.2
AUG 31...	<0.01	0.01	<0.01	<0.5	0.02	<0.1	<0.1	<0.1	<0.1	16	0.6

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

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner sec.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. Records fair. No gage height record at base gage, Mar. 23-28, June 3-8, July 23-Aug. 7, and Sept. 23-30. 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 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 way of the Courtableau Weirs near Krotz Springs. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--40 years, 858 ft³/s, 621,600 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, 2,770 ft³/s, July 14, elevation, 21.18 ft; maximum elevation, 21.19 ft, July 15; minimum discharge, 608 ft³/s, Feb. 21, elevation, 12.20 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1220	996	713	1890	934	1110	1370	1040	1320	1380	e1100	1050
2	1530	1020	725	1740	992	1090	1330	1030	1250	1510	e1110	1030
3	1450	1050	728	1550	1040	1150	1290	1030	e1250	1780	e1100	1020
4	1210	1110	714	1360	912	1220	1240	1070	e1290	1950	e1090	1020
5	1100	1110	696	1180	789	1170	1190	1200	e1450	1550	e1070	1020
6	1040	1060	729	1050	795	1090	1110	1060	e1660	1470	e1050	1020
7	985	1010	740	1090	862	1070	1060	1130	e1540	1540	e1070	1020
8	985	990	734	1070	931	1130	1070	1130	e1430	1870	1160	1010
9	1010	969	693	1050	968	1130	1060	1090	1330	1850	1070	1010
10	1040	969	635	1250	984	1110	1040	1060	1280	1750	1040	1010
11	1020	983	1230	1320	979	1080	1010	1010	1250	1660	1020	1020
12	1000	981	1390	1270	958	1060	1050	974	1250	1670	1030	1030
13	1010	1010	1170	1310	925	1040	1070	983	1230	1560	1040	1030
14	1000	1040	951	1340	896	1020	1070	1020	1310	2030	1040	1020
15	1000	1050	825	1320	859	1000	1070	1040	1880	1100	1030	998
16	997	1060	797	1290	827	1020	1050	1070	1810	971	1010	1000
17	994	1050	827	1240	793	1040	1030	1140	1660	997	1010	996
18	990	1050	873	1310	743	1050	1020	1440	1470	1010	1040	998
19	985	981	872	1850	686	1060	1030	1590	1320	1040	1030	1010
20	981	866	837	1880	635	1060	1020	1460	1210	1060	1030	1010
21	980	761	682	1770	626	1080	1010	1840	1160	793	1030	1000
22	973	741	624	1580	899	1230	1010	1850	1130	834	1040	999
23	994	757	1250	1390	1120	e1370	1030	1810	1130	e1200	1040	e1040
24	993	741	1740	1260	1130	e1300	1030	1650	1070	e1500	1040	e1020
25	972	755	1710	1140	1130	e1230	1040	1510	1030	e1620	1040	e1020
26	1010	742	1580	1030	1130	e1150	1040	1430	1000	e1440	1040	e1020
27	1080	770	1450	982	1130	e1110	1030	1400	1110	e1300	1040	e1020
28	1120	865	1390	1060	1130	e1150	1040	1380	1690	e1200	1050	e1020
29	1110	906	1340	1090	---	1280	1040	1370	1230	e1170	1060	e1020
30	1060	783	1270	1080	---	1390	1050	1360	1430	e1120	1070	e1020
31	1030	---	1560	1000	---	1390	---	1360	---	e1070	1070	---
TOTAL	32869	28176	31475	40742	25803	35380	32500	39527	40170	42995	32660	30501
MEAN	1060	939	1015	1314	922	1141	1083	1275	1339	1387	1054	1017
MAX	1530	1110	1740	1890	1130	1390	1370	1850	1880	2030	1160	1050
MIN	972	741	624	982	626	1000	1010	974	1000	793	1010	996
AC-FT	65200	55890	62430	80810	51180	70180	64460	78400	79680	85280	64780	60500
CAL YR 1988	TOTAL 376520		MEAN 1029		MAX 2510		MIN 257		AC-FT 746800			
WTR YR 1989	TOTAL 412798		MEAN 1131		MAX 2030		MIN 624		AC-FT 818800			

e Estimated.

MISSISSIPPI RIVER DELTA

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07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.83	13.90	12.67	17.55	13.64	14.37	15.47	14.08	15.23	18.96	---	14.13
2	16.11	13.99	12.72	16.98	13.88	14.30	15.30	14.05	14.98	18.55	---	14.06
3	15.78	14.13	12.73	16.20	14.07	14.57	15.11	14.04	---	18.38	---	14.01
4	14.80	14.38	12.68	15.41	13.54	14.85	14.90	14.22	---	19.05	---	13.99
5	14.32	14.37	12.60	14.69	13.00	14.63	14.71	14.75	---	19.12	---	13.98
6	14.07	14.19	12.74	14.11	13.02	14.30	14.37	14.17	---	18.67	---	13.98
7	13.85	13.97	12.79	14.28	13.32	14.21	14.17	14.46	---	18.21	---	13.99
8	13.85	13.87	12.76	14.21	13.62	14.46	14.21	14.46	---	17.86	14.59	13.95
9	13.94	13.79	12.58	14.12	13.78	14.45	14.17	14.32	15.30	17.42	14.22	13.94
10	14.08	13.79	12.32	14.98	13.85	14.37	14.08	14.15	15.09	16.99	14.07	13.96
11	13.99	13.84	14.86	15.26	13.83	14.26	13.98	13.97	14.95	16.64	14.00	14.02
12	13.93	13.84	15.53	15.06	13.74	14.17	14.13	13.81	14.94	16.66	14.04	14.05
13	13.95	13.96	14.64	15.22	13.60	14.10	14.20	13.84	14.86	16.23	14.10	14.03
14	13.93	14.09	13.71	15.32	13.47	14.01	14.21	13.98	15.19	20.11	14.09	13.98
15	13.92	14.14	13.16	15.27	13.31	13.94	14.19	14.09	17.52	21.09	14.04	13.91
16	13.90	14.16	13.03	15.12	13.17	13.99	14.13	14.20	17.25	20.71	13.97	13.92
17	13.89	14.14	13.17	14.91	13.02	14.10	14.03	14.53	16.63	20.25	13.95	13.90
18	13.87	14.12	13.37	15.23	12.80	14.15	14.02	15.85	15.90	19.70	14.07	13.91
19	13.85	13.84	13.37	17.40	12.55	14.16	14.03	18.36	15.24	19.11	14.04	13.98
20	13.83	13.34	13.21	17.53	12.32	14.15	14.02	18.17	14.79	19.61	14.06	13.95
21	13.83	12.88	12.53	17.10	12.28	14.27	13.98	17.95	14.60	19.17	14.06	13.92
22	13.80	12.79	12.27	16.33	13.48	---	13.98	17.88	14.46	18.46	14.07	13.91
23	13.89	12.86	14.95	15.56	14.41	---	14.03	17.23	14.45	---	14.09	---
24	13.89	12.79	16.97	15.00	14.46	---	14.06	16.61	14.23	---	14.08	---
25	13.80	12.85	16.84	14.52	14.45	---	14.07	16.06	14.06	---	14.08	---
26	13.97	12.80	16.33	14.05	14.47	---	14.07	15.73	13.93	---	14.08	---
27	14.27	12.91	15.78	13.84	14.47	---	14.06	15.57	14.38	---	14.08	---
28	14.41	13.33	15.55	14.19	14.45	---	14.07	15.50	17.95	---	14.11	---
29	14.37	13.51	15.33	14.32	---	---	14.10	15.45	19.02	---	14.18	---
30	14.18	12.97	15.03	14.26	---	15.53	14.11	15.41	19.21	---	14.21	---
31	14.05	---	16.22	13.92	---	15.56	---	15.40	---	---	14.19	---
MAX	16.11	14.38	16.97	17.55	14.47	---	15.47	18.36	---	---	---	---
MIN	13.80	12.79	12.27	13.84	12.28	---	13.98	13.81	---	---	---	---

MISSISSIPPI RIVER DELTA

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 secs.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.

GAGE.--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 discharges. 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.

AVERAGE DISCHARGE.--30 years, 491 ft³/s, 355,700 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 at times in 1962-64, 1972, and 1988.

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, 3,510 ft³/s, July 14, gage height, 12.65 ft; minimum discharge, 211 ft³/s, Nov. 22, 23, gage height, 10.05 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	356	339	1060	573	528	621	409	702	1260	595	345
2	521	377	328	1040	570	576	600	396	661	1220	580	320
3	587	443	336	931	616	578	568	399	620	1170	557	308
4	498	504	335	815	586	589	493	427	566	1310	535	300
5	383	519	323	704	514	575	473	537	855	1310	511	301
6	335	505	326	620	507	518	419	485	934	1280	479	311
7	343	472	344	604	516	509	386	440	805	1200	469	317
8	330	465	350	614	542	530	361	447	795	1130	563	306
9	337	451	327	622	563	512	378	443	683	1060	495	321
10	376	444	352	693	579	442	360	428	617	985	444	309
11	385	447	632	740	589	421	335	393	572	917	416	297
12	363	450	692	733	582	412	339	369	554	880	398	301
13	343	471	606	750	563	401	369	363	535	851	396	340
14	336	469	491	785	552	388	410	386	850	2620	391	331
15	337	472	433	756	533	401	417	402	1000	2040	379	299
16	341	500	393	730	523	405	399	408	910	1690	363	285
17	342	493	400	698	498	407	387	444	834	1580	347	277
18	340	490	425	902	473	422	381	988	744	1490	374	274
19	342	411	435	1190	440	422	385	1340	650	1390	364	269
20	364	351	429	1210	400	415	381	1090	564	1500	352	268
21	369	281	366	1110	425	437	380	1030	508	1420	348	275
22	356	234	338	992	505	543	383	1030	475	1300	344	282
23	360	230	892	868	634	656	393	968	463	1210	350	286
24	385	305	1030	765	645	611	401	901	447	1120	355	272
25	361	325	978	693	543	562	408	811	403	1030	345	275
26	408	331	904	627	529	514	411	743	377	942	339	277
27	446	365	823	582	531	465	408	698	680	852	335	274
28	437	377	801	587	544	454	408	663	1820	771	330	274
29	434	421	764	628	---	629	411	636	1600	704	356	280
30	408	403	727	639	---	652	410	617	1320	669	353	272
31	387	---	880	609	---	646	---	605	---	615	357	---
TOTAL	11954	12362	16799	24297	15075	15620	12475	19296	22544	37516	12820	8846
MEAN	386	412	542	784	538	504	416	622	751	1210	414	295
MAX	587	519	1030	1210	645	656	621	1340	1820	2620	595	345
MIN	330	230	323	582	400	388	335	363	377	615	330	268
AC-FT	23710	24520	33320	48190	29900	30980	24740	38270	44720	74410	25430	17550
CAL YR 1988	TOTAL 177624.41			MEAN 485	MAX 1830	MIN .00	AC-FT 352300					
WTR YR 1989	TOTAL 209604			MEAN 574	MAX 2620	MIN 230	AC-FT 415700					

MISSISSIPPI RIVER DELTA

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07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.29	10.27	10.25	10.92	10.43	10.38	10.48	10.23	10.57	11.10	10.45	10.18
2	10.45	10.30	10.24	10.90	10.42	10.43	10.46	10.22	10.52	11.06	10.44	10.15
3	10.54	10.38	10.25	10.80	10.48	10.43	10.42	10.22	10.48	11.02	10.41	10.14
4	10.44	10.46	10.25	10.69	10.44	10.45	10.33	10.25	10.42	11.14	10.38	10.13
5	10.31	10.47	10.23	10.57	10.36	10.43	10.31	10.39	10.71	11.14	10.35	10.13
6	10.25	10.46	10.23	10.48	10.35	10.36	10.25	10.32	10.80	11.12	10.32	10.14
7	10.26	10.42	10.26	10.46	10.36	10.35	10.20	10.27	10.68	11.04	10.30	10.15
8	10.24	10.41	10.26	10.47	10.39	10.38	10.17	10.28	10.67	10.98	10.42	10.14
9	10.25	10.39	10.23	10.48	10.42	10.36	10.19	10.27	10.55	10.92	10.35	10.16
10	10.30	10.39	10.25	10.56	10.43	10.27	10.17	10.26	10.48	10.85	10.29	10.15
11	10.31	10.39	10.58	10.61	10.45	10.25	10.14	10.21	10.43	10.79	10.25	10.13
12	10.28	10.39	10.64	10.60	10.44	10.24	10.15	10.18	10.41	10.75	10.23	10.14
13	10.26	10.42	10.55	10.62	10.42	10.22	10.18	10.17	10.38	10.72	10.23	10.19
14	10.25	10.42	10.41	10.66	10.40	10.21	10.23	10.20	10.69	12.21	10.22	10.18
15	10.25	10.42	10.33	10.63	10.38	10.22	10.24	10.22	10.87	11.73	10.20	10.14
16	10.25	10.45	10.28	10.60	10.37	10.23	10.22	10.23	10.78	11.44	10.19	10.12
17	10.26	10.44	10.28	10.57	10.34	10.23	10.21	10.28	10.71	11.35	10.17	10.11
18	10.25	10.44	10.31	10.76	10.31	10.25	10.20	10.79	10.61	11.28	10.21	10.10
19	10.26	10.35	10.31	11.03	10.27	10.25	10.20	11.16	10.51	11.21	10.20	10.10
20	10.29	10.27	10.30	11.06	10.22	10.24	10.20	10.95	10.42	11.29	10.18	10.10
21	10.29	10.17	10.22	10.97	10.25	10.27	10.20	10.89	10.35	11.23	10.17	10.11
22	10.27	10.09	10.17	10.86	10.35	10.39	10.20	10.90	10.31	11.13	10.17	10.12
23	10.28	10.08	10.79	10.74	10.50	10.52	10.21	10.84	10.30	11.05	10.18	10.13
24	10.31	10.20	10.92	10.64	10.51	10.47	10.22	10.77	10.28	10.97	10.18	10.11
25	10.28	10.23	10.87	10.56	10.39	10.42	10.23	10.68	10.23	10.89	10.18	10.11
26	10.34	10.24	10.79	10.49	10.38	10.36	10.24	10.61	10.19	10.81	10.17	10.12
27	10.39	10.29	10.70	10.44	10.38	10.30	10.23	10.57	10.50	10.72	10.17	10.12
28	10.38	10.30	10.68	10.44	10.39	10.29	10.23	10.53	11.52	10.64	10.16	10.12
29	10.37	10.36	10.63	10.49	---	10.49	10.23	10.50	11.37	10.57	10.19	10.13
30	10.34	10.33	10.60	10.50	---	10.52	10.23	10.48	11.14	10.53	10.19	10.12
31	10.32	---	10.75	10.47	---	10.51	---	10.46	---	10.48	10.20	---
MAX	10.54	10.47	10.92	11.06	10.51	10.52	10.48	11.16	11.52	12.21	10.45	10.19
MIN	10.24	10.08	10.17	10.44	10.22	10.21	10.14	10.17	10.19	10.48	10.16	10.10

MISSISSIPPI RIVER DELTA

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (µS/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (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, KF AGAR (COLS. PER 100 ML)
OCT 26...	1410	408	446	7.36	22.5	20	11	5.7	1.2	550	1800
JAN 11...	1000	740	169	7.42	12.0	100	37	7.0	1.6	1200	3800
APR 11...	1000	335	140	7.58	16.0	140	55	5.7	1.2	--	80
JUL 17...	1500	1580	56	6.57	27.0	100	29	4.0	2.6	490	460

DATE	HARD-NESS TOTAL (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 WAT WH TOT FET 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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 26...	140	33	13	38	4.5	110	49	37	0.2	6.6	256
JAN 11...	50	12	4.8	14	3.2	50	14	16	0.1	10	122
APR 11...	46	11	4.4	9.8	2.2	46	5.0	11	0.1	8.4	88
JUL 17...	17	4.5	1.4	3.4	2.1	18	4.0	3.3	0.1	4.0	31

DATE	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, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (µG/L AS AL)	ARSENIC DIS-SOLVED (µG/L AS AS)
OCT 26...	252	<0.01	0.43	<0.05	0.05	0.6	0.20	0.17	0.15	10	3
JAN 11...	100	<0.01	0.12	0.15	0.17	0.9	0.32	0.23	0.16	220	2
APR 11...	79	0.01	0.16	0.13	0.11	0.9	0.20	0.12	0.10	100	2
JUL 17...	34	0.01	0.17	0.09	0.07	0.7	0.19	0.11	0.11	120	2

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

MISSISSIPPI RIVER DELTA

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07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)
OCT 26...	82	<0.5	<1	<1	<3	3	28	<5	9	29	<0.1
JAN 11...	43	<0.5	<1	<1	<3	4	350	<5	5	45	<0.1
APR 11...	44	<0.5	<1	1	<3	3	350	<5	<4	64	<0.1
JUL 17...	27	<0.5	<1	110	<3	3	130	1	<4	49	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 26...	<10	2	<1	<1	200	<6	13	59	65	98
JAN 11...	<10	4	<1	1	57	<6	13	73	146	97
APR 11...	<10	2	<1	<1	55	<6	13	76	69	93
JUL 17...	<10	<1	<1	<1	24	<6	25	104	444	99

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

MISSISSIPPI RIVER DELTA

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.--Records poor. No elevation for the period, Oct. 29 to Jan 12; no velocity record for the periods, Oct. 29 to Jan. 12 and Feb. 7 to Mar. 30.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 2,180 ft³/s, June 28, 1989; maximum elevation, 4.19 ft, Oct. 29, 1985; maximum negative discharge, -1,400 ft³/s, Apr. 5, 1988; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge recorded, 2,180 ft³/s, June 28, elevation, 4.18 ft; maximum negative discharge recorded, -886 ft³/s, June 9, but may have been greater during the periods of no elevation record; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-118	---	---	---	-237	---	-63	-205	-63	90	222	-111
2	-121	---	---	---	-199	---	-204	-171	-308	88	-304	-113
3	-62	---	---	---	-308	---	-174	-117	-208	-13	-228	-122
4	-8.5	---	---	---	-374	---	-79	98	-141	-128	-234	-156
5	-108	---	---	---	-413	---	-380	-46	-79	-67	-255	-150
6	-110	---	---	---	-467	---	-170	-145	-317	-105	-253	-154
7	-86	---	---	---	---	---	-289	-105	-63	-7.2	-290	-171
8	-117	---	---	---	---	---	-102	30	-131	-51	-221	-149
9	-110	---	---	---	---	---	-289	-35	-573	-76	-245	-151
10	-113	---	---	---	---	---	-473	-224	-251	30	-246	-128
11	-17	---	---	---	---	---	-381	-182	-74	-38	-205	-148
12	-83	---	---	---	---	---	-312	-212	-109	-78	-165	-174
13	-30	---	---	-338	---	---	-263	-169	-133	-70	-127	-174
14	-64	---	---	-191	---	---	-164	-139	259	-407	-149	-190
15	-141	---	---	-319	---	---	-224	-209	-273	-266	-139	-145
16	-141	---	---	-395	---	---	-255	-138	-240	-169	-106	-119
17	-107	---	---	-346	---	---	-282	-185	-1.8	-144	-86	-186
18	-104	---	---	-404	---	---	-217	156	-5.4	-122	-122	-253
19	-86	---	---	-147	---	---	-208	-19	-39	-103	-105	-271
20	-56	---	---	-315	---	---	-316	-55	-289	-76	-109	-301
21	-68	---	---	-190	---	---	-335	-32	-122	-94	-126	-306
22	-45	---	---	-200	---	---	-283	112	-131	-52	-151	-293
23	-111	---	---	-323	---	---	-221	48	-105	-11	-134	-231
24	-21	---	---	-384	---	---	-194	3.3	-84	-35	-104	-226
25	-76	---	---	-420	---	---	-158	133	-122	-20	-90	-303
26	-58	---	---	-385	---	---	-206	-61	-39	11	-122	-339
27	-31	---	---	-404	---	---	-154	-224	177	-27	-170	-297
28	-104	---	---	-241	---	---	-104	-157	249	-76	-136	-279
29	---	---	---	-339	---	---	-211	-163	-48	-60	-178	-270
30	---	---	---	-268	---	---	-169	-94	45	-45	-143	-217
31	---	---	---	-179	---	-413	---	-89	---	-70	-131	---
TOTAL	---	---	---	---	---	---	-6880	-2595.7	-3219.2	-2191.2	-4852	-6127
MEAN	---	---	---	---	---	---	-229	-83.7	-107	-70.7	-157	-204
MAX	---	---	---	---	---	---	-473	-224	-573	-407	-304	-339
MIN	---	---	---	---	---	---	-63	3.3	-1.8	-7.2	-86	-111

MISSISSIPPI RIVER DELTA

245

07385800 BAYOU TECHE AT FRANKLIN, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.81	---	---	---	1.67	1.52	1.72	1.42	2.05	3.20	2.64	1.64
2	1.66	---	---	---	1.59	1.58	2.15	1.35	2.24	3.17	2.50	1.50
3	1.13	---	---	---	1.49	1.78	2.01	1.66	2.29	3.02	2.11	1.31
4	.46	---	---	---	.99	2.06	2.15	2.16	2.28	3.03	1.92	1.49
5	.84	---	---	---	1.37	1.93	1.58	2.19	2.40	2.88	1.66	1.74
6	.82	---	---	---	1.25	1.16	1.56	1.77	2.29	2.72	1.39	2.00
7	.94	---	---	---	.88	1.08	1.53	1.45	2.17	2.73	1.37	2.02
8	1.02	---	---	---	.93	1.09	1.74	1.59	2.56	2.65	1.21	1.97
9	1.33	---	---	---	.75	1.13	1.61	1.96	2.11	2.64	1.27	1.99
10	1.13	---	---	---	1.08	1.19	1.10	1.48	1.93	2.76	1.44	1.83
11	1.05	---	---	---	1.39	1.22	1.10	1.27	2.11	2.68	1.39	1.83
12	.87	---	---	---	1.43	1.32	1.46	1.44	2.06	2.51	1.48	1.84
13	.55	---	---	1.32	1.71	1.39	1.45	1.72	2.08	2.42	1.55	1.97
14	1.11	---	---	1.44	1.66	1.55	1.50	1.82	2.61	3.34	1.67	2.04
15	1.33	---	---	1.32	1.64	1.71	1.47	1.71	2.30	2.98	1.64	1.62
16	1.51	---	---	1.19	1.55	1.70	1.49	1.64	1.84	2.91	1.63	1.22
17	1.47	---	---	1.29	1.20	1.76	1.60	1.96	1.91	2.77	1.67	1.32
18	1.40	---	---	1.41	1.08	1.73	1.55	2.34	2.00	2.71	1.52	1.49
19	1.35	---	---	1.63	1.15	1.55	1.49	2.60	2.00	2.68	1.41	1.67
20	1.46	---	---	1.60	1.70	1.72	1.15	2.41	1.71	2.66	1.41	1.69
21	1.61	---	---	1.19	1.64	1.66	1.28	2.30	1.85	2.44	1.54	1.81
22	1.30	---	---	1.63	.91	1.29	1.44	2.31	2.01	2.42	1.81	1.60
23	1.93	---	---	1.65	.56	1.29	1.63	2.32	2.09	2.46	2.05	1.42
24	1.57	---	---	1.77	.71	1.43	1.68	2.19	2.12	2.28	1.94	.77
25	1.62	---	---	1.56	.98	1.60	1.75	2.35	2.10	2.19	1.74	1.24
26	1.66	---	---	1.51	1.08	1.75	1.68	2.38	2.23	2.26	1.69	1.37
27	1.62	---	---	1.37	1.45	1.82	1.68	2.02	2.72	2.11	1.67	1.49
28	1.64	---	---	1.45	1.38	1.89	1.79	1.56	3.50	1.92	1.64	1.49
29	---	---	---	1.52	---	2.19	1.68	1.58	3.32	1.92	1.62	1.43
30	---	---	---	1.50	---	2.18	1.54	1.74	3.23	1.90	1.65	1.35
31	---	---	---	1.49	---	1.79	---	1.81	---	1.98	1.68	---
MAX	---	---	---	---	1.71	2.19	2.15	2.60	3.50	3.34	2.64	2.04
MIN	---	---	---	---	.56	1.08	1.10	1.27	1.71	1.90	1.21	.77

MISSISSIPPI RIVER DELTA

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 sec.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: Dec. 24-26, Dec. 31-Jan. 3, 19-22, May 19-24, June 6, 8, 15-19, June 28-July 12, and July 14-27 (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, 608 ft³/s, Oct. 2; maximum daily reverse flow, -470 ft³/s, July 15; no flow, Jan. 1, June 30, and July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	408	276	169	e.00	251	318	433	296	418	e-40	325	301
2	608	286	174	e-10	275	324	416	292	414	e-40	327	294
3	554	300	175	e100	293	370	399	291	401	e90	321	290
4	403	324	170	452	243	363	379	307	387	e50	316	288
5	331	322	164	361	196	332	360	369	522	e-110	310	287
6	298	304	176	296	198	301	324	305	e230	e-50	302	287
7	275	282	179	313	224	327	302	333	e40	e100	313	287
8	275	272	176	305	248	333	306	335	e400	e230	375	284
9	283	264	160	298	264	326	303	320	432	e350	318	283
10	308	264	146	392	271	315	294	303	404	e400	298	284
11	296	270	452	418	269	305	284	286	387	e420	290	291
12	282	269	489	396	259	297	299	270	386	e430	293	295
13	283	281	362	414	246	289	308	272	378	538	300	291
14	282	295	256	423	235	280	309	285	432	e10	297	291
15	281	299	207	414	220	283	307	295	e150	e-470	292	285
16	278	301	197	398	208	295	300	307	e-40	e-460	286	279
17	278	300	211	378	194	301	291	339	e-10	e-430	284	281
18	276	297	227	430	175	302	290	495	e200	e-340	295	280
19	274	268	226	e250	156	301	291	e300	e400	e-150	292	278
20	271	223	209	e180	140	299	290	e130	378	e-320	294	276
21	271	185	154	e260	153	308	286	e-110	352	e-310	294	282
22	268	179	139	e350	284	399	286	e-360	335	e-210	295	286
23	277	185	492	473	332	446	291	e-410	334	e-110	297	286
24	276	180	e200	399	332	409	294	e100	310	e.00	296	281
25	267	184	e-50	342	333	375	295	526	294	e110	296	280
26	285	179	e200	291	334	341	295	470	281	e210	296	279
27	319	190	477	270	333	322	293	448	333	e320	296	279
28	329	226	452	304	328	336	294	438	e140	390	300	279
29	325	240	429	318	---	382	298	432	e60	368	307	279
30	305	193	393	312	---	449	299	428	e.00	343	312	279
31	291	---	e100	278	---	444	---	427	---	315	308	---
TOTAL	9757	7638	7511	9805.00	6994	10472	9416	8519	8748.00	1634.00	9425	8542
MEAN	315	255	242	316	250	338	314	275	292	52.7	304	285
MAX	608	324	492	473	334	449	433	526	522	538	375	301
MIN	267	179	-50	0	140	280	284	-110	0	0	284	276

CAL YR 1988 TOTAL 92675 MEAN 253 MAX 609 MIN 11
WTR YR 1989 TOTAL 98461.00 MEAN 270 MAX 608 MIN 0

e Estimated.

MISSISSIPPI RIVER DELTA

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07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA--Continued
 ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.25	13.12	11.99	17.10	12.88	13.51	14.44	13.30	14.33	18.52	13.57	13.35
2	15.67	13.21	12.04	16.45	13.11	13.56	14.32	13.27	14.30	18.07	13.58	13.29
3	15.31	13.34	12.06	15.52	13.28	13.95	14.18	13.26	14.20	17.83	13.54	13.25
4	14.21	13.56	11.99	14.59	12.80	13.89	14.03	13.40	14.08	18.55	13.49	13.23
5	13.62	13.54	11.92	13.87	12.30	13.63	13.87	13.94	15.03	18.68	13.43	13.22
6	13.32	13.38	12.06	13.31	12.32	13.35	13.56	13.39	16.25	18.20	13.36	13.22
7	13.12	13.17	12.10	13.46	12.60	13.59	13.37	13.64	15.58	17.70	13.46	13.23
8	13.11	13.09	12.06	13.39	12.85	13.63	13.40	13.65	14.83	17.33	13.99	13.20
9	13.19	13.01	11.88	13.33	13.01	13.58	13.37	13.52	14.44	16.81	13.50	13.19
10	13.42	13.01	11.70	14.12	13.08	13.48	13.29	13.38	14.22	16.28	13.32	13.20
11	13.31	13.06	14.55	14.34	13.05	13.39	13.19	13.22	14.09	15.82	13.25	13.26
12	13.18	13.05	14.86	14.16	12.96	13.32	13.33	13.06	14.08	15.75	13.28	13.30
13	13.19	13.17	13.87	14.30	12.83	13.24	13.41	13.08	14.01	15.20	13.34	13.26
14	13.18	13.29	12.92	14.37	12.71	13.16	13.42	13.21	14.41	19.82	13.32	13.26
15	13.17	13.33	12.42	14.30	12.56	13.19	13.41	13.30	16.99	20.77	13.27	13.20
16	13.14	13.35	12.31	14.18	12.43	13.29	13.35	13.41	16.75	20.42	13.21	13.15
17	13.14	13.34	12.46	14.02	12.28	13.35	13.26	13.69	16.04	19.91	13.19	13.17
18	13.12	13.32	12.64	14.37	12.06	13.36	13.25	14.80	15.15	19.32	13.30	13.16
19	13.10	13.04	12.62	16.93	11.82	13.36	13.26	17.84	14.44	18.69	13.27	13.14
20	13.08	12.59	12.44	17.09	11.62	13.34	13.25	17.73	14.01	19.25	13.29	13.12
21	13.07	12.17	11.80	16.59	11.78	13.42	13.21	17.41	13.80	18.82	13.29	13.18
22	13.05	12.10	11.61	15.69	13.18	14.17	13.21	17.33	13.66	18.06	13.29	13.22
23	13.13	12.17	14.69	14.74	13.63	14.55	13.26	16.61	13.65	17.37	13.31	13.22
24	13.12	12.11	16.49	14.18	13.63	14.26	13.29	15.83	13.44	16.80	13.31	13.17
25	13.04	12.17	16.19	13.71	13.63	13.99	13.29	15.12	13.28	16.05	13.31	13.16
26	13.20	12.10	15.46	13.26	13.64	13.70	13.29	14.73	13.17	15.25	13.30	13.15
27	13.51	12.22	14.78	13.06	13.64	13.54	13.28	14.56	13.62	14.56	13.31	13.15
28	13.60	12.62	14.59	13.38	13.60	13.66	13.29	14.49	17.46	14.11	13.34	13.15
29	13.56	12.76	14.41	13.50	---	14.04	13.32	14.44	18.61	13.93	13.41	13.15
30	13.39	12.26	14.13	13.45	---	14.57	13.34	14.41	18.80	13.72	13.46	13.15
31	13.27	---	15.61	13.14	---	14.53	---	14.41	---	13.48	13.42	---
MAX	15.67	13.56	16.49	17.10	13.64	14.57	14.44	17.84	18.80	20.77	13.99	13.35
MIN	13.04	12.10	11.61	13.06	11.62	13.16	13.19	13.06	13.17	13.48	13.19	13.12

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE 1/4 NW 1/4 sec.95, T.9 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080103, near center of span on downstream side of bridge on State Highway 31, 1,200 ft above control structure, 1,500 ft downstream from point of diversion from Bayou Teche, 0.4 mi northwest of Ruth, and 2.2 mi south of town of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. Elevations only May 1945 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 150 ft below control structure at same datum. Since July 12, 1973, water-stage recorder for Ruth Canal at Ruth (station 07386705) used as auxiliary gage for this station. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges. Records good. Total flow through control structure diverted from Bayou Teche for irrigation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s, Apr. 21, 1966; maximum daily reverse flow, 38 ft³/s, July 28, 1989 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 ft³/s, June 1, 1982.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	230	106	91	103	242	277	386	e290	211	174	353
2	324	190	105	91	105	239	336	386	e290	196	193	353
3	327	102	105	88	106	238	386	384	e290	189	210	353
4	321	104	105	87	108	235	365	379	e280	213	233	353
5	320	105	106	87	108	234	364	371	e300	216	255	350
6	297	107	105	90	107	241	361	368	e330	211	276	348
7	262	106	105	95	109	246	361	377	311	197	290	346
8	271	105	103	99	110	246	366	384	304	186	280	346
9	275	105	103	102	110	267	364	381	296	184	278	348
10	252	104	104	99	110	286	366	382	309	181	294	347
11	252	104	94	97	108	283	367	385	324	181	311	345
12	263	103	91	98	108	283	365	382	342	192	321	345
13	274	103	93	99	105	282	369	379	350	201	330	349
14	277	104	94	98	106	281	383	379	337	362	336	343
15	276	103	96	100	106	278	382	381	310	308	339	344
16	274	102	99	103	106	279	386	382	302	270	343	347
17	275	106	103	106	107	278	383	382	290	248	343	347
18	276	159	106	103	107	279	383	385	277	224	334	347
19	259	234	105	87	107	281	383	340	272	198	343	345
20	229	230	104	88	104	281	386	335	276	201	349	344
21	228	235	104	86	102	279	387	324	291	171	349	345
22	230	234	102	83	109	277	386	e310	306	126	350	349
23	227	193	91	80	111	259	386	e330	316	88	348	353
24	225	103	87	79	171	262	385	e310	322	59	350	351
25	226	102	89	82	246	267	384	e300	327	44	351	351
26	223	100	87	86	244	271	384	e310	327	31	352	350
27	211	99	87	90	243	273	385	e310	333	-26	353	350
28	218	102	88	96	240	275	384	e300	329	-38	352	348
29	223	105	89	99	---	275	384	e300	296	71	347	348
30	226	103	92	102	---	262	386	e300	240	109	349	349
31	229	---	92	104	---	267	---	e300	---	149	352	---
TOTAL	8094	3982	3040	2895	3606	8246	11184	10922	9167	5153	9685	10447
MEAN	261	133	98.1	93.4	129	266	373	352	306	166	312	348
MAX	327	235	106	106	246	286	387	386	350	362	353	353
MIN	211	99	87	79	102	234	277	300	240	-26	174	343
AC-FT	16050	7900	6030	5740	7150	16360	22180	21660	18180	10220	19210	20720
CAL YR 1988	TOTAL 88282		MEAN 241		MAX 375		MIN 78		AC-FT 175100			
WTR YR 1989	TOTAL 86421		MEAN 237		MAX 387		MIN -26		AC-FT 171400			

e Estimated.

MISSISSIPPI RIVER DELTA

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07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.62	9.67	9.80	11.66	10.25	9.98	10.20	9.34	---	12.37	10.31	9.18
2	10.08	9.92	9.79	11.64	10.27	10.08	10.16	9.31	---	12.23	10.23	9.11
3	10.26	10.15	9.80	11.34	10.35	10.15	9.97	9.35	---	12.09	10.14	9.06
4	9.95	10.33	9.78	11.00	10.25	10.21	9.64	9.49	---	12.41	10.05	9.05
5	9.62	10.35	9.76	10.71	10.05	10.12	9.58	9.81	---	12.47	9.93	9.08
6	9.46	10.30	9.78	10.43	10.00	9.96	9.46	9.61	---	12.33	9.82	9.14
7	9.58	10.23	9.82	10.40	10.05	9.95	9.30	9.49	10.80	12.12	9.74	9.15
8	9.52	10.18	9.80	10.37	10.12	9.98	9.28	9.51	10.71	11.93	10.02	9.10
9	9.53	10.14	9.75	10.36	10.20	9.85	9.26	9.48	10.44	11.72	9.86	9.13
10	9.70	10.12	9.69	10.57	10.27	9.62	9.20	9.39	10.27	11.50	9.70	9.09
11	9.73	10.14	10.44	10.74	10.29	9.58	9.11	9.31	10.13	11.30	9.57	9.08
12	9.62	10.17	10.80	10.70	10.26	9.56	9.15	9.27	10.06	11.20	9.48	9.09
13	9.54	10.19	10.63	10.72	10.25	9.53	9.24	9.27	9.95	11.09	9.44	9.17
14	9.50	10.21	10.27	10.81	10.21	9.55	9.42	9.38	10.36	15.00	9.38	9.17
15	9.49	10.25	10.01	10.77	10.14	9.51	9.43	9.39	11.31	14.17	9.31	9.09
16	9.48	10.26	9.90	10.69	10.05	9.50	9.39	9.43	11.09	13.59	9.25	8.98
17	9.47	10.26	9.89	10.61	9.99	9.54	9.36	9.57	10.87	13.32	9.23	8.94
18	9.46	10.20	9.97	10.89	9.92	9.55	9.34	10.75	10.60	13.05	9.33	8.94
19	9.50	9.93	10.00	11.91	9.86	9.55	9.32	12.14	10.30	12.78	9.26	8.94
20	9.67	9.73	9.98	11.96	9.84	9.58	9.30	11.73	10.04	13.08	9.21	8.93
21	9.65	9.50	9.80	11.79	9.81	9.55	9.30	11.53	9.87	12.84	9.17	8.95
22	9.65	9.39	9.68	11.46	10.09	9.93	9.33	---	9.74	12.51	9.16	9.02
23	9.69	9.47	10.85	11.11	10.41	10.29	9.37	---	9.67	12.21	9.18	9.03
24	9.73	9.77	11.60	10.82	10.37	10.17	9.39	---	9.57	11.96	9.20	8.95
25	9.68	9.82	11.51	10.61	10.05	9.99	9.40	---	9.43	11.69	9.17	8.96
26	9.82	9.88	11.30	10.41	10.04	9.84	9.39	---	9.32	11.40	9.16	8.97
27	9.96	9.91	11.10	10.27	10.06	9.72	9.40	---	9.88	11.11	9.14	8.96
28	9.93	9.96	10.92	10.32	10.01	9.74	9.38	---	12.67	10.85	9.14	8.96
29	9.90	10.06	10.83	10.40	---	10.08	9.38	---	12.71	10.67	9.24	8.96
30	9.80	9.94	10.71	10.42	---	10.29	9.37	---	12.44	10.53	9.24	8.93
31	9.74	---	11.05	10.36	---	10.24	---	---	---	10.35	9.24	---
MAX	10.26	10.35	11.60	11.96	10.41	10.29	10.20	---	---	15.00	10.31	9.18
MIN	9.46	9.39	9.68	10.27	9.81	9.50	9.11	---	---	10.35	9.14	8.93

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", on line between secs.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 recorders 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.--Estimated daily discharges. Records fair. Discharges are affected by tide at all stages; diversions above and below station for irrigation. No gage-height and velocity record for the periods, Oct. 21, Feb. 14, May 8, June 2, and July 1, 2.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,280 ft³/s, July 17, 1989; maximum gage height 15.02 ft, May 17, 1980; maximum negative discharge, -5,480 ft³/s, July 14, 1989; minimum gage height 0.79 ft, Nov. 20, 1969; no flow at times each year..

EXTREMES FOR CURRENT YEAR.--Maximum positive discharge, 6,280 ft³/s, July 17; maximum gage height, 14.22 ft, July 14; maximum negative discharge, -5,480 ft³/s, July 14; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1590	548	211	1240	592	496	1080	407	758	e3450	1650	835
2	2010	368	137	1280	566	578	802	352	e780	e3850	1710	798
3	2160	298	174	1620	551	624	829	341	751	3680	1700	732
4	2070	320	197	1330	484	442	869	267	730	3150	1520	657
5	1800	412	124	1160	389	652	951	486	872	3480	1410	595
6	1490	361	77	1000	329	566	832	601	1530	3550	1230	604
7	1180	293	126	858	267	426	709	529	2120	3410	1310	687
8	952	354	200	800	130	404	566	e420	2040	3360	1360	699
9	768	407	286	746	200	483	657	409	2100	3280	1060	700
10	1210	341	216	860	204	500	665	486	1810	3100	966	750
11	1340	345	983	879	258	530	592	447	1510	2890	841	711
12	989	252	1260	1040	270	565	545	428	1430	2750	801	726
13	770	299	1120	937	255	526	596	404	1250	2520	754	677
14	600	271	943	993	e320	412	627	430	606	-1640	767	819
15	498	200	635	929	277	480	663	453	1110	1700	1210	894
16	470	270	660	831	285	456	585	429	2270	3330	1360	755
17	473	349	95	700	224	416	561	374	2210	3680	1200	638
18	489	175	54	635	197	464	564	-68	2280	439	1480	600
19	466	325	140	1010	156	396	552	715	2020	1070	1250	595
20	375	453	114	1750	14	315	502	2810	1920	1060	1020	658
21	e400	383	426	2000	279	405	418	2730	1820	1150	872	697
22	426	268	429	2070	290	614	399	2220	1610	1410	814	744
23	387	267	912	2140	248	1060	379	2020	1430	2100	770	736
24	567	167	1900	2050	254	1060	355	1870	1240	2050	808	836
25	472	119	2160	1920	426	900	330	1720	1140	2500	805	700
26	465	107	2500	1720	479	757	381	1540	1080	2300	779	661
27	947	376	2130	1470	526	609	373	1560	550	1980	814	664
28	835	418	1800	1150	600	473	350	1310	-2550	1660	658	693
29	764	191	1820	1090	---	521	399	1130	639	1630	686	698
30	655	231	1570	976	---	1030	415	974	2610	1740	882	736
31	599	---	1530	765	---	1230	---	859	---	2020	901	---
TOTAL	28217	9168	24929	37949	9070	18390	17546	28653	39666	72649	33388	21295
MEAN	910	306	804	1224	324	593	585	924	1322	2344	1077	710
MAX	2160	548	2500	2140	600	1230	1080	2810	2610	3850	1710	894
MIN	375	107	54	635	14	315	330	-68	550	439	658	595

e Estimated.

MISSISSIPPI RIVER DELTA

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07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued
 GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.01	4.05	3.17	8.41	4.90	4.45	6.03	4.72	7.06	---	10.54	5.43
2	7.35	4.18	3.29	8.40	4.59	5.03	6.19	4.56	---	---	10.20	5.23
3	7.38	4.49	3.49	8.43	4.54	5.22	5.95	4.97	7.58	12.04	9.76	5.04
4	7.23	4.66	3.27	8.30	3.54	5.55	5.91	5.67	7.24	12.21	9.36	5.11
5	6.99	4.16	2.87	8.01	3.72	5.40	5.75	6.29	7.93	12.19	8.90	5.46
6	6.56	3.40	3.50	7.47	3.66	4.24	5.59	5.91	8.75	12.06	8.39	5.81
7	5.85	3.61	3.78	6.74	3.03	3.68	5.36	5.39	8.61	12.08	8.06	5.81
8	5.34	4.04	4.11	6.19	3.12	3.76	5.11	---	8.78	11.89	8.57	5.67
9	5.21	3.98	3.76	5.61	3.10	3.94	5.14	5.30	8.60	11.66	8.37	5.63
10	6.16	4.32	3.62	---	3.45	4.25	4.72	4.87	8.27	11.46	7.93	5.58
11	6.08	4.15	6.14	6.36	4.12	4.46	4.31	4.46	7.87	11.26	7.41	5.62
12	5.56	4.63	6.94	6.25	3.95	4.49	4.82	4.70	7.41	11.02	6.99	5.62
13	4.83	4.55	6.59	6.11	4.60	4.48	5.01	4.94	7.03	10.78	6.67	5.69
14	4.70	4.29	6.17	6.23	---	4.75	5.06	5.23	8.08	13.65	6.39	5.87
15	4.84	4.65	5.58	6.02	4.35	4.96	5.11	5.01	9.47	13.88	6.11	5.62
16	4.84	4.84	4.83	5.50	4.08	4.81	4.78	5.01	9.04	13.55	5.89	5.21
17	4.75	3.85	3.96	5.00	3.43	4.97	4.97	5.48	9.00	13.30	5.89	5.10
18	4.62	4.69	3.58	6.19	3.16	4.92	4.88	7.76	8.98	13.12	6.24	5.19
19	4.44	5.15	4.01	9.87	3.33	4.59	4.79	10.38	8.84	12.96	5.90	5.34
20	4.36	4.85	4.32	9.19	4.40	4.83	4.46	9.59	8.53	13.29	5.62	5.32
21	---	3.65	4.08	9.17	4.47	4.81	4.42	9.48	8.12	13.12	5.53	5.27
22	4.19	3.63	4.07	9.13	3.21	5.44	4.68	9.51	7.70	12.90	5.55	5.15
23	4.71	3.54	7.45	9.03	2.38	6.55	4.86	9.47	7.46	12.90	5.72	4.97
24	4.87	3.72	8.84	8.81	2.85	6.44	4.99	9.34	7.19	12.83	5.64	4.58
25	4.71	4.34	8.34	8.34	4.00	6.20	5.08	9.19	6.87	12.51	5.55	4.72
26	5.38	4.84	8.29	7.69	4.19	5.88	5.00	8.97	6.81	12.29	5.52	4.82
27	5.99	4.94	8.17	6.92	4.52	5.69	4.97	8.57	7.80	12.10	5.37	4.87
28	5.70	4.22	7.97	6.28	4.67	5.70	5.03	8.08	12.72	11.73	5.48	5.00
29	5.28	4.08	7.88	5.90	---	6.25	4.99	7.62	12.60	11.37	5.95	4.98
30	4.91	4.09	7.44	5.36	---	6.73	4.83	7.29	12.65	11.01	5.70	4.78
31	4.56	---	7.78	4.95	---	6.46	---	7.05	---	10.66	5.64	---
MAX	---	5.15	8.84	---	---	6.73	6.19	---	---	---	10.54	5.87
MIN	---	3.40	2.87	---	---	3.68	4.31	---	---	---	5.37	4.58

MISSISSIPPI RIVER DELTA

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between secs.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 the Louisiana District Office, Baton Rouge, La.

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.--Estimated daily discharges. Records poor. No velocity records, Oct. 1-17, May 20 to June 19, and Aug. 10-17; no gage-height records, May 20 to June 19. Discharge affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 15,800 ft³/s, Oct. 28, 1985; maximum gage height recorded, 12.06 ft, May 31, 1979; maximum negative discharge recorded, -2,800 ft³/s, Aug. 15, 1985; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,900 ft³/s, June 28, gage height, 10.83 ft; maximum negative discharge, -2,210 ft³/s, Sept. 18; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2000	1020	-116	1300	496	-97	72	492	e900	6070	4070	97
2	e2600	570	-283	848	182	465	384	80	e800	4010	3400	230
3	e3000	143	-319	1040	805	-60	527	232	e700	3160	2860	121
4	e3400	688	-151	1010	78	-90	397	-65	e1400	4290	2610	-253
5	e2800	1390	-283	805	-165	211	810	1360	e1800	4370	3420	381
6	e2400	786	-284	925	305	-35	87	792	e2400	3990	2760	874
7	e1800	-293	-345	523	-133	-272	498	470	e2800	3970	3070	608
8	e1300	-37	-50	664	58	-285	-122	245	e3200	3310	3700	302
9	e1200	179	-233	513	-17	-118	287	344	e2900	3000	2920	-26
10	e1750	513	-724	594	-268	-212	630	779	e2400	2720	e2650	270
11	e2000	777	128	864	103	-83	-130	-19	e1900	3380	e2000	595
12	e1750	160	496	686	-310	-152	35	93	e1700	3230	e1750	-114
13	e1550	153	276	918	-90	-245	360	53	e1400	3340	e1180	-193
14	e1400	-45	299	945	-11	-393	380	139	e1100	9480	e860	800
15	e1100	-324	273	660	169	-195	890	323	e2300	9510	e600	912
16	e900	488	234	278	308	482	8.1	103	e4000	7170	e350	720
17	e750	-43	-153	-15	285	373	363	-70	e3600	4810	e250	152
18	610	-395	-439	1080	22	579	223	1890	e3200	4360	119	290
19	731	-25	-360	2790	-231	538	452	4610	e2850	4110	73	-278
20	303	822	-268	1940	-213	-8.6	290	e4850	2530	7800	42	150
21	841	180	39	1350	477	787	169	e4200	1890	6940	-82	25
22	394	250	-122	960	448	975	230	e3700	1710	4130	-123	482
23	414	195	580	1220	e-200	926	-42	e3100	1590	6320	102	339
24	985	-273	1230	1300	-549	640	7.1	e2400	1690	6590	120	584
25	625	-30	398	1150	-131	326	142	e1800	1750	4380	211	280
26	1280	-316	108	1100	-17	363	225	e2100	2520	4140	159	271
27	1300	437	535	1080	-238	121	69	e1800	3070	4540	-142	183
28	1610	459	950	711	258	-147	107	e1550	9890	3620	502	346
29	1550	-251	406	744	---	515	420	e1350	6560	3020	1210	477
30	1030	457	602	523	---	783	259	e1200	7650	3600	360	358
31	1210	---	1280	333	---	1080	---	e1000	---	2960	245	---
TOTAL	44583	7635	3704	28839	1421	6771.4	8027.2	40901	82200	146320	41246	8983
MEAN	1438	254	119	930	50.7	218	268	1319	2740	4720	1331	299
MAX	3400	1390	1280	2790	805	1080	890	4850	9890	9510	4070	912
MIN	303	-30	39	-15	-11	-8.6	7.1	-19	700	2720	42	25

e Estimated.

MISSISSIPPI RIVER DELTA

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07386980 VERMILION RIVER AT PERRY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.20	3.49	3.22	4.60	4.59	4.25	4.47	3.93	---	8.27	7.25	4.67
2	4.88	4.44	3.71	4.55	4.47	4.60	5.61	4.15	---	7.03	6.38	4.47
3	4.12	5.00	3.79	4.42	4.12	4.85	5.11	4.79	---	6.24	5.45	4.35
4	3.63	5.03	3.31	4.44	2.96	5.36	5.19	5.66	---	6.59	5.14	4.77
5	4.19	3.77	3.02	5.06	3.95	4.11	3.79	5.23	---	6.50	4.76	5.19
6	4.19	3.07	3.87	5.06	3.61	1.90	4.16	4.47	6.71	6.08	4.41	5.47
7	4.22	4.11	3.99	4.99	2.79	2.76	4.07	4.18	5.74	6.14	4.30	5.35
8	4.31	4.29	4.51	4.67	3.29	3.25	4.48	4.44	5.37	5.70	4.43	5.14
9	4.63	4.27	3.61	3.89	3.09	3.27	4.41	4.82	6.24	5.59	4.57	5.12
10	4.39	4.63	4.21	4.74	3.81	3.73	3.50	3.81	6.02	6.00	4.76	4.84
11	4.21	4.22	4.44	4.92	4.25	3.90	3.35	3.91	5.66	5.90	4.64	4.88
12	4.07	4.99	3.89	4.79	4.17	3.91	4.52	4.42	5.74	5.45	4.82	4.95
13	3.83	4.50	4.01	4.13	4.85	4.01	4.50	4.98	5.79	5.21	4.84	5.23
14	4.48	4.45	4.39	4.63	4.54	4.54	4.66	5.20	4.59	7.99	4.81	4.93
15	4.94	5.12	3.76	4.02	4.54	4.59	4.42	4.74	4.23	9.19	4.70	4.20
16	4.85	4.77	2.60	3.81	4.05	4.42	4.38	4.94	5.22	7.79	4.70	4.05
17	4.72	3.68	3.18	4.09	3.46	4.70	4.65	5.70	4.87	6.31	4.75	4.42
18	4.61	5.36	3.80	4.94	3.35	4.57	4.55	6.71	5.18	5.92	4.60	4.66
19	4.36	5.38	4.26	6.95	3.77	4.16	4.25	7.83	4.84	5.82	4.49	4.98
20	4.62	3.84	4.50	5.66	5.07	4.90	3.69	---	4.66	7.69	4.54	4.86
21	4.62	3.04	4.17	4.36	4.17	4.06	3.97	---	4.80	7.43	4.79	4.92
22	4.37	3.54	4.30	4.87	2.05	3.45	4.32	---	5.12	6.40	5.14	4.47
23	5.21	3.44	5.52	4.88	1.20	3.65	4.59	---	5.50	7.51	5.32	4.31
24	4.61	4.07	5.33	5.10	3.00	4.35	4.70	---	5.53	7.77	4.97	3.39
25	4.86	4.71	4.58	4.79	3.66	4.79	4.77	---	5.50	6.53	4.80	4.08
26	5.05	5.33	5.08	4.61	3.83	4.95	4.52	---	5.84	6.41	4.90	4.27
27	4.93	4.31	5.40	4.29	4.44	5.16	4.59	---	6.91	6.35	4.69	4.45
28	4.97	3.04	4.15	4.76	4.12	5.47	4.67	---	9.97	5.74	4.79	4.56
29	4.41	4.35	4.25	4.67	---	5.41	4.40	---	10.17	5.64	5.01	4.46
30	4.47	3.84	4.84	4.31	---	4.80	4.35	---	9.44	5.62	4.74	4.00
31	4.11	---	4.88	4.24	---	3.83	---	---	---	5.88	4.76	---
MAX	5.21	5.38	5.52	6.95	5.07	5.47	5.61	---	---	9.19	7.25	5.47
MIN	3.63	3.04	2.60	3.81	1.20	1.90	3.35	---	---	5.21	4.30	3.39

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

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 downstream side of bridge of eastbound lane on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

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

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water stage recorder. Datum of gage is 14.84 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers levels). Prior to Mar. 23, 1989, non-recording gage read twice daily. Prior to Dec. 12, 1987, water-stage recorder at same site and datum. 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.--Records poor. Small diversion above station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 272 ft³/s, 28.20 in/yr, 197.100 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, 9,060 ft³/s, Dec. 25, gage height, 21.00 ft, from graph based on gage readings; minimum daily discharge, 2.0 ft³/s, Sept. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	416	69	70	1090	18	24	433	198	8.9	3350	142	11		
2	227	55	61	306	17	313	128	87	12	1810	131	8.5		
3	156	27	31	114	23	375	90	44	30	2260	97	7.8		
4	97	20	21	46	44	284	123	47	103	3580	61	7.7		
5	44	18	15	53	93	219	185	420	1410	3400	42	7.8		
6	28	12	8.7	53	172	145	163	354	2030	2230	25	e9.0		
7	22	9.8	8.7	39	124	103	124	108	769	1130	23	e12		
8	20	8.5	8.1	100	82	66	115	61	498	978	220	e14		
9	28	17	17	496	38	36	144	50	260	459	94	e20		
10	63	16	225	2250	21	50	121	32	100	239	46	e25		
11	161	15	790	1040	12	24	66	16	309	142	28	e30		
12	55	13	2000	729	55	20	70	10	222	153	21	e35		
13	20	11	1730	945	38	15	85	68	69	121	19	e25		
14	11	25	753	908	17	10	84	130	667	1710	15	e35		
15	9.2	38	1130	365	10	8.3	220	68	2680	3490	14	e30		
16	7.9	58	781	222	10	7.9	184	54	2060	2160	14	e20		
17	7.8	53	234	95	8.5	7.9	130	107	719	906	12	e13		
18	8.1	42	46	330	8.5	8.5	104	675	152	331	56	e10		
19	8.8	48	35	1250	6.8	e20	85	2880	78	198	29	e7.0		
20	8.8	46	24	856	17	e50	53	3270	48	222	17	e5.0		
21	9.2	33	25	548	37	e120	31	2300	28	212	13	e4.0		
22	7.9	24	21	207	14	e600	42	895	28	167	14	e3.0		
23	9.2	21	44	107	9.4	632	60	347	57	265	14	e2.5		
24	12	18	4990	98	8.5	206	66	137	52	408	17	e2.0		
25	12	17	6000	93	10	81	64	71	37	279	49	e2.5		
26	114	105	2590	57	15	57	41	39	48	198	52	e3.0		
27	242	169	1730	29	8.3	400	42	31	644	281	35	e3.5		
28	207	152	795	42	8.3	313	93	25	2480	165	19	e4.0		
29	164	152	557	57	---	1020	351	18	3940	125	13	e6.0		
30	181	105	921	31	---	2600	173	20	4270	113	19	e5.0		
31	151	---	1250	21	---	1640	---	12	---	93	15	---		
TOTAL	2507.9	1397.3	26911.5	12577	925.3	9455.6	3670	12574	23808.9	31175	1366	368.3		
MEAN	80.9	46.6	868	406	33.0	305	122	406	794	1006	44.1	12.3		
MAX	416	169	6000	2250	172	2600	433	3270	4270	3580	220	35		
MIN	7.8	8.5	8.1	21	6.8	7.9	31	10	8.9	93	12	2.0		
AC-FT	4970	2770	53380	24950	1840	18760	7280	24940	47220	61840	2710	731		
CFSM	.62	.36	6.63	3.10	.25	2.33	.93	3.10	6.06	7.68	.34	.09		
IN.	.71	.40	7.64	3.57	.26	2.69	1.04	3.57	6.76	8.85	.39	.10		
CAL YR 1988	TOTAL 130287.4		MEAN 356		MAX 6640		MIN 2.0		AC-FT 258400		CFSM 2.72		IN. 37.00	
WTR YR 1989	TOTAL 126736.8		MEAN 347		MAX 6000		MIN 2.0		AC-FT 251400		CFSM 2.65		IN. 35.99	

e Estimated.

MERMENTAU RIVER BASIN

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08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.50	3.38	3.40	13.39	2.00	2.27	8.40	5.83	1.62	17.35	4.91	1.72
2	6.29	3.00	3.16	7.32	1.95	7.40	4.65	3.78	1.74	15.31	4.71	1.60
3	5.18	2.28	2.40	4.39	2.15	8.10	3.88	2.73	2.30	16.10	4.03	1.56
4	4.04	2.06	2.10	2.80	2.75	7.05	4.55	2.81	4.05	17.57	3.15	1.56
5	2.76	1.99	1.90	2.95	3.95	6.18	5.66	8.36	12.04	17.41	2.69	1.56
6	2.32	1.79	1.61	2.96	5.45	4.98	5.28	7.70	15.66	16.03	2.21	---
7	2.13	1.67	1.61	2.61	4.60	4.17	4.58	4.25	11.31	13.48	2.13	---
8	2.06	1.60	1.58	4.10	3.70	3.30	4.41	3.17	9.26	12.85	6.13	---
9	2.30	1.96	1.95	9.25	2.60	2.54	4.96	2.88	6.60	8.83	3.95	---
10	3.23	1.92	7.26	16.20	2.10	2.90	4.50	2.42	4.09	6.41	2.79	---
11	5.26	1.88	11.77	13.23	1.75	2.20	3.29	1.91	6.94	4.92	2.30	---
12	3.00	1.81	15.80	11.25	3.00	2.05	3.41	1.68	6.06	5.11	2.10	---
13	2.05	1.72	15.20	12.84	2.60	1.90	3.78	3.06	3.36	4.53	2.02	---
14	1.73	2.22	11.45	12.60	1.95	1.70	3.73	4.67	8.19	12.44	1.90	---
15	1.64	2.60	13.50	8.00	1.70	1.59	6.15	3.35	16.69	17.49	1.85	---
16	1.57	3.08	11.68	6.22	1.70	1.57	5.63	2.98	15.70	15.91	1.85	---
17	1.56	2.96	6.39	4.00	1.60	1.57	4.69	4.19	10.89	12.10	1.77	---
18	1.58	2.70	2.80	7.61	1.60	1.60	4.18	8.90	5.05	7.54	3.03	---
19	1.62	2.84	2.50	13.85	1.50	---	3.76	16.88	3.59	5.85	2.34	---
20	1.62	2.79	2.20	12.25	1.95	---	2.97	17.29	2.84	6.17	1.94	---
21	1.64	2.45	2.21	9.72	2.55	---	2.40	16.11	2.31	6.06	1.80	---
22	1.57	2.18	2.10	6.00	1.85	---	2.70	12.09	2.30	5.35	1.84	---
23	1.64	2.10	2.74	4.25	1.65	10.45	3.15	7.66	3.06	6.30	1.84	---
24	1.76	2.00	18.70	4.05	1.60	5.86	3.30	4.81	2.93	8.32	1.97	---
25	1.76	1.96	19.38	3.95	1.70	3.67	3.24	3.42	2.57	6.98	2.85	---
26	4.40	4.60	16.60	3.05	1.89	3.06	2.66	2.62	2.79	5.85	2.94	---
27	6.50	5.40	15.20	2.35	1.59	8.09	2.70	2.40	10.41	6.99	2.50	---
28	6.00	5.10	11.80	2.70	1.59	7.27	3.79	2.20	16.12	5.30	2.01	---
29	5.31	5.10	9.80	3.05	---	11.15	7.82	1.98	17.87	4.60	1.81	---
30	5.60	4.20	12.68	2.40	---	16.61	5.43	2.04	18.14	4.35	2.03	---
31	5.08	---	13.85	2.10	---	14.77	---	1.75	---	3.95	1.88	---
MAX	8.50	5.40	19.38	16.20	5.45	---	8.40	17.29	18.14	17.57	6.13	---
MIN	1.56	1.60	1.58	2.10	1.50	---	2.40	1.68	1.62	3.95	1.77	---

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

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.

DRAINAGE AREA.--527 mi².

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

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.

REMARKS.--No estimated daily discharges. Records poor. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 1,134 ft³/s, 21.47 in/yr, 603,500 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, 13,600 ft³/s, July 4; maximum gage height, 26.99 ft, July 5; minimum discharge, 4.1 ft³/s, Dec. 10; minimum gage height, 1.38 ft, Sept. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1100	76	35	1750	207	77	3450	1860	382	12400	366	50
2	1150	51	26	2300	185	285	3120	1830	265	12400	596	47
3	1380	37	18	2360	186	1220	2620	1460	678	12000	516	35
4	1160	28	13	2090	188	1560	2160	984	822	13200	287	26
5	638	21	10	1700	185	1380	1800	858	1060	13500	155	20
6	299	16	8.4	1200	236	972	1300	1360	1490	12600	95	16
7	139	14	6.9	689	447	606	721	1630	1530	10700	78	15
8	70	12	5.7	392	406	369	383	1500	1300	8630	92	19
9	42	9.8	4.7	474	282	246	237	1130	1360	6940	73	20
10	36	7.6	5.9	1700	211	178	209	629	1380	5660	58	18
11	98	10	270	2730	168	135	185	293	1210	4800	55	26
12	137	22	983	3140	136	108	165	155	1110	4200	63	37
13	81	19	961	3160	116	90	144	109	985	3610	53	38
14	44	13	643	3100	107	75	141	137	1160	3910	42	33
15	28	10	369	2980	107	77	178	212	2060	4280	40	38
16	20	10	300	2660	107	64	274	153	2960	3980	32	31
17	15	15	338	2240	102	58	264	115	3060	3280	26	23
18	11	14	256	2000	101	70	209	593	2700	2460	22	17
19	11	13	169	2390	97	76	200	2460	2260	1820	44	13
20	10	11	115	3200	86	56	197	4390	1880	1240	37	11
21	10	8.9	85	3590	90	48	176	5330	1510	752	27	8.3
22	10	8.4	84	3500	235	353	157	5480	1050	480	22	6.8
23	8.5	8.8	543	3080	344	1170	129	5410	559	339	23	5.7
24	8.2	8.6	1730	2540	318	1520	123	5160	281	263	20	5.1
25	11	7.5	2550	2070	245	1410	113	4760	161	237	22	4.7
26	37	7.5	2780	1650	173	1200	125	4280	130	253	56	4.5
27	213	9.7	2520	1100	124	1200	125	3750	1270	336	58	4.6
28	364	61	2130	602	97	1480	158	3170	4510	468	39	5.4
29	259	62	1920	353	---	1820	1020	2480	7920	392	29	6.3
30	194	42	1710	247	---	2640	1690	1580	11100	266	29	6.4
31	124	---	1390	213	---	3420	---	804	---	162	45	---
TOTAL	7707.7	633.8	21979.6	61200	5286	23963	21773	64062	58143	145558	3100	590.8
MEAN	249	21.1	709	1974	189	773	726	2067	1938	4695	100	19.7
MAX	1380	76	2780	3590	447	3420	3450	5480	11100	13500	596	50
MIN	8.2	7.5	4.7	213	86	48	113	109	130	162	20	4.5
AC-FT	15290	1260	43600	121400	10480	47530	43190	127100	115300	288700	6150	1170
CFSM	.47	.04	1.35	3.75	.36	1.47	1.38	3.92	3.68	8.91	.19	.04
IN.	.54	.04	1.55	4.32	.37	1.69	1.54	4.52	4.10	10.27	.22	.04
CAL YR 1988	TOTAL 293540.1	MEAN 802	MAX 9240	MIN 4.6	AC-FT 582200	CFSM 1.52	IN. 20.72					
WTR YR 1989	TOTAL 413996.9	MEAN 1134	MAX 13500	MIN 4.5	AC-FT 821200	CFSM 2.15	IN. 29.22					

MERMENTAU RIVER BASIN

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08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.63	3.71	2.78	16.52	5.20	3.08	19.95	16.89	7.77	26.32	7.42	3.07
2	13.90	3.20	2.47	18.08	4.87	6.04	19.48	16.80	6.39	26.32	9.92	3.01
3	15.01	2.83	2.19	18.21	4.88	14.18	18.68	15.40	10.60	26.12	9.16	2.68
4	13.90	2.54	1.99	17.54	4.91	15.93	17.74	12.88	11.79	26.73	6.67	2.38
5	10.24	2.30	1.87	16.38	4.86	15.02	16.70	12.02	13.23	26.93	4.89	2.19
6	6.82	2.14	1.80	14.13	5.65	12.80	14.62	14.94	15.60	26.43	3.95	2.03
7	4.68	2.07	1.73	10.68	8.43	9.98	10.94	16.17	15.76	25.40	3.65	2.01
8	3.59	1.97	1.66	7.90	7.95	7.57	7.80	15.60	14.64	24.25	3.90	2.15
9	2.99	1.85	1.60	8.50	6.34	5.99	6.04	13.74	14.93	23.21	3.58	2.18
10	2.81	1.76	1.65	16.20	5.27	4.98	5.66	10.15	15.03	22.31	3.27	2.12
11	4.00	1.87	6.12	18.86	4.60	4.30	5.30	6.74	14.22	21.54	3.20	2.39
12	4.67	2.35	12.89	19.51	4.10	3.83	4.99	4.83	13.69	20.88	3.38	2.75
13	3.79	2.26	12.77	19.54	3.76	3.51	4.66	4.06	12.94	20.16	3.15	2.77
14	3.02	2.00	10.30	19.46	3.61	3.24	4.62	4.53	13.76	20.51	2.89	2.62
15	2.57	1.86	7.65	19.28	3.60	3.27	5.19	5.70	17.41	20.98	2.83	2.77
16	2.27	1.88	6.86	18.75	3.60	3.03	6.54	4.80	19.24	20.62	2.58	2.55
17	2.08	2.09	7.32	17.93	3.52	2.89	6.40	4.18	19.39	19.70	2.40	2.28
18	1.91	2.07	6.30	17.31	3.48	3.14	5.65	8.72	18.83	18.37	2.24	2.06
19	1.92	1.99	5.11	18.24	3.42	3.25	5.53	18.18	17.98	16.73	2.94	1.92
20	1.88	1.90	4.34	19.59	3.23	2.84	5.49	21.08	16.93	14.32	2.74	1.80
21	1.87	1.82	3.87	20.13	3.30	2.66	5.16	22.06	15.64	11.21	2.43	1.69
22	1.88	1.79	3.85	20.01	5.62	6.97	4.86	22.18	13.28	8.82	2.25	1.62
23	1.80	1.81	8.89	19.43	7.18	13.90	4.42	22.13	9.54	7.32	2.26	1.56
24	1.79	1.80	16.37	18.55	6.83	15.71	4.32	21.91	6.60	6.40	2.18	1.52
25	1.90	1.75	18.55	17.50	5.79	15.17	4.14	21.50	4.92	6.05	2.25	1.49
26	2.73	1.75	18.97	16.20	4.69	14.13	4.36	20.98	4.43	6.26	3.20	1.48
27	5.67	1.85	18.50	13.56	3.91	14.17	4.36	20.34	13.18	7.27	3.28	1.49
28	7.61	3.39	17.65	9.93	3.42	15.56	4.79	19.55	21.13	8.71	2.79	1.54
29	6.34	3.45	17.08	7.28	---	16.76	12.93	18.41	23.80	7.92	2.50	1.59
30	5.46	2.99	16.42	5.82	---	18.69	16.35	15.81	25.65	6.43	2.50	1.60
31	4.47	---	15.09	5.30	---	19.90	---	11.57	---	4.99	2.96	---
MAX	15.01	3.71	18.97	20.13	8.43	19.90	19.95	22.18	25.65	26.93	9.92	3.07
MIN	1.79	1.75	1.60	5.30	3.23	2.66	4.14	4.06	4.43	4.99	2.18	1.48

MERMENTAU RIVER BASIN

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 Nezpique 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 0.54 ft below National Geodetic Vertical Datum of 1929. Prior to October 1988, 1.12 ft below National Geodetic Vertical Datum of 1929, (when datum is applied to gage heights as published). Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--Estimated daily discharges. Records fair. Discharge is affected by tide and wind at medium and low stages. No gage-height record, Jan. 28 to Feb. 7, and Aug. 23, 24; no velocity record, Nov. 26 to Dec. 7, Jan. 28 to Feb. 7, and Aug. 19-24.

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 discharge, 38,200 ft³/s, July 5; maximum gage height, 8.13 ft, July 6; maximum negative discharge recorded, -2,740 ft³/s, Nov. 19; but may have been higher during the periods of no gage-height or velocity record; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2380	689	e1400	10200	e2400	661	5300	3090	5550	6900	1260	875
2	3620	138	e1200	9250	e2000	820	5140	3090	4410	7120	5400	952
3	3480	-126	e800	7780	e1800	1570	5880	2990	1380	7620	7360	1380
4	2520	-114	e600	5170	e1400	2700	6040	2160	1730	14500	4390	1550
5	2170	1700	e300	3520	e1200	3740	6490	3870	2820	32600	1660	1480
6	1770	915	e350	4320	e900	3440	4780	3350	5760	29100	1550	1290
7	1030	336	e400	3460	e1800	3420	4640	2790	5310	28200	924	1590
8	179	78	516	3880	2400	2900	2040	1670	6440	22700	1530	1660
9	-424	484	356	2510	3300	2400	3490	2270	6020	18700	3350	1880
10	931	607	517	2330	877	1930	1510	3280	4670	15400	3140	2050
11	782	929	2870	3010	961	1320	1140	1860	3930	12200	1310	1550
12	1260	324	4250	3970	1860	1060	828	866	3350	10600	1080	1000
13	583	1560	3460	4720	2030	694	635	898	2380	7750	806	-453
14	375	698	3290	5030	1570	743	363	1110	3420	6920	402	406
15	687	-226	5570	5100	336	1490	1470	1080	7960	8720	704	686
16	1050	1760	4930	4990	1520	1680	646	401	7930	9650	802	123
17	1660	1740	4860	4960	1820	843	1310	-128	6980	10400	501	142
18	405	585	3710	4790	1720	1170	982	4940	7930	9750	401	200
19	998	-358	3450	10000	1160	1560	1190	12900	6290	8690	e300	-58
20	335	1530	2870	11100	-103	964	1120	13800	5140	7120	e200	-158
21	611	866	2850	11900	1780	2990	885	13900	4660	6490	e100	-67
22	152	1000	2500	11300	1480	4020	198	11600	4800	5920	e-100	5.7
23	-4.3	892	5280	8670	1380	3570	-285	11700	3670	3660	e-250	447
24	1040	704	7170	5760	1030	2710	-79	9880	2730	3090	e-150	237
25	101	-22	7140	4230	933	2400	-59	8970	1070	2370	-51	484
26	587	e-200	6290	6040	629	2670	236	9110	1600	2390	349	4.0
27	1060	e800	5360	5220	777	2600	-130	9650	5680	3980	124	109
28	1670	e1700	8310	e4500	1110	1730	128	8560	9710	3320	1320	21
29	1660	e1500	7900	e3700	---	4980	698	7950	13200	2290	2700	173
30	1340	e1200	6280	e3200	---	8050	2650	6780	10600	840	1650	50
31	1160	---	8180	e2800	---	7470	---	5740	---	1600	1010	---
TOTAL	35167.7	21689	112959	177410	40070	78295	59236	170127	157120	310590	43772	19608.7
MEAN	1134	723	3644	5723	1431	2526	1975	5488	5237	10020	1412	654
MAX	3620	1760	8310	11900	3300	8050	6490	13900	13200	32600	7360	2050
MIN	-4.3	-22	300	2330	-103	661	-59	-128	1070	840	-51	4.0

e Estimated.

MERMENTAU RIVER BASIN

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08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.20	1.07	2.43	---	1.09	2.16	1.37	2.16	6.23	2.99	1.91
2	1.80	1.23	1.12	2.47	---	1.18	2.39	1.47	2.15	6.54	3.18	1.82
3	1.65	1.24	1.09	2.44	---	1.32	2.47	1.59	2.28	6.62	3.03	1.71
4	1.60	1.24	.99	2.20	---	1.49	2.42	1.76	2.35	7.11	2.89	1.66
5	1.61	1.24	1.00	2.23	---	1.31	2.13	1.87	2.35	7.96	2.77	1.68
6	1.55	1.22	1.00	2.24	---	1.12	2.14	1.76	2.39	8.10	2.62	1.80
7	1.50	1.23	1.10	2.21	---	1.14	2.02	1.70	2.43	7.92	2.44	1.81
8	1.54	1.24	1.01	1.95	1.25	1.26	2.18	1.79	2.49	7.49	2.29	1.84
9	1.62	1.36	.77	1.64	1.26	1.27	1.71	1.89	2.33	6.90	2.18	1.87
10	1.54	1.39	.94	1.78	1.46	1.33	1.39	1.58	2.24	6.23	2.14	1.82
11	1.59	1.28	1.09	2.00	1.47	1.36	1.49	1.49	2.28	5.53	2.06	1.83
12	1.44	1.47	1.14	2.08	1.48	1.37	1.55	1.52	2.28	4.87	2.00	1.86
13	1.44	1.29	1.27	1.95	1.60	1.44	1.56	1.56	2.23	4.36	1.96	1.87
14	1.49	1.36	1.37	2.06	1.59	1.54	1.68	1.68	2.34	4.11	1.95	1.86
15	1.51	1.50	1.25	2.08	1.60	1.39	1.72	1.69	2.85	4.29	1.93	1.69
16	1.52	1.21	1.12	1.98	1.44	1.26	1.80	1.78	2.94	4.52	1.88	1.67
17	1.49	1.05	1.26	1.97	1.29	1.40	1.81	1.88	2.94	4.63	1.86	1.72
18	1.46	1.29	1.33	2.16	1.22	1.33	1.79	2.23	2.89	4.48	1.84	1.70
19	1.40	1.43	1.41	3.03	1.33	1.26	1.70	3.09	2.68	4.09	1.87	1.68
20	1.44	1.04	1.41	3.24	1.63	1.50	1.59	3.35	2.46	4.06	1.90	1.68
21	1.33	.95	1.38	3.26	1.33	1.10	1.61	3.39	2.36	3.99	1.87	1.64
22	1.39	.98	1.41	3.27	1.01	1.20	1.62	3.46	2.34	3.81	1.85	1.57
23	1.47	1.04	1.54	3.01	.90	1.46	1.67	3.44	2.36	3.60	---	1.38
24	1.29	1.13	1.85	2.78	1.08	1.58	1.68	3.22	2.32	3.52	---	1.16
25	1.41	1.18	1.88	2.58	1.21	1.64	1.69	3.10	2.31	3.37	1.91	1.27
26	1.38	1.41	1.98	2.29	1.31	1.74	1.62	2.98	2.45	3.31	1.90	1.27
27	1.34	1.06	2.20	2.17	1.38	1.84	1.61	2.75	3.36	3.35	1.90	1.32
28	1.35	1.00	2.21	---	1.07	2.08	1.60	2.50	4.40	3.15	1.90	1.35
29	1.35	1.15	2.01	---	---	2.37	1.52	2.31	5.11	3.02	1.97	1.31
30	1.35	1.07	1.99	---	---	2.48	1.45	2.24	5.77	2.91	1.96	1.32
31	1.30	---	2.21	---	---	2.23	---	2.19	---	2.75	1.94	---
MAX	1.80	1.50	2.21	---	---	2.48	2.47	3.46	5.77	8.10	---	1.91
MIN	1.29	.95	.77	---	---	1.09	1.39	1.37	2.15	2.75	---	1.16

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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (µS/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (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 KF AGAR (COLS. PER 100 ML)
OCT 26...	1000	587	140	6.55	22.0	100	3.9	1.6	2.0	K40	84
JAN 12...	1030	3970	132	6.93	14.5	200	80	4.1	1.2	160	330
APR 10...	1000	1510	173	7.45	18.5	300	230	3.0	2.6	--	220
JUL 18...	1230	9750	54	6.75	27.0	80	20	3.7	2.1	230	360

DATE	HARD-NESS TOTAL (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 WAT WH TOT FET 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)
OCT 26...	39	10	3.3	11	5.9	41	13	12	0.1	9.0	94
JAN 12...	34	8.6	3.1	11	3.8	37	4.4	13	0.1	9.1	107
APR 10...	44	11	3.9	15	3.2	47	4.0	16	0.2	8.6	126
JUL 18...	17	4.5	1.4	3.0	1.7	20	1.0	3.9	0.1	4.7	41

DATE	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-PHOROUS TOTAL (MG/L AS P)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (µG/L AS Al)
OCT 26...	89	0.05	0.35	0.10	0.10	0.9	0.22	0.12	0.10	90
JAN 12...	74	0.01	0.14	0.19	0.17	1.1	0.27	0.14	0.08	370
APR 10...	91	0.02	0.34	0.25	0.18	2.8	0.36	0.11	0.08	270
JUL 18...	33	0.01	0.20	0.08	0.07	0.8	0.14	0.09	0.07	130

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

MERMENTAU RIVER BASIN

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08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	ARSENIC DIS- SOLVED (µG/L AS AS)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
OCT 26...	2	79	0.7	<1	<1	<3	2	180	<5	<4	62
JAN 12...	2	79	<0.5	<1	<1	<3	1	460	<5	<4	76
APR 10...	1	100	<0.5	<1	1	<3	4	350	<5	<4	110
JUL 18...	2	51	<0.5	<1	<1	<3	2	210	1	<4	36

DATE	MERCURY DIS- SOLVED (µG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 26...	<0.1	<10	1	<1	<1	56	<6	6	46	73	86
JAN 12...	<0.1	<10	4	<1	<1	56	<6	8	81	868	97
APR 10...	<0.1	<10	4	<1	1	76	<6	16	248	1010	96
JUL 18...	<0.1	<10	<1	<1	<1	30	<6	12	33	869	99

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

MERMENTAU RIVER BASIN

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 current year. Unpublished records, December 1982 to September 1985, available in files of the Louisiana District Office, Baton Rouge, La.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft below National Geodetic Vertical Datum of 1929. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site. Prior to Oct. 1, 1987, at datum 6.60 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum positive discharge, 6,980 ft³/s, Oct. 31, 1985; maximum gage height, 12.01 ft, Nov. 2, 1985; maximum negative discharge, -919 ft³/s, Feb. 14, 1986; no flow many days each year, 1986-89.

EXTREMES FOR CURRENT YEAR.--Maximum daily positive discharge (recorded), 4,980 ft³/s, June 30; maximum daily negative discharge (recorded), -96 ft³/s, Nov. 19; no flow many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	-33	-33	---	97	18	---	45	62	3880	505	183
2	280	-60	-51	---	86	28	---	2.3	326	2620	697	89
3	187	-86	-37	---	81	39	---	-20	627	2520	563	78
4	120	-75	-24	---	137	-35	---	-.29	824	2800	375	63
5	59	-12	-44	---	74	65	---	110	661	4310	289	23
6	-4.1	-44	---	---	55	65	---	230	670	4280	210	88
7	-19	-96	---	---	54	24	---	168	590	4150	172	89
8	-54	-51	---	---	51	41	---	47	381	3540	250	65
9	-30	-69	---	---	36	19	---	43	271	2860	198	43
10	250	-46	---	---	34	---	---	78	164	2260	116	88
11	222	-50	---	---	48	---	---	21	61	1810	98	80
12	123	-88	---	---	45	---	---	-14	32	1450	57	58
13	50	-18	---	2710	14	---	---	-36	30	1060	51	93
14	-35	-56	---	2280	29	---	---	74	158	1120	47	182
15	-51	-85	---	442	38	---	---	92	1380	2350	39	133
16	-52	-2.7	---	340	79	---	---	-4.2	2240	2810	49	67
17	-63	-48	---	214	69	---	---	-48	1740	2430	38	30
18	-56	-93	---	245	60	---	185	51	1190	1820	125	21
19	-49	-96	---	1650	66	---	147	1350	808	1190	165	-4.4
20	-81	-9.6	---	2970	-41	---	112	2380	614	2070	95	14
21	-21	-28	---	3060	104	---	66	2530	393	4010	75	21
22	-74	-41	---	2230	66	---	40	1840	274	3620	92	29
23	-69	-44	---	1490	24	---	15	1180	190	3130	206	40
24	-36	-57	---	997	69	---	28	712	300	3080	433	19
25	-82	-62	---	705	23	---	25	390	268	2670	675	17
26	-39	-92	---	477	74	---	31	158	308	2000	631	16
27	23	-.74	---	345	14	---	7.9	139	1280	2090	479	14
28	23	-26	---	242	39	---	40	142	3000	1770	279	23
29	106	-60	---	174	---	---	43	77	4720	1290	402	23
30	41	-22	---	154	---	---	68	-13	4980	842	438	13
31	-.81	---	---	92	---	---	---	-17	---	550	279	---
TOTAL	807.09	-1549.56	---	---	1525	---	---	11706.81	28542	76382	8128	1697.6
MEAN	26.0	-51.7	---	---	54.5	---	---	378	951	2464	262	56.6
MAX	280	-96	---	---	137	---	---	2530	4980	4310	697	183
MIN	-.81	.74	---	---	14	---	---	-.29	30	550	38	-4.4

MERMENTAU RIVER BASIN

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08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.78	4.03	3.82	---	4.84	3.85	---	4.15	4.93	9.69	5.95	4.96
2	5.15	4.15	3.88	---	4.82	3.92	---	4.18	5.22	9.35	6.33	4.72
3	5.02	4.23	3.90	---	4.80	4.05	---	4.28	5.67	8.95	6.16	4.52
4	4.75	4.31	3.82	---	4.51	4.19	---	4.41	5.93	9.05	5.89	4.43
5	4.52	4.18	3.76	---	4.29	4.12	---	4.73	5.86	10.07	5.65	4.43
6	4.36	4.04	---	---	4.14	3.87	---	4.79	5.83	10.23	5.43	4.59
7	4.30	4.15	---	---	4.02	3.88	---	4.65	5.79	10.21	5.25	4.64
8	4.31	4.20	---	---	4.04	3.99	---	4.54	5.58	9.92	5.17	4.61
9	4.43	4.15	---	---	4.02	4.02	---	4.64	5.35	9.46	5.04	4.64
10	4.91	4.17	---	---	4.20	4.07	---	4.47	5.11	8.92	4.90	4.64
11	5.06	4.04	---	---	4.24	---	---	4.23	5.02	8.39	4.79	4.61
12	4.81	4.19	---	---	4.23	---	---	4.23	5.02	7.86	4.72	4.63
13	4.45	4.12	---	5.27	4.32	---	---	4.26	4.96	7.38	4.70	4.67
14	4.29	4.10	---	5.37	4.34	---	---	4.47	5.15	7.25	4.66	4.84
15	4.28	4.19	---	5.33	4.37	---	---	4.54	6.49	7.90	4.63	4.62
16	4.29	4.11	---	5.14	4.28	---	---	4.49	7.22	8.27	4.62	4.44
17	4.26	3.80	---	4.93	4.08	---	---	4.58	7.02	8.13	4.64	4.47
18	4.23	3.99	---	4.99	4.02	---	4.75	5.02	6.56	7.74	4.71	4.46
19	4.18	4.10	---	6.68	4.08	---	4.64	6.62	6.12	7.28	4.76	4.43
20	4.17	3.94	---	7.89	4.25	---	4.44	7.62	5.71	7.90	4.65	4.44
21	4.14	3.72	---	8.13	4.31	---	4.38	7.73	5.35	8.73	4.58	4.41
22	4.14	3.74	---	7.71	3.92	---	4.38	7.33	5.15	8.51	4.57	4.34
23	4.23	3.79	---	7.11	3.67	---	4.41	6.79	5.16	8.19	4.84	4.21
24	4.09	3.88	---	6.58	3.81	---	4.43	6.32	5.20	8.06	5.31	3.92
25	4.16	3.92	---	6.16	3.96	---	4.45	5.95	5.16	7.78	5.70	4.04
26	4.20	4.10	---	5.81	4.02	---	4.38	5.71	5.36	7.36	5.71	4.02
27	4.32	3.95	---	5.50	4.10	---	4.34	5.48	6.73	7.33	5.53	4.08
28	4.33	3.77	---	5.23	3.92	---	4.36	5.24	8.12	7.15	5.21	4.11
29	4.44	3.91	---	5.08	---	---	4.31	5.02	9.31	6.69	5.34	4.07
30	4.30	3.82	---	4.96	---	---	4.24	4.95	9.78	6.28	5.51	4.08
31	4.12	---	---	4.84	---	---	---	4.90	---	5.94	5.26	---
MAX	5.15	4.31	---	---	4.84	---	---	7.73	9.78	10.23	6.33	4.96
MIN	4.09	3.72	---	---	3.67	---	---	4.15	4.93	5.94	4.57	3.92

MERMENTAU RIVER BASIN

08012400 MERMENTAU RIVER AT LAKE ARTHUR, LA

LOCATION.--Lat 30°04'18", long 92°38'55", T.11 S., R.3 W., sec.13, Vermilion 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 ft below National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1987, at datum 3.56 ft below National Geodetic Vertical Datum of 1929 (when datum is applied to gage heights as published).

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, undetermined; minimum, 1.75 ft, Feb. 22.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.88	2.42	2.21	3.29	3.22	2.31	3.26	2.56	3.35	6.21	4.24	3.08
2	2.91	2.55	2.29	---	3.16	2.39	3.48	2.66	3.36	---	4.31	3.00
3	2.77	2.65	2.28	---	2.96	2.52	3.55	2.77	3.48	---	4.16	2.89
4	2.74	2.73	2.20	---	2.66	2.67	3.50	2.94	3.54	---	4.03	2.85
5	2.75	2.48	2.17	---	2.65	2.45	3.22	3.03	3.53	---	3.88	2.86
6	2.70	2.43	2.24	---	2.48	2.29	3.26	2.94	3.46	---	3.69	2.98
7	2.66	2.60	2.24	---	2.41	2.33	3.17	2.90	3.59	---	3.52	2.99
8	2.69	2.57	2.17	---	2.43	2.46	3.33	2.98	3.53	---	3.37	3.02
9	2.77	2.56	1.95	---	2.44	2.48	2.92	3.07	3.41	---	3.33	3.04
10	2.69	2.53	2.10	---	2.63	2.53	2.61	2.78	3.38	---	3.27	3.00
11	2.73	2.44	2.20	---	2.64	2.55	2.70	2.70	3.46	---	3.21	3.00
12	2.60	2.61	2.23	---	2.65	2.56	2.77	2.73	3.45	---	3.16	3.03
13	2.60	2.45	2.39	---	2.76	2.63	2.77	2.77	3.40	---	3.15	3.05
14	2.64	2.51	2.49	---	2.76	2.73	2.88	2.89	3.60	---	3.11	3.04
15	2.67	2.65	2.38	---	2.77	2.60	2.93	2.90	3.80	---	3.07	2.88
16	2.67	2.38	2.26	---	2.61	2.47	3.00	2.99	3.80	---	3.09	2.86
17	2.63	2.22	2.40	---	2.47	2.60	3.01	3.10	3.85	---	3.12	2.90
18	2.60	2.44	2.48	---	2.41	2.54	2.99	3.30	3.80	---	3.10	2.88
19	2.55	2.56	2.55	---	2.51	2.48	2.91	3.89	3.62	---	3.09	2.86
20	2.59	2.20	2.56	---	2.80	2.71	2.80	4.09	3.49	---	3.03	2.87
21	2.50	2.11	2.53	---	2.50	2.32	2.82	4.12	3.50	---	2.98	2.82
22	2.54	2.13	2.56	---	2.19	2.37	2.82	4.18	3.51	---	2.94	2.75
23	2.62	2.19	2.66	---	2.08	2.60	2.88	4.15	3.54	---	3.05	2.57
24	2.45	2.28	2.88	---	2.26	2.75	2.89	4.07	3.52	---	3.06	2.37
25	2.56	2.32	2.91	---	2.38	2.82	2.89	4.06	3.60	---	3.08	2.46
26	2.57	2.52	3.05	---	2.47	2.91	2.83	3.97	4.24	---	3.07	2.47
27	2.62	2.23	3.27	---	2.54	3.01	2.82	3.76	4.95	---	3.07	2.51
28	2.61	2.16	3.13	---	2.27	3.24	2.81	3.56	5.41	---	3.06	2.53
29	2.54	2.31	3.02	---	---	3.42	2.73	3.43	5.78	---	3.13	2.50
30	2.55	2.18	3.05	---	---	3.44	2.65	3.40	6.04	---	3.13	2.50
31	2.45	---	3.19	---	---	3.24	---	3.37	---	3.93	3.11	---
MAX	2.91	2.73	3.27	---	3.22	3.44	3.55	4.18	6.04	---	4.31	3.08
MIN	2.45	2.11	1.95	---	2.08	2.29	2.61	2.56	3.35	---	2.94	2.37

MERMENTAU RIVER BASIN

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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 current year.

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, July 1-2, 9, 12-14, and Sept. 23-28. No velocity record, July 1-2, 4-14, and Sept. 23-28.

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 daily positive discharge, 6,770 ft³/s, June 29; maximum daily negative discharge, -2,390 ft³/s, Aug. 1; no flow many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	-198	-71	1620	239	-269	2570	-7.7	-22	---	-2390	-95
2	260	-67	-99	1430	296	136	1440	-56	389	---	-167	-130
3	236	-63	23	988	1060	328	821	-44	403	6030	-20	-59
4	-62	94	-64	375	397	191	885	-101	355	---	184	-351
5	-175	130	-195	-338	114	728	833	674	752	---	304	-780
6	-140	-119	-34	654	389	-19	339	705	937	---	254	-598
7	-196	-218	-37	199	294	-273	472	160	243	---	-112	-714
8	-212	199	3.0	637	-159	-362	-14	97	659	---	-241	-644
9	-20	111	-332	320	-243	-266	783	-4.3	266	---	-400	-376
10	-84	182	-129	437	-6.0	-69	254	23	63	---	-265	-208
11	6.5	-187	485	231	16	145	-86	-226	124	---	-283	-531
12	5.2	69	438	613	2.5	98	-64	-217	135	---	-516	-525
13	-179	-48	138	755	98	-133	-47	-66	59	---	-403	-534
14	.64	-21	-22	884	187	-235	144	-117	931	---	-388	-148
15	-31	-227	53	657	325	198	728	-103	3630	663	-313	-218
16	174	298	-385	345	398	-195	426	-318	3740	1000	-492	-316
17	167	-369	-21	79	-51	3.8	425	-652	3090	473	-468	-282
18	227	-203	-47	416	-143	108	384	1060	2450	270	-469	-195
19	97	-18	-118	3390	-152	-158	331	2950	1860	473	-292	-200
20	16	245	99	4810	-348	-183	-8.5	3460	1040	-209	-175	-101
21	51	-203	99	4730	693	183	25	3230	354	174	-1.9	-31
22	-38	-194	76	4010	501	822	159	2380	42	-278	-252	-44
23	125	-174	404	3090	-221	989	196	1640	75	-1090	-386	---
24	-120	-68	903	2200	-80	442	205	705	308	-144	-298	---
25	.81	-10	321	1160	116	218	201	70	140	-349	-174	---
26	87	30	-301	824	-3.3	115	328	264	280	-702	-96	---
27	25	87	-580	476	-62	372	253	656	2800	-184	-57	---
28	182	-142	1240	-62	-154	154	244	428	6120	577	-552	---
29	-104	-42	208	351	---	1820	220	163	6770	249	-486	-651
30	-136	-49	-81	540	---	3720	178	-46	6730	102	-109	-478
31	-51	---	750	343	---	3830	---	-109	---	-145	-272	---
TOTAL	355.15	-1175	2724.0	36164	3503.2	12438.8	12624.5	16598.0	44723	---	-9335.9	---
MEAN	11.5	-39.2	87.9	1167	125	401	421	535	1491	---	-301	---
MAX	260	-369	1240	4810	1060	3830	2570	3460	6770	---	-2390	---
MIN	.64	-21	3.0	-62	2.5	3.8	-8.5	-4.3	-22	---	-1.9	---

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.62	8.06	7.84	8.84	8.87	7.94	9.05	8.09	8.97	---	9.90	8.71
2	8.62	8.21	7.96	8.91	8.86	8.01	9.15	8.21	8.99	---	9.90	8.62
3	8.46	8.34	7.95	8.88	8.66	8.21	9.12	8.34	9.06	11.47	9.75	8.53
4	8.43	8.35	7.85	8.83	8.37	8.32	9.01	8.47	9.11	11.32	9.61	8.51
5	8.43	8.06	7.83	8.95	8.33	7.81	8.75	8.60	9.08	11.27	9.45	8.55
6	8.41	8.02	7.89	8.90	8.17	7.73	8.76	8.54	9.01	11.23	9.27	8.65
7	8.36	8.25	7.93	8.94	8.07	7.89	8.68	8.49	9.08	11.20	9.11	8.64
8	8.38	8.21	7.86	8.75	8.11	8.05	8.79	8.53	9.02	11.14	8.97	8.68
9	8.44	8.23	7.63	8.53	8.15	8.07	8.57	8.58	8.95	11.07	8.91	8.71
10	8.36	8.18	7.79	8.61	8.29	8.12	8.30	8.35	8.95	11.01	8.87	8.64
11	8.38	8.17	7.88	8.79	8.26	8.13	8.32	8.31	9.00	10.91	8.81	8.64
12	8.30	8.28	7.86	8.82	8.32	8.13	8.38	8.35	9.00	---	8.78	8.68
13	8.30	8.14	8.00	8.67	8.42	8.19	8.39	8.36	8.98	---	8.76	8.70
14	8.34	8.18	8.13	8.71	8.44	8.30	8.51	8.48	9.12	---	8.70	8.65
15	8.38	8.33	8.03	8.69	8.45	8.20	8.57	8.52	9.44	10.46	8.66	8.47
16	8.35	8.04	7.90	8.62	8.27	8.09	8.61	8.64	9.46	10.37	8.68	8.48
17	8.31	7.94	8.02	8.65	8.13	8.21	8.61	8.81	9.45	10.27	8.70	8.56
18	8.26	8.20	8.12	8.82	8.04	8.14	8.57	8.95	9.40	10.21	8.67	8.54
19	8.22	8.21	8.25	9.33	8.16	8.08	8.47	9.40	9.24	10.10	8.66	8.51
20	8.28	7.79	8.24	9.62	8.45	8.28	8.37	9.59	9.08	10.15	8.65	8.52
21	8.17	7.77	8.20	9.64	8.11	7.95	8.38	9.58	9.03	10.10	8.63	8.46
22	8.23	7.78	8.25	9.59	7.70	7.97	8.38	9.52	9.07	10.06	8.59	8.35
23	8.29	7.84	8.37	9.51	7.66	8.19	8.44	9.41	9.17	10.16	8.67	---
24	8.16	7.97	8.49	9.45	7.94	8.34	8.46	9.36	9.18	10.14	8.71	---
25	8.25	8.05	8.53	9.37	8.03	8.42	8.47	9.41	9.19	10.09	8.72	---
26	8.27	8.20	8.70	9.24	8.10	8.54	8.39	9.37	9.30	10.06	8.71	---
27	8.32	7.89	8.88	9.05	8.14	8.69	8.37	9.20	10.03	9.92	8.70	---
28	8.30	7.79	8.67	9.07	7.92	8.94	8.35	9.03	10.76	9.82	8.68	---
29	8.22	7.99	8.62	9.05	---	9.06	8.27	8.94	11.25	9.76	8.76	8.18
30	8.23	7.83	8.67	8.89	---	9.18	8.21	8.95	11.59	9.69	8.76	8.16
31	8.12	---	8.77	8.84	---	9.08	---	8.94	---	9.63	8.75	---
MAX	8.62	8.35	8.88	9.64	8.87	9.18	9.15	9.59	11.59	---	9.90	---
MIN	8.12	7.77	7.63	8.53	7.66	7.73	8.21	8.09	8.95	---	8.59	---

CALCASIEU RIVER BASIN

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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 discharges. Records good. Several measurements of water temperature were made during the year. Gage-height telemetry at station.

AVERAGE DISCHARGE.--46 years, 763 ft³/s, 20.75 in/yr, 552,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s, May 19, 1953, gage height, 21.55 ft; minimum discharge, 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)
Jan. 16	1400	7,640	15.01	May 20	1230	28,900	18.39
Feb. 22	1830	8,040	15.11	June 29	1530	*47,300	*20.46
Mar. 31	1500	5,960	14.55				

Minimum discharge, 34 ft³/s, Oct. 25; minimum gage height, 4.87 ft, Oct. 22, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	99	63	2320	507	2110	5270	115	136	32200	351	65
2	104	83	58	2520	623	1540	4700	132	120	23100	375	66
3	93	74	52	2430	847	1430	4100	146	114	17700	327	64
4	81	72	48	2550	1100	1530	3450	166	123	14100	339	62
5	69	65	45	2580	1360	1740	2830	289	188	9560	391	59
6	59	65	43	2470	1480	1970	2010	373	296	6530	352	57
7	51	74	41	2170	1270	2080	1180	561	296	5000	273	55
8	46	65	41	1610	910	2130	563	956	369	4230	210	53
9	44	55	41	1210	599	2060	350	1350	437	3450	154	53
10	42	49	44	995	482	1800	272	1400	441	2790	124	52
11	41	46	75	913	424	1510	231	1120	478	2390	113	66
12	40	45	197	1530	390	1150	208	742	544	2330	101	81
13	39	51	404	2400	367	775	194	399	602	2480	92	70
14	38	48	526	2610	360	507	180	209	755	2190	86	64
15	37	46	547	3650	383	377	173	155	1290	1570	82	62
16	37	47	484	7260	427	309	177	400	1360	1020	79	59
17	37	54	428	6440	459	266	192	1360	1210	947	76	57
18	36	58	431	5280	468	235	205	5180	1140	1240	75	55
19	36	57	414	4740	456	213	191	10500	1180	1350	72	54
20	35	57	371	4590	519	247	172	26900	1260	1380	71	52
21	35	53	320	4270	2060	783	155	18400	1150	1440	92	50
22	35	50	281	4090	7440	1190	138	8860	842	1170	98	48
23	35	48	1280	4180	7350	1330	125	5640	475	688	81	47
24	35	48	1330	4180	7130	1460	115	4270	224	367	73	46
25	35	52	991	3710	6070	1630	110	3380	160	240	70	45
26	39	53	913	3150	4740	1870	104	2570	163	199	69	44
27	44	53	770	2520	3780	2530	98	1640	784	173	69	44
28	53	52	920	1740	3000	2850	95	764	13600	156	71	43
29	71	60	1370	1180	---	3210	92	341	42100	155	71	44
30	93	67	1580	753	---	4870	97	217	44100	192	69	44
31	96	---	1830	549	---	5800	---	166	---	243	66	---
TOTAL	1593	1746	15938	90590	55001	51502	27777	98701	115937	140580	4572	1661
MEAN	51.4	58.2	514	2922	1964	1661	926	3184	3865	4535	147	55.4
MAX	104	99	1830	7260	7440	5800	5270	26900	44100	32200	391	81
MIN	35	45	41	549	360	213	92	115	114	155	66	43
AC-FT	3160	3460	31610	179700	109100	102200	55100	195800	230000	278800	9070	3290
CFSM	.10	.12	1.03	5.86	3.94	3.33	1.86	6.38	7.74	9.09	.30	.11
IN.	.12	.13	1.19	6.75	4.10	3.84	2.07	7.36	8.64	10.48	.34	.12
CAL YR 1988	TOTAL 234833	MEAN 642	MAX 5880	MIN 34	AC-FT 465800	CFSM 1.29	IN. 17.51					
WTR YR 1989	TOTAL 605598	MEAN 1659	MAX 44100	MIN 35	AC-FT 1201000	CFSM 3.32	IN. 45.15					

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.33	6.24	5.60	12.96	9.85	12.81	14.33	6.56	6.99	18.80	8.89	5.66
2	6.27	5.94	5.49	13.10	10.39	12.24	14.13	6.81	6.80	17.60	9.06	5.66
3	6.08	5.76	5.37	13.04	11.00	12.05	13.89	7.00	6.71	16.85	8.72	5.62
4	5.84	5.71	5.29	13.11	11.50	12.23	13.60	7.24	6.84	16.30	8.81	5.60
5	5.59	5.59	5.22	13.13	11.95	12.52	13.28	8.41	7.54	15.44	9.16	5.53
6	5.37	5.59	5.17	13.07	12.13	12.72	12.73	9.04	8.49	14.71	8.89	5.47
7	5.20	5.78	5.14	12.86	11.79	12.80	11.63	10.10	8.49	14.23	8.30	5.43
8	5.12	5.58	5.13	12.33	11.13	12.84	10.07	11.21	9.01	13.94	7.72	5.40
9	5.06	5.37	5.13	11.69	10.29	12.79	8.88	11.93	9.45	13.60	7.09	5.39
10	5.02	5.25	5.21	11.31	9.71	12.58	8.29	12.00	9.47	13.25	6.70	5.38
11	5.00	5.18	5.86	11.14	9.37	12.19	7.94	11.53	9.69	13.01	6.54	5.66
12	4.98	5.17	7.51	12.20	9.16	11.58	7.71	10.72	10.05	12.97	6.33	5.98
13	4.95	5.29	9.23	13.02	9.01	10.82	7.55	9.18	10.33	13.07	6.18	5.75
14	4.93	5.24	9.96	13.15	8.95	9.84	7.40	7.70	10.77	12.88	6.08	5.63
15	4.92	5.20	10.07	13.65	9.11	9.07	7.32	7.11	11.83	12.26	6.00	5.58
16	4.91	5.22	9.72	14.91	9.39	8.58	7.36	8.81	11.95	11.36	5.94	5.52
17	4.91	5.35	9.39	14.69	9.58	8.24	7.53	11.94	11.69	11.21	5.88	5.48
18	4.90	5.46	9.41	14.33	9.63	7.97	7.67	14.14	11.58	11.74	5.85	5.44
19	4.89	5.44	9.31	14.14	9.56	7.75	7.52	15.56	11.65	11.93	5.81	5.42
20	4.88	5.43	9.03	14.08	9.89	8.01	7.31	18.12	11.78	11.97	5.78	5.38
21	4.88	5.35	8.67	13.96	12.49	10.77	7.10	16.93	11.59	12.07	6.18	5.33
22	4.87	5.30	8.37	13.89	14.95	11.66	6.89	15.28	10.98	11.62	6.28	5.30
23	4.88	5.27	11.69	13.92	14.94	11.89	6.71	14.44	9.63	10.54	5.99	5.27
24	4.88	5.26	11.90	13.93	14.88	12.11	6.57	13.96	7.88	8.98	5.82	5.24
25	4.88	5.35	11.30	13.72	14.58	12.38	6.47	13.56	7.27	8.02	5.76	5.22
26	4.98	5.37	11.14	13.45	14.14	12.63	6.38	13.12	7.30	7.60	5.74	5.21
27	5.10	5.38	10.82	13.09	13.75	13.10	6.28	12.33	9.80	7.31	5.74	5.20
28	5.29	5.35	11.14	12.48	13.37	13.29	6.22	10.69	15.71	7.12	5.77	5.19
29	5.68	5.53	11.96	11.63	---	13.48	6.17	8.80	19.91	7.11	5.77	5.20
30	6.13	5.68	12.30	10.77	---	14.18	6.26	7.83	20.12	7.52	5.74	5.20
31	6.17	---	12.61	10.07	---	14.50	---	7.33	---	8.05	5.68	---
MAX	6.27	6.24	12.61	14.91	14.95	14.50	14.33	18.12	20.12	18.80	9.16	5.98
MIN	4.87	5.17	5.13	10.07	8.95	7.75	6.17	6.56	6.71	7.11	5.68	5.19

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.--No estimated daily discharges. Records fair. 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.--53 years (water years 1923-24, 1939-89) 1,166 ft³/s, 21.03 in/yr, 844,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft³/s, May 19, 1953, gage height, 26.53 ft; minimum discharge, 30 ft³/s, Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.18 ft, Oct. 25, 1988.

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 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 22	1300	24,400	20.15	July 2	1700	*54,000	*24.70

Minimum discharge, 42 ft³/s, Oct. 26, gage height, 1.18 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	85	94	2470	1130	4180	3790	1130	539	51600	305	104
2	578	96	89	2520	866	3410	4230	919	471	47800	327	101
3	531	102	87	2140	708	2990	4660	567	506	38100	348	98
4	232	101	83	1930	655	2560	4390	284	507	30700	375	95
5	161	92	78	1770	690	2060	3890	854	507	24600	367	93
6	125	86	73	1670	763	1630	3330	1390	514	18000	354	92
7	104	81	69	1640	866	1370	2760	1410	373	12500	364	91
8	90	76	65	1650	983	1350	2210	876	683	9210	365	86
9	80	77	63	1900	1030	1380	1650	575	750	7390	333	83
10	73	80	67	2540	942	1420	1070	560	482	5590	292	80
11	69	73	102	2500	781	1430	675	660	427	4340	250	80
12	66	69	196	2070	639	1390	468	779	420	3520	215	79
13	62	64	250	1810	548	1280	370	854	426	2830	194	81
14	59	64	256	2050	497	1110	317	788	754	2350	176	100
15	56	65	286	2350	462	896	285	568	1790	2280	162	105
16	54	65	444	2470	440	701	259	410	1620	2940	150	92
17	53	62	499	2500	438	545	235	389	1370	3380	141	86
18	51	61	480	2970	443	438	219	2590	1260	2660	134	82
19	49	63	434	5790	457	373	213	10200	1060	1630	128	78
20	48	66	394	7350	466	331	213	16200	889	1250	123	76
21	47	69	382	6760	694	350	203	15600	809	1150	119	74
22	45	73	404	5560	1200	1220	189	23300	791	1110	114	72
23	45	75	1310	4410	1460	2540	172	19100	788	1090	115	69
24	43	70	2740	3750	2090	3320	155	10800	730	1060	126	68
25	43	66	2510	3330	4090	2710	141	7170	604	923	123	66
26	46	66	2190	3210	5630	1670	130	5230	423	696	119	65
27	51	67	1750	3150	5810	2040	120	3940	2620	506	111	64
28	59	94	1340	2910	5200	2800	424	3020	12100	409	107	63
29	63	132	1340	2500	---	3290	448	2290	16200	352	105	62
30	61	115	1300	2030	---	3840	357	1560	30000	308	108	61
31	65	---	1760	1520	---	3910	---	894	---	276	108	---
TOTAL	3306	2355	21135	91220	39978	58534	37573	134907	80413	280550	6358	2446
MEAN	107	78.5	682	2943	1428	1888	1252	4352	2680	9050	205	81.5
MAX	578	132	2740	7350	5810	4180	4660	23300	30000	51600	375	105
MIN	43	61	63	1520	438	331	120	284	373	276	105	61
AC-FT	6560	4670	41920	180900	79300	116100	74530	267600	159500	556500	12610	4850
CFSM	.14	.10	.91	3.91	1.90	2.51	1.66	5.78	3.56	12.0	.27	.11
IN.	.16	.12	1.04	4.51	1.98	2.89	1.86	6.66	3.97	13.86	.31	.12
CAL YR 1988	TOTAL 290871	MEAN 795	MAX 6530	MIN 43	AC-FT 576900	CFSM 1.06	IN 14.37					
WTR YR 1989	TOTAL 758775	MEAN 2079	MAX 51600	MIN 43	AC-FT 1505000	CFSM 2.76	IN 37.49					

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.61	1.62	1.71	10.72	7.12	13.67	13.10	7.22	4.97	24.39	4.08	2.73
2	4.72	1.73	1.66	10.81	6.17	12.48	13.75	6.49	4.65	23.87	4.21	2.71
3	4.50	1.79	1.65	10.00	5.53	11.74	14.30	5.01	4.82	22.36	4.32	2.68
4	2.86	1.78	1.60	9.47	5.30	10.89	13.98	3.60	4.83	21.18	4.46	2.65
5	2.35	1.69	1.55	9.07	5.46	9.79	13.24	6.18	4.84	20.17	4.42	2.63
6	2.02	1.63	1.51	8.80	5.77	8.70	12.33	8.07	4.88	19.10	4.35	2.62
7	1.82	1.58	1.47	8.70	6.18	8.02	11.29	8.13	4.17	18.11	4.41	2.62
8	1.68	1.54	1.43	8.74	6.61	7.92	10.15	6.32	5.60	17.26	4.41	2.57
9	1.58	1.55	1.41	9.39	6.76	8.04	8.77	5.10	5.92	16.43	4.24	2.54
10	1.51	1.57	1.45	10.87	6.46	8.15	7.00	5.03	4.74	15.21	4.01	2.52
11	1.47	1.51	1.78	10.77	5.85	8.19	5.49	5.48	4.47	13.89	3.77	2.51
12	1.43	1.47	2.59	9.82	5.25	8.07	4.54	5.99	4.44	12.64	3.56	2.51
13	1.39	1.42	2.97	9.17	4.83	7.71	4.05	6.29	4.48	11.42	3.42	2.54
14	1.36	1.41	3.02	9.78	4.59	7.10	3.76	6.02	5.81	10.46	3.29	2.72
15	1.33	1.43	3.21	10.46	4.42	6.34	3.58	5.07	9.11	10.31	3.20	2.77
16	1.31	1.43	4.11	10.72	4.31	5.56	3.43	4.31	8.69	11.63	3.11	2.65
17	1.29	1.40	4.39	10.79	4.30	4.87	3.29	4.20	8.06	12.43	3.04	2.59
18	1.27	1.39	4.30	11.65	4.33	4.35	3.20	10.08	7.71	11.08	2.98	2.55
19	1.26	1.40	4.07	15.29	4.40	4.02	3.16	17.39	7.05	8.76	2.93	2.52
20	1.25	1.44	3.85	16.42	4.45	3.80	3.15	18.79	6.50	7.74	2.88	2.49
21	1.23	1.47	3.78	16.08	5.46	3.89	3.09	18.69	6.23	7.44	2.84	2.47
22	1.22	1.51	3.91	15.19	7.40	7.40	2.99	19.97	6.17	7.31	2.81	2.46
23	1.21	1.52	7.43	13.99	8.26	10.84	2.88	19.28	6.16	7.25	2.82	2.44
24	1.20	1.47	11.26	13.02	9.81	12.33	2.76	17.69	5.94	7.17	2.92	2.42
25	1.19	1.44	10.80	12.35	13.45	11.17	2.65	16.30	5.39	6.73	2.89	2.41
26	1.22	1.44	10.11	12.13	15.27	8.81	2.55	14.88	4.53	5.94	2.86	2.40
27	1.28	1.45	8.99	12.04	15.42	9.74	2.46	13.31	10.38	5.09	2.78	2.39
28	1.36	1.71	7.82	11.59	14.87	11.37	4.09	11.78	17.75	4.62	2.76	2.38
29	1.41	2.07	7.82	10.78	---	12.27	4.43	10.31	18.79	4.33	2.74	2.38
30	1.38	1.91	7.64	9.73	---	13.17	3.91	8.51	21.05	4.09	2.77	2.37
31	1.43	---	9.02	8.41	---	13.28	---	6.42	---	3.92	2.76	---
MAX	4.72	2.07	11.26	16.42	15.42	13.67	14.30	19.97	21.05	24.39	4.46	2.77
MIN	1.19	1.39	1.41	8.41	4.30	3.80	2.46	3.60	4.17	3.92	2.74	2.37

CALCASIEU RIVER BASIN

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

AVERAGE DISCHARGE.--50 years, 828 ft³/s, 22.05 in/yr, 599,900 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)
Jan. 16	0630	4,140	13.52	Apr. 2	0530	5,490	15.19
Feb. 24	1100	5,210	14.88	May 20	0500	20,300	21.75
Mar. 24	1030	3,900	13.17	June 29	----	*46,200	a, *25.80

a From floodmark.

Minimum discharge, 185 ft³/s, Oct. 22, 23, 24, 25, 26, gage height, 2.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	297	207	2390	559	714	4760	951	392	25000	1030	329
2	266	258	199	2240	522	764	5260	616	388	14000	977	318
3	232	264	196	2080	487	1340	2930	383	401	9840	800	289
4	232	243	194	1550	466	1700	1120	360	463	11300	870	274
5	247	230	193	1160	459	1660	846	1110	606	11000	729	264
6	227	249	192	753	469	1200	723	2390	609	8300	574	257
7	211	242	192	624	472	976	633	2430	467	7250	502	254
8	204	220	191	564	488	787	552	1710	406	5850	463	254
9	203	209	191	801	466	657	497	700	392	3920	e430	320
10	202	202	199	1290	441	580	459	490	518	2880	399	314
11	199	199	305	1250	436	531	435	410	482	2050	366	304
12	199	198	443	1900	419	494	425	373	505	1580	350	298
13	196	197	680	2530	405	466	407	e360	398	1280	338	278
14	194	205	560	3100	405	443	382	e380	398	1140	330	289
15	193	228	385	3700	442	422	370	e340	742	1540	325	286
16	192	252	327	4050	430	402	407	e280	1380	2220	320	279
17	190	227	307	2940	405	384	491	e500	1490	2330	318	264
18	189	215	369	1650	398	370	415	2760	1070	2620	329	257
19	188	211	322	2660	428	357	364	11500	526	2210	327	252
20	188	211	277	2590	429	352	358	18500	416	1250	324	248
21	187	204	259	2420	1560	1410	e350	10900	393	1020	392	245
22	187	201	254	2090	2580	3020	e340	7600	e350	902	382	240
23	187	209	1760	1380	3660	3690	e330	4820	e330	837	328	237
24	186	208	2410	961	5060	3880	e310	1660	e320	783	310	233
25	185	201	1970	804	4170	3520	e290	953	e300	743	309	232
26	192	200	2010	726	1860	2080	e280	764	e290	725	316	232
27	196	208	1430	670	952	1850	e270	643	2820	703	341	232
28	222	201	1430	613	791	2310	e300	554	27200	670	315	231
29	386	209	2060	586	---	2680	379	494	45500	664	299	232
30	399	223	2030	554	---	3490	e450	446	36200	634	330	233
31	387	---	2250	534	---	3720	---	406	---	707	305	---
TOTAL	6912	6621	23792	51160	29659	46249	25133	75783	125752	125948	13728	7975
MEAN	223	221	767	1650	1059	1492	838	2445	4192	4063	443	266
MAX	399	297	2410	4050	5060	3880	5260	18500	45500	25000	1030	329
MIN	185	197	191	534	398	352	270	280	290	634	299	231
AC-FT	13710	13130	47190	101500	58830	91730	49850	150300	249400	249800	27230	15820
CFSM	.44	.43	1.50	3.24	2.08	2.93	1.64	4.79	8.22	7.97	.87	.52
IN.	.50	.48	1.74	3.73	2.16	3.37	1.83	5.53	9.17	9.19	1.00	.58
CAL YR 1988	TOTAL 247884		MEAN 677	MAX 5220	MIN 185	AC-FT 491700	CFSM 1.33	IN. 18.08				
WTR YR 1989	TOTAL 538712		MEAN 1476	MAX 45500	MIN 185	AC-FT 1069000	CFSM 2.89	IN. 39.29				

e Estimated.

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.93	3.20	2.67	9.98	4.34	5.04	14.33	6.15	4.06	22.66	5.62	3.65
2	3.04	2.99	2.60	9.58	4.19	5.21	14.94	4.95	4.04	20.26	5.51	3.59
3	2.84	3.02	2.58	9.15	4.05	7.13	11.24	4.02	4.10	18.98	4.98	3.45
4	2.84	2.91	2.57	7.64	3.97	8.20	6.72	3.91	4.36	19.50	5.30	3.37
5	2.93	2.82	2.55	6.42	3.94	8.09	5.79	6.53	4.93	19.40	4.88	3.32
6	2.81	2.94	2.55	5.05	3.98	6.69	5.35	10.35	4.94	17.95	4.38	3.28
7	2.69	2.90	2.55	4.58	3.99	5.95	5.03	10.44	4.38	17.01	4.18	3.26
8	2.64	2.76	2.55	4.36	4.06	5.30	4.72	8.49	4.12	15.57	4.09	3.26
9	2.63	2.68	2.54	5.20	3.96	4.83	4.51	5.26	4.06	13.14	---	3.60
10	2.62	2.63	2.60	6.84	3.86	4.55	4.35	4.47	4.58	10.95	3.94	3.57
11	2.60	2.60	3.22	6.71	3.84	4.36	4.24	4.14	4.44	8.67	3.82	3.52
12	2.60	2.60	3.86	8.62	3.76	4.21	4.20	3.97	4.53	7.33	3.74	3.49
13	2.58	2.59	4.78	10.37	3.70	4.09	4.12	---	4.08	6.42	3.69	3.39
14	2.57	2.65	4.33	11.73	3.71	4.00	4.01	---	4.08	5.98	3.65	3.44
15	2.56	2.80	3.62	12.85	3.86	3.91	3.96	---	5.40	7.20	3.62	3.43
16	2.55	2.96	3.35	13.38	3.81	3.82	4.12	---	7.53	9.15	3.60	3.40
17	2.54	2.81	3.25	11.27	3.71	3.74	4.48	---	7.86	9.43	3.59	3.32
18	2.53	2.72	3.54	7.92	3.67	3.68	4.16	10.23	6.53	10.25	3.65	3.28
19	2.52	2.69	3.32	10.68	3.80	3.62	3.93	18.83	4.62	9.11	3.64	3.25
20	2.52	2.69	3.10	10.53	3.81	3.59	3.90	21.34	4.16	6.32	3.62	3.23
21	2.51	2.64	3.00	10.07	7.56	7.19	---	19.30	4.06	5.57	3.93	3.21
22	2.51	2.62	2.97	9.19	10.50	11.60	---	17.33	---	5.19	3.89	3.18
23	2.51	2.68	8.06	7.12	12.68	12.86	---	14.29	---	4.96	3.64	3.17
24	2.50	2.67	10.03	5.77	14.70	13.14	---	8.32	---	4.77	3.55	3.14
25	2.50	2.62	8.86	5.24	13.52	12.56	---	6.16	---	4.62	3.55	3.13
26	2.55	2.61	8.98	4.95	8.59	9.26	---	5.50	---	4.56	3.58	3.13
27	2.58	2.67	7.26	4.75	5.87	8.64	---	5.06	11.34	4.48	3.70	3.13
28	2.76	2.62	7.24	4.55	5.32	9.90	---	4.73	22.64	4.36	3.58	3.12
29	3.62	2.67	9.10	4.44	---	10.82	4.00	4.49	25.72	4.34	3.50	3.14
30	3.68	2.78	9.02	4.32	---	12.54	---	4.29	24.51	4.23	3.65	3.14
31	3.62	---	9.60	4.24	---	12.90	---	4.12	---	4.49	3.53	---
MAX	3.68	3.20	10.03	13.38	14.70	13.14	---	---	---	22.66	---	3.65
MIN	2.50	2.59	2.54	4.24	3.67	3.59	---	---	---	4.23	---	3.12

CALCASIEU RIVER BASIN

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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. 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.--49 years (water years 1923-24, 1939-57, 1962-89), 2,633 ft³/s, 1,908,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft³/s, May 19, 1953, gage height, 32.00 ft; minimum, discharge, 136 ft³/s, Aug. 15, 1956; minimum gage height, 1.42 ft, Sept. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 101,000 ft³/s, July 2, gage height, 26.28 ft; minimum discharge, 317 ft³/s, Dec. 10, gage height, 1.71 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	677	607	668	6940	2540	6240	e9300	e3600	1560	95600	1220	606
2	1190	492	628	7030	2130	5860	e10400	2840	1400	97600	1480	605
3	1550	472	544	6350	1840	5610	e8800	2000	1630	82400	1250	572
4	1070	473	391	5470	1670	5460	e7400	1310	1700	67100	1220	544
5	755	440	357	4260	1610	5140	7080	1720	1760	57200	1250	525
6	647	414	345	3640	1670	4560	5550	3490	1750	46400	1150	515
7	566	433	337	3080	1760	3690	4760	4420	1540	34400	1050	503
8	511	409	329	2870	1860	3130	3980	4600	1380	26800	1020	508
9	480	380	323	3570	1940	2820	3220	3100	1630	20900	964	518
10	471	369	332	5290	1920	2660	2430	1990	1470	15700	909	557
11	451	368	494	5330	1790	2560	1790	1560	1390	11800	860	535
12	434	355	712	4920	1610	2500	1390	1480	1320	8370	800	577
13	402	349	916	5230	1460	2400	1200	1490	1300	6200	747	540
14	385	336	1070	5680	1360	2230	1100	1520	1610	5310	722	521
15	376	342	971	6500	1320	1990	1060	1340	3630	4550	698	515
16	369	380	1180	7240	1320	1750	993	1120	4330	4560	683	521
17	363	388	1290	7770	1280	1530	997	988	4210	5160	663	501
18	356	362	1270	7330	1260	1340	1000	2970	3890	5780	662	470
19	351	382	1240	7050	1320	1220	924	e15200	3010	5800	664	460
20	346	620	1140	9350	1380	1150	858	e28000	2260	3880	645	448
21	343	643	1060	10900	1850	1250	819	e39700	1810	2730	644	441
22	338	629	1010	11000	3990	3310	795	e46000	1600	2200	665	437
23	335	559	2010	9340	4670	5690	743	e48000	1520	1970	659	428
24	336	402	5700	6770	5420	6780	701	e25000	1460	1880	642	431
25	330	365	5990	5740	6660	e6540	662	17000	1370	1790	645	422
26	344	353	5120	4900	7290	e6400	626	10000	1230	1660	640	413
27	373	353	4490	4470	7080	6000	598	7190	3940	1580	633	416
28	378	354	3660	4230	6500	5690	e1080	5490	e18400	1340	625	416
29	473	407	4040	3980	---	6450	e1400	4300	66200	1220	610	418
30	623	664	4250	3610	---	e7700	e1700	3110	94000	1180	611	420
31	633	---	5140	3110	---	e8000	---	2250	---	1100	628	---
TOTAL	16256	13100	57007	182950	76500	127650	83356	292778	234300	624160	25659	14783
MEAN	524	437	1839	5902	2732	4118	2779	9444	7810	20130	828	493
MAX	1550	664	5990	11000	7290	8000	10400	48000	94000	97600	1480	606
MIN	330	336	323	2870	1260	1150	598	988	1230	1100	610	413
AC-FT	32240	25980	113100	362900	151700	253200	165300	580700	464700	1238000	50890	29320
CAL YR 1988	TOTAL 739880		MEAN 2022		MAX 12400		MIN 323		AC-FT 1468000			
WTR YR 1989	TOTAL 1748499		MEAN 4790		MAX 97600		MIN 323		AC-FT 3468000			

e Estimated.

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.89	2.66	2.86	13.71	8.12	13.44	---	---	6.34	25.84	6.11	4.03
2	4.47	2.30	2.73	14.07	7.09	13.10	---	9.33	5.88	26.01	6.87	4.02
3	5.51	2.23	2.46	13.53	6.32	12.86	---	7.52	6.53	24.68	6.19	3.90
4	4.12	2.24	1.96	12.70	5.84	12.70	---	5.62	6.72	23.29	6.11	3.80
5	3.14	2.13	1.85	11.54	5.68	12.34	13.86	6.77	6.90	22.39	6.20	3.74
6	2.80	2.04	1.81	10.29	5.83	11.63	12.78	9.92	6.86	21.34	5.91	3.70
7	2.53	2.11	1.78	9.27	6.08	10.37	11.92	11.54	6.28	19.99	5.63	3.65
8	2.36	2.03	1.75	8.84	6.35	9.37	11.02	11.74	5.83	18.97	5.52	3.66
9	2.26	1.93	1.73	9.71	6.57	8.73	9.96	10.25	6.53	18.05	5.36	3.68
10	2.23	1.89	1.76	12.11	6.53	8.38	8.54	7.50	6.07	17.05	5.18	3.80
11	2.16	1.88	2.30	12.55	6.16	8.18	6.97	6.33	5.83	16.08	5.02	3.72
12	2.11	1.84	3.01	12.09	5.68	8.04	5.84	6.11	5.64	15.02	4.82	3.85
13	2.00	1.82	3.65	12.44	5.26	7.79	5.29	6.14	5.57	13.78	4.65	3.72
14	1.94	1.78	4.11	12.92	4.97	7.34	5.01	6.21	6.43	12.52	4.56	3.65
15	1.91	1.80	3.82	13.66	4.85	6.72	4.88	5.71	10.15	11.73	4.47	3.62
16	1.89	1.93	4.43	14.20	4.85	6.06	4.68	5.05	11.44	11.73	4.42	3.63
17	1.87	1.96	4.75	14.51	4.74	5.43	4.70	4.67	11.30	12.36	4.34	3.57
18	1.85	1.86	4.69	14.25	4.68	4.90	4.71	8.69	10.92	13.02	4.33	3.46
19	1.83	1.93	4.62	14.07	4.84	4.55	4.47	---	9.89	13.04	4.33	3.42
20	1.81	2.71	4.31	15.23	5.00	4.35	4.27	---	8.17	11.57	4.26	3.37
21	1.80	2.78	4.09	15.79	6.31	4.63	4.15	---	7.02	9.53	4.25	3.34
22	1.78	2.74	3.92	15.82	10.27	9.01	4.07	---	6.45	8.65	4.31	3.32
23	1.77	2.51	6.58	15.23	11.77	12.37	3.91	---	6.21	8.20	4.28	3.28
24	1.78	2.00	12.20	14.13	12.65	13.87	3.77	---	6.05	7.97	4.22	3.28
25	1.76	1.88	13.21	12.97	13.78	---	3.65	17.32	5.78	7.73	4.22	3.24
26	1.80	1.84	12.31	12.05	14.23	---	3.53	15.70	5.39	7.36	4.19	3.21
27	1.90	1.83	11.53	11.50	14.10	13.54	3.43	14.41	10.31	7.13	4.16	3.21
28	1.92	1.84	10.33	11.19	13.66	12.94	---	13.14	---	6.46	4.13	3.20
29	2.23	2.01	10.90	10.82	---	13.61	---	11.73	23.21	6.13	4.07	3.20
30	2.72	2.85	11.21	10.25	---	---	---	10.14	25.70	5.99	4.07	3.20
31	2.75	---	11.86	9.32	---	---	---	8.13	---	5.76	4.11	---
MAX	5.51	2.85	13.21	15.82	14.23	---	---	---	---	26.01	6.87	4.03
MIN	1.76	1.78	1.73	8.84	4.68	---	---	---	---	5.76	4.07	3.20

CALCASIEU RIVER BASIN

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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 1988 TO SEPTEMBER 1989

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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, UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 20...	1415	346	63	7.20	23.0	20	5.2	8.7	1.0	40	K30
JAN 12...	0900	5230	40	6.28	11.5	120	31	9.4	0.8	1200	1200
APR 27...	1215	598	56	6.85	24.0	80	16	7.3	0.9	65	440
JUL 18...	1015	5780	30	6.49	27.0	80	18	5.6	1.4	76	510

DATE	HARD- NESS TOTAL (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 WAT WH TOT FET 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)
OCT 20...	12	3.0	1.1	7.2	1.4	17	3.4	6.2	<0.1	29	66
JAN 12...	9	2.4	0.73	3.0	1.4	6	3.7	5.2	0.1	9.1	48
APR 27...	13	3.1	1.2	--	1.5	12	2.0	6.2	0.1	23	65
JUL 18...	9	2.4	0.72	1.8	1.1	11	1.7	2.7	<0.1	7.2	41

DATE	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- PHOROUS TOTAL (MG/L AS P)	PHOS- PHOROUS DIS- SOLVED (MG/L AS P)	PHOS- PHOROUS ORTHOPHOS- PHATE DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (µG/L AS AL)	ARSENIC DIS- SOLVED (µG/L AS AS)
OCT 20...	62	<0.01	<0.10	<0.01	0.01	<0.2	0.03	0.03	0.02	30	1
JAN 12...	30	<0.01	<0.10	0.06	0.07	0.9	0.07	0.03	0.02	590	<1
APR 27...	53	<0.01	0.15	0.06	0.08	0.9	0.08	0.03	0.03	80	<1
JUL 18...	22	<0.01	<0.10	0.07	0.07	0.8	0.05	0.03	0.02	120	<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).

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	COBALT, DIS- SOLVED (µG/L AS CO)	COPPER, DIS- SOLVED (µG/L AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM DIS- SOLVED (µG/L AS LI)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)	MERCURY DIS- SOLVED (µG/L AS HG)
OCT 20...	29	<0.5	<1	<1	<3	<1	130	<5	<4	30	<0.1
JAN 12...	36	<0.5	<1	<1	<3	2	440	<5	<4	76	<0.1
APR 27...	40	<0.5	<1	2	<3	<1	430	<1	<4	98	<0.1
JUL 18...	30	<0.5	<1	<1	<3	4	360	1	<4	82	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO)	NICKEL, DIS- SOLVED (µG/L AS NI)	SELE- NIUM, DIS- SOLVED (µG/L AS SE)	SILVER, DIS- SOLVED (µG/L AS AG)	STRON- TIUM, DIS- SOLVED (µG/L AS SR)	VANA- DIUM, DIS- SOLVED (µG/L AS V)	ZINC, DIS- SOLVED (µG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 20...	<10	<1	<1	<1	29	<6	<3	7	6.5	79
JAN 12...	<10	1	<1	<1	14	<6	17	36	508	81
APR 27...	<10	2	<1	<1	26	<6	6	13	21	100
JUL 18...	<10	2	<1	<1	14	<6	8	40	624	95

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

CALCASIEU RIVER BASIN

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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, 9.30 ft, July 2, 1989; minimum, -1.16 ft, Apr. 12, 1988.

EXTREMES FOR CURRENT PERIOD.--Maximum gage-height, 9.30 ft, July 2; minimum -.86 ft, Feb. 23.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	1.83	1.27	2.33	2.59	2.03	2.45	2.09	2.76	8.40	4.08	2.53
2	2.30	2.27	1.42	2.25	2.45	2.44	3.36	2.15	2.62	9.11	3.49	2.34
3	2.00	2.72	1.62	2.31	1.84	2.78	3.05	2.58	2.77	9.11	2.90	2.16
4	1.88	2.73	1.29	1.95	1.28	3.17	2.92	3.05	2.89	8.46	2.68	2.49
5	2.29	1.72	1.08	2.64	1.91	1.66	2.06	2.80	2.79	7.45	2.41	2.78
6	2.26	1.43	1.70	2.71	1.59	.23	2.43	2.36	2.44	6.49	2.16	3.01
7	2.22	2.07	1.83	2.62	1.28	1.27	2.08	2.08	2.77	5.52	2.07	2.93
8	2.28	1.97	1.97	2.14	1.37	1.56	2.49	2.36	2.50	4.67	2.07	2.87
9	2.43	2.16	1.29	1.64	1.46	1.50	1.81	2.59	2.06	4.04	2.36	2.78
10	1.95	2.36	1.75	2.48	2.05	1.64	1.33	1.79	2.35	3.73	2.38	2.54
11	1.98	1.94	2.09	2.74	2.03	1.74	1.78	2.00	2.83	3.57	2.30	2.55
12	1.78	2.68	1.61	2.65	2.15	1.84	2.36	2.26	2.89	3.09	2.34	2.69
13	1.79	2.09	1.70	1.83	2.65	2.03	2.36	2.68	2.89	2.89	2.53	2.90
14	2.25	2.17	2.05	2.16	2.41	2.36	2.46	2.51	2.99	2.61	2.57	2.61
15	2.52	2.75	1.64	2.06	2.24	2.37	2.15	2.51	2.11	2.78	2.47	2.19
16	2.61	2.22	.75	1.88	1.86	2.15	2.33	2.68	2.04	2.44	2.50	2.22
17	2.48	1.77	1.40	2.06	1.48	2.42	2.38	3.28	2.34	2.36	2.56	2.36
18	2.33	2.99	1.35	2.50	1.63	2.34	2.26	3.52	2.60	2.54	2.39	2.50
19	2.27	3.02	1.87	2.88	1.81	2.06	2.03	3.67	2.43	2.51	2.27	2.71
20	2.49	1.58	2.17	2.39	2.89	2.53	1.83	3.58	2.19	2.13	2.35	2.67
21	2.45	1.32	1.84	2.03	2.06	1.58	1.94	3.68	2.41	2.25	2.46	2.72
22	2.49	1.72	2.13	2.59	.89	1.73	2.18	3.92	2.61	2.35	2.64	2.36
23	2.95	1.71	2.36	2.57	.28	1.99	2.40	3.82	2.96	2.41	2.74	1.79
24	2.34	1.96	2.29	2.76	1.47	2.21	2.45	3.70	3.18	2.30	2.54	1.53
25	2.61	2.41	1.88	2.45	1.56	2.37	2.52	3.81	3.08	2.50	2.46	2.17
26	2.64	2.92	2.48	2.30	1.71	2.69	2.35	3.59	3.38	3.06	2.48	2.33
27	2.61	1.85	2.85	2.10	2.30	2.98	2.34	2.80	4.73	2.80	2.51	2.36
28	2.48	1.19	1.73	2.63	1.99	3.28	2.40	2.28	4.52	2.55	2.35	2.38
29	2.10	2.09	1.97	2.50	---	3.30	2.26	2.32	5.55	2.62	2.38	2.43
30	2.22	1.50	2.51	2.21	---	2.82	2.05	2.57	6.95	2.70	2.47	2.39
31	2.06	---	2.40	2.27	---	2.06	---	2.75	---	2.72	2.58	---
MAX	2.95	3.02	2.85	2.88	2.89	3.30	3.36	3.92	6.95	9.11	4.08	3.01
MIN	1.78	1.19	.75	1.64	.28	.23	1.33	1.79	2.04	2.13	2.07	1.53

CALCASIEU RIVER BASIN

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 5.42 ft below National Geodetic Vertical Datum of 1929 or 6.20 ft below mean low gulf level. Prior to Oct. 1, 1986 datum of gage was National Geodetic Vertical Datum of 1929.

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, 8.41 ft, July 2, 1989; minimum gage height (recorded), 3.54 ft, Feb. 12, 1985, but may have been lower during periods of no gage-height record.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 8.41 ft, July 2; minimum gage height (recorded), 3.56 ft, Feb. 22, but may have been lower during periods of no gage-height record.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.26	5.55	4.95	5.82	---	---	---	5.04	6.39	6.56	6.13	6.05
2	5.98	5.96	5.12	5.81	---	---	---	5.63	5.92	6.97	6.37	5.85
3	5.68	6.39	5.31	5.87	---	---	---	5.65	6.10	7.63	6.43	5.67
4	5.58	6.35	4.97	5.60	---	---	---	5.38	6.51	7.55	6.34	6.10
5	5.99	5.40	4.78	6.24	---	---	---	5.69	6.35	7.50	6.05	6.25
6	5.96	5.10	5.39	6.31	---	---	---	5.58	5.97	7.03	5.80	6.19
7	5.92	5.72	5.52	6.24	---	---	---	5.58	6.34	6.95	5.67	6.24
8	5.98	5.63	5.69	5.81	---	---	---	5.75	6.01	6.75	5.58	6.25
9	6.13	5.81	5.03	5.25	---	---	---	---	5.62	6.84	6.00	6.21
10	5.66	6.03	5.47	6.07	---	---	---	---	5.94	6.84	6.00	5.88
11	5.67	5.64	5.80	6.29	---	---	---	---	6.37	6.74	5.97	5.62
12	5.50	6.33	5.25	6.25	---	---	---	5.90	6.47	6.46	5.98	5.45
13	5.51	5.78	5.34	5.51	6.30	---	---	6.14	6.47	6.30	6.10	5.88
14	5.94	5.84	5.71	5.77	6.09	---	---	6.05	6.07	5.73	6.11	5.18
15	6.21	6.37	5.28	5.69	5.90	---	---	5.82	5.22	5.99	6.03	5.50
16	6.28	5.88	4.45	5.51	5.55	---	---	5.77	5.61	5.90	6.09	5.67
17	6.14	5.50	5.05	5.69	5.23	---	---	6.41	5.93	5.85	6.14	5.77
18	6.00	6.66	5.02	6.03	5.34	---	---	5.76	6.06	6.05	5.96	6.08
19	5.95	6.63	5.52	6.37	5.52	---	---	5.65	5.92	6.04	5.89	6.35
20	6.17	5.18	5.80	5.92	6.52	---	---	5.85	5.80	5.64	5.96	6.34
21	6.12	5.02	5.51	5.64	5.75	---	---	6.15	5.97	5.75	6.05	6.35
22	6.19	5.41	5.78	---	4.52	---	---	6.35	6.21	5.90	6.10	5.98
23	6.63	5.39	5.99	---	---	---	---	6.33	6.38	5.55	5.85	5.41
24	6.05	5.68	5.86	---	---	---	---	6.40	6.11	5.37	5.86	5.25
25	6.31	6.09	5.47	---	---	---	---	6.66	6.04	5.74	5.74	5.83
26	6.32	6.53	6.12	---	---	---	5.72	6.71	5.40	5.50	5.94	5.93
27	6.30	5.45	6.40	---	---	---	5.71	6.05	6.36	5.52	6.00	6.03
28	6.15	4.86	5.34	---	---	---	5.63	5.73	5.72	5.93	5.76	5.90
29	5.80	5.78	5.58	---	---	---	5.68	5.87	5.63	5.79	5.71	5.40
30	5.93	5.11	6.10	---	---	---	5.02	6.19	5.82	6.02	5.89	5.65
31	5.77	---	6.02	---	---	---	---	6.28	---	6.00	6.08	---
MAX	6.63	6.66	6.40	---	---	---	---	---	6.51	7.63	6.43	6.35
MIN	5.50	4.86	4.45	---	---	---	---	---	5.22	5.37	5.58	5.18

SABINE RIVER BASIN

279

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.

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.--Water-discharge records fair, except those for estimated daily discharges and periods of no gage-height record, which are poor.

AVERAGE DISCHARGE.--9 years, 68.6 ft³/s, 12.85 in/yr, 49,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,450 ft³/s, May 18, 1989, gage height, 15.37 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)
Jan. 14	1930	1,580	11.21	May 18	1300	*9,450	*15.37
Jan. 30	2230	2,550	12.26	June 6	0430	2,610	12.31
Mar. 28	1030	976	10.59	June 28	1330	3,090	12.64

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	9.1	19	357	680	122	90	3.3	1.4	1770	3.6	.36
2	.00	e7.4	18	128	e300	421	54	3.3	3.5	2060	4.5	.39
3	.00	e6.7	18	41	e400	526	79	3.5	30	2070	3.2	.63
4	.00	e6.2	17	27	e200	353	58	5.0	15	1510	2.5	.82
5	.00	e6.0	16	22	e150	127	27	8.5	292	719	2.4	e.70
6	.00	e5.8	17	20	e88	78	9.0	29	1880	226	2.3	e.62
7	.00	e5.5	17	18	e70	53	4.7	14	777	64	2.3	.93
8	.00	e5.3	18	18	e60	38	4.2	5.4	1440	146	2.1	.98
9	.00	e5.0	19	18	e56	32	3.9	4.2	1250	48	1.3	.89
10	.00	7.6	24	20	e45	29	3.6	3.7	530	25	.82	2.7
11	.00	8.1	79	22	e40	27	3.4	3.9	60	18	.91	20
12	.00	18	119	76	e50	26	3.9	4.1	16	15	.94	55
13	.00	22	59	525	e160	25	4.4	4.3	7.8	13	.75	18
14	.00	18	29	1330	e170	24	6.2	41	127	11	.64	13
15	.00	15	22	1250	e110	23	8.1	23	380	15	.60	8.8
16	.00	17	20	693	e140	22	9.6	319	313	133	.55	6.4
17	.00	16	19	321	e500	21	7.3	1440	23	48	.61	4.4
18	.00	14	19	106	e530	21	5.6	6230	6.8	17	.47	3.2
19	.00	17	18	78	e400	20	5.3	1890	4.6	12	e.37	2.4
20	.00	28	16	62	e240	20	4.9	694	3.4	9.9	e.30	1.8
21	.00	21	16	37	e590	20	4.9	147	2.6	8.5	e.25	1.4
22	.00	18	15	24	e570	22	4.9	15	2.0	6.9	e.20	1.0
23	.00	13	14	19	e200	24	4.5	8.2	1.6	6.2	.27	.86
24	.00	11	14	17	e90	23	4.0	6.3	1.3	5.3	.27	.74
25	.00	9.6	14	16	e60	21	3.6	5.2	1.1	5.0	.35	.68
26	2.2	14	14	29	e46	74	3.4	4.3	.97	7.0	.27	.48
27	4.9	76	28	256	e42	550	3.4	3.5	368	13	.27	.26
28	17	106	287	326	e50	852	3.4	2.6	2260	8.7	.32	.19
29	18	40	332	300	---	600	3.3	2.0	1640	6.0	.39	.16
30	17	23	344	1710	---	502	3.2	1.7	1560	4.3	.43	.20
31	11	---	400	1600	---	452	---	1.4	---	3.3	.50	---
TOTAL	70.10	569.3	2061	9466	6037	5148	430.7	10926.4	12998.07	9004.1	34.68	147.99
MEAN	2.26	19.0	66.5	305	216	166	14.4	352	433	290	1.12	4.93
MAX	18	106	400	1710	680	852	90	6230	2260	2070	4.5	55
MIN	.00	5.0	14	16	40	20	3.2	1.4	.97	3.3	.20	.16
AC-FT	139	1130	4090	18780	11970	10210	854	21670	25780	17860	69	294
CFSM	.03	.26	.92	4.21	2.97	2.29	.20	4.86	5.98	4.01	.02	.07
IN.	.04	.29	1.06	4.86	3.10	2.64	.22	5.61	6.67	4.62	.02	.08

CAL YR 1988	TOTAL 13474.71	MEAN 36.8	MAX 1460	MIN .00	AC-FT 26730	CFSM .51	IN. 6.91
WTR YR 1989	TOTAL 56893.34	MEAN 156	MAX 6230	MIN .00	AC-FT 112800	CFSM 2.15	IN. 29.19

e Estimated.

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.89	4.85	4.74	8.44	9.97	5.93	6.47	4.26	3.96	11.58	3.73	3.34
2	4.01	4.82	4.69	6.25	---	8.88	6.10	4.26	4.28	11.84	3.80	3.35
3	3.99	4.82	4.68	5.16	---	9.53	6.54	4.29	5.49	11.84	3.71	3.39
4	3.96	4.81	4.66	4.93	---	8.37	6.19	4.45	4.97	11.28	3.64	3.42
5	3.93	4.81	4.64	4.82	---	6.33	5.49	4.71	7.63	10.07	3.62	3.43
6	3.91	4.80	4.66	4.75	---	5.65	4.74	5.51	11.64	7.28	3.61	3.43
7	3.89	4.78	4.67	4.71	---	5.21	4.42	4.97	10.22	5.51	3.62	3.44
8	3.86	4.76	4.70	4.69	---	4.89	4.37	4.49	11.17	6.67	3.60	3.45
9	3.85	4.73	4.73	4.70	---	4.73	4.34	4.37	10.95	5.20	3.50	3.44
10	3.83	4.76	4.83	4.75	---	4.65	4.31	4.31	9.43	4.65	3.43	3.66
11	3.81	4.79	5.68	4.81	---	4.60	4.28	4.33	6.13	4.45	3.44	4.23
12	3.79	5.01	6.20	5.55	---	4.56	4.34	4.36	5.11	4.32	3.45	5.23
13	3.76	5.10	5.42	9.36	---	4.54	4.39	4.38	4.67	4.23	3.41	4.36
14	3.74	4.99	4.95	10.96	---	4.51	4.55	5.75	6.74	4.17	3.39	4.17
15	3.72	4.88	4.82	10.88	---	4.49	4.69	5.35	8.89	4.28	3.39	3.97
16	3.70	4.94	4.75	10.05	---	4.45	4.79	7.95	8.41	6.51	3.38	3.84
17	3.68	4.91	4.73	8.03	---	4.42	4.64	11.21	5.28	5.15	3.39	3.71
18	3.66	4.85	4.73	6.02	---	4.41	4.50	14.07	4.59	4.40	3.36	3.61
19	3.64	4.90	4.68	5.69	---	4.39	4.47	11.60	4.41	4.21	3.30	3.54
20	3.62	5.22	4.65	5.47	---	4.40	4.44	10.00	4.28	4.12	3.27	3.48
21	3.60	5.08	4.62	5.09	---	4.41	4.44	6.97	4.17	4.05	3.25	3.42
22	3.58	4.98	4.58	4.86	---	4.45	4.44	5.04	4.08	3.96	3.27	3.37
23	3.57	4.81	4.57	4.73	---	4.51	4.40	4.70	4.00	3.92	3.33	3.34
24	3.54	4.72	4.56	4.67	---	4.49	4.34	4.56	3.93	3.86	3.33	3.32
25	3.52	4.65	4.55	4.64	---	4.43	4.30	4.47	3.87	3.84	3.34	3.31
26	4.28	4.78	4.55	4.88	---	5.17	4.28	4.38	3.84	3.97	3.33	3.28
27	4.85	5.77	4.81	7.57	---	9.57	4.28	4.28	7.33	4.25	3.33	3.24
28	5.23	6.05	7.83	8.20	---	10.37	4.28	4.17	11.97	4.06	3.34	3.22
29	5.23	5.13	8.25	7.82	---	9.80	4.27	4.08	11.45	3.90	3.35	3.22
30	5.17	4.83	8.34	11.42	---	9.48	4.26	4.01	11.36	3.79	3.36	3.23
31	4.96	---	8.77	11.35	---	9.24	---	3.97	---	3.71	3.37	---
MAX	5.23	6.05	8.77	11.42	---	10.37	6.54	14.07	11.97	11.84	3.80	5.23
MIN	3.52	4.65	4.55	4.64	---	4.39	4.26	3.97	3.84	3.71	3.25	3.22

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in sec.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.

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. Records fair, except those for periods of indefinite state-discharge relationship, which are poor. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--12 years, 85.4 ft³/s, 14.46 in/yr, 61,870 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; maximum gage height, 21.19 ft, May 18, 1989; 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)
Jan. 30	1830	2,610	16.51	May 18	0800	*16,700	*21.19
Mar. 27	1700	2,800	16.65	June 28	0500	5,160	17.98

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.2	6.8	159	570	505	111	29	20	2250	8.3	5.5
2	.00	1.0	6.3	42	175	1090	66	32	91	2400	6.3	e3.0
3	.00	1.3	6.0	31	184	791	54	29	131	1290	5.2	e2.0
4	.00	e1.0	5.5	27	349	425	47	30	458	890	4.9	e1.6
5	.17	e.88	5.3	24	152	266	41	51	1030	548	4.7	e1.4
6	.57	e.70	5.2	22	92	432	36	83	956	265	4.6	e1.3
7	1.3	e.65	5.9	22	66	221	34	41	513	525	4.0	e1.5
8	1.3	e.60	7.7	23	57	79	32	32	475	382	3.7	e2.0
9	1.4	e.56	11	24	57	57	30	29	602	87	4.2	4.2
10	1.3	2.0	12	24	49	47	29	28	262	37	5.0	5.0
11	1.1	3.1	36	25	43	42	28	27	49	26	5.4	6.0
12	1.0	3.0	28	85	44	38	26	27	33	20	5.9	4.8
13	.85	3.5	12	849	182	35	26	28	26	16	5.6	3.8
14	.69	6.6	8.7	1390	165	33	29	31	471	17	e4.0	32
15	.54	3.0	7.5	1110	95	31	160	50	661	17	e2.7	e10
16	.42	2.0	7.1	573	158	29	88	225	309	13	e2.5	e5.0
17	.33	5.4	6.9	142	577	27	44	1620	57	12	5.3	e3.3
18	.25	3.8	6.1	69	605	27	34	10700	31	10	5.0	e2.5
19	.21	2.2	5.8	132	369	26	30	1600	23	11	e4.0	e1.1
20	.16	2.1	5.7	89	249	25	28	647	19	9.5	e3.9	e.70
21	.10	1.6	5.8	50	685	25	27	178	16	7.9	e2.5	e.52
22	.02	1.3	6.3	35	630	31	25	57	14	7.0	e2.0	e.40
23	.00	1.8	23	29	212	32	24	38	13	6.6	e1.8	e.30
24	.00	1.3	11	26	73	28	23	30	12	11	e1.7	e.25
25	.00	.96	7.1	25	56	25	22	25	12	10	4.7	.19
26	3.7	4.6	5.7	27	49	337	21	21	11	14	4.8	.17
27	7.6	18	7.1	136	46	2500	21	18	1070	10	e3.0	.14
28	4.3	14	101	121	48	1240	22	16	3710	8.8	e2.0	.13
29	2.7	9.5	114	205	---	646	23	15	3710	8.8	e1.6	.14
30	2.7	7.9	70	1960	---	671	27	14	2420	10	e1.4	.10
31	2.5	---	326	1390	---	454	---	13	---	9.4	5.7	---
TOTAL	35.21	106.55	872.5	8866	6037	10215	1208	15764	17205	8929.0	126.4	99.04
MEAN	1.14	3.55	28.1	286	216	330	40.3	509	573	288	4.08	3.30
MAX	7.6	18	326	1960	685	2500	160	10700	3710	2400	8.3	32
MIN	.00	.56	5.2	22	43	25	21	13	11	6.6	1.4	.10
AC-FT	70	211	1730	17590	11970	20260	2400	31270	34130	17710	251	196
CFSM	.01	.04	.35	3.57	2.69	4.11	.50	6.34	7.15	3.59	.05	.04
IN.	.02	.05	.40	4.11	2.80	4.74	.56	7.31	7.98	4.14	.06	.05

CAL YR 1988	TOTAL 17836.24	MEAN 48.7	MAX 2540	MIN .00	AC-FT 35380	CFSM .61	IN. 8.27
WTR YR 1989	TOTAL 69463.70	MEAN 190	MAX 10700	MIN .00	AC-FT 137800	CFSM 2.37	IN. 32.22

e Estimated.

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.41	8.48	8.35	11.59	14.79	13.67	10.46	7.98	7.67	16.29	7.25	7.89
2	7.43	8.32	8.31	9.16	11.79	15.67	9.32	8.12	10.28	16.40	7.08	7.85
3	7.41	8.37	8.28	8.68	11.81	15.39	8.94	7.95	11.03	15.79	7.00	7.85
4	7.54	8.38	8.24	8.50	13.68	14.06	8.69	8.03	14.33	15.52	7.02	7.84
5	8.10	8.38	8.21	8.37	11.50	12.95	8.46	8.80	15.56	14.70	7.06	7.83
6	8.23	8.43	8.21	8.26	10.32	14.20	8.28	9.81	15.57	13.01	7.11	7.81
7	8.36	8.43	8.27	8.23	9.63	12.24	8.17	8.47	14.47	14.69	7.11	7.80
8	8.37	8.43	8.43	8.33	9.32	9.98	8.09	8.08	14.38	13.90	7.15	7.77
9	8.37	8.43	8.68	8.36	9.32	9.35	8.03	7.95	15.01	10.29	7.26	7.76
10	8.36	8.46	8.72	8.37	9.06	9.00	7.96	7.90	12.40	8.82	7.39	7.87
11	8.34	8.59	9.97	8.43	8.85	8.80	7.90	7.89	9.07	8.34	7.46	8.02
12	8.32	8.58	9.61	9.63	8.87	8.65	7.84	7.88	8.45	8.03	7.54	7.97
13	8.29	8.63	8.71	15.37	11.85	8.52	7.81	7.93	8.09	7.81	7.54	7.94
14	8.26	8.93	8.50	15.85	11.67	8.44	7.96	8.06	13.57	7.86	7.56	9.56
15	8.23	8.58	8.41	15.67	10.41	8.36	11.37	8.78	15.18	7.84	7.56	7.97
16	8.20	8.46	8.37	14.81	11.38	8.26	9.88	11.22	12.99	7.61	7.59	7.67
17	8.17	8.80	8.35	11.43	14.87	8.18	8.59	15.92	9.31	7.50	7.64	7.56
18	8.14	8.66	8.29	10.06	15.01	8.14	8.20	19.56	8.35	7.38	7.65	7.50
19	8.13	8.49	8.26	11.45	13.75	8.11	8.01	15.94	7.95	7.45	7.67	7.46
20	8.11	8.48	8.25	10.56	12.56	8.06	7.93	15.03	7.71	7.35	7.64	7.48
21	8.08	8.41	8.26	9.43	15.25	8.08	7.86	11.65	7.54	7.22	7.66	7.44
22	8.06	8.36	8.31	8.85	15.06	8.36	7.78	9.32	7.43	7.14	7.67	7.32
23	8.03	8.44	9.37	8.60	12.10	8.41	7.71	8.65	7.35	7.11	7.66	7.35
24	7.99	8.37	8.67	8.48	9.83	8.20	7.64	8.29	7.33	7.42	7.70	7.40
25	7.96	8.31	8.37	8.41	9.29	8.08	7.60	8.05	7.27	7.38	7.72	7.42
26	8.57	8.50	8.25	8.52	9.07	10.62	7.56	7.84	7.22	7.63	7.75	7.42
27	9.01	9.15	8.35	11.37	8.98	16.43	7.53	7.68	12.45	7.40	7.74	7.42
28	8.71	8.85	11.42	11.15	9.04	15.73	7.62	7.56	17.18	7.29	7.75	7.42
29	8.55	8.57	11.51	11.27	---	15.15	7.65	7.47	17.20	7.27	7.74	7.44
30	8.55	8.44	10.08	16.14	---	15.22	7.87	7.41	16.40	7.40	7.82	7.43
31	8.52	---	13.62	15.82	---	14.15	---	7.35	---	7.33	7.90	---
MAX	9.01	9.15	13.62	16.14	15.25	16.43	11.37	19.56	17.20	16.40	7.90	9.56
MIN	7.41	8.31	8.21	8.23	8.85	8.06	7.53	7.35	7.22	7.11	7.00	7.32

SABINE RIVER BASIN

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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, October 1988 to September 1989.

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

AVERAGE DISCHARGE.--32 years (water years 1956-86, 1989), 153 ft³/s, 14.04 in/yr, 110.800 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 discharge, 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)
Jan. 14	0200	8,040	21.38	May 19	0200	10,500	22.46
Feb. 21	0100	1,880	12.90	June 28	0830	*13,500	*23.52
Mar. 29	1130	2,170	13.86	July 2	0530	*13,500	*23.52

Minimum discharge, 5.1 ft³/s, Oct. 18, 19, 20, 22, 23, 24, gage height, 2.80 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	14	12	167	478	163	368	33	40	6640	133	19
2	6.3	15	11	114	259	548	225	42	37	10700	97	19
3	6.6	14	11	76	205	969	182	32	42	3500	104	17
4	15	11	11	61	195	465	156	29	82	1590	68	16
5	11	9.5	11	50	175	315	133	97	82	554	52	15
6	8.1	8.7	11	43	161	306	113	212	69	607	44	14
7	6.8	7.9	11	39	153	224	99	93	175	466	39	15
8	6.0	7.5	18	42	135	170	91	49	872	418	36	19
9	5.9	7.3	39	48	134	141	87	35	168	252	34	20
10	5.9	7.2	75	45	138	123	81	30	83	187	32	35
11	5.8	7.4	318	332	121	111	72	28	62	153	31	42
12	6.0	8.2	360	1550	114	102	68	26	53	130	30	39
13	6.0	11	113	4550	136	94	64	23	50	115	29	25
14	5.8	18	55	6860	143	88	69	24	128	224	28	21
15	5.5	18	58	3230	123	81	107	79	365	421	26	19
16	5.4	14	109	1630	120	75	132	166	179	164	26	18
17	5.3	11	87	443	310	71	89	987	87	109	29	17
18	5.2	9.9	47	768	390	69	69	4020	60	85	30	16
19	5.1	11	33	1140	244	65	61	7130	47	72	41	15
20	5.2	24	27	753	473	93	58	2280	40	86	28	14
21	5.2	36	24	481	1560	416	52	648	36	108	24	14
22	5.2	23	23	286	1080	1180	46	216	32	73	25	13
23	5.2	17	32	207	350	978	41	158	32	59	25	13
24	5.3	14	142	175	211	410	38	126	31	60	25	12
25	5.5	12	101	159	170	225	36	102	30	79	24	12
26	12	12	56	150	152	187	34	85	30	67	23	13
27	20	13	52	202	142	1020	32	71	5100	69	22	13
28	46	14	456	214	172	1090	30	62	12100	60	21	13
29	26	19	529	428	---	1710	34	55	9670	68	19	13
30	19	15	150	1390	---	1820	33	49	6270	116	19	13
31	16	---	100	1260	---	1400	---	44	---	248	19	---
TOTAL	297.6	409.6	3082	26893	8044	14709	2700	17031	36052	27480	1183	544
MEAN	9.60	13.7	99.4	868	287	474	90.0	549	1202	886	38.2	18.1
MAX	46	36	529	6860	1560	1820	368	7130	12100	10700	133	42
MIN	5.1	7.2	11	39	114	65	30	23	30	59	19	12
AC-FT	590	812	6110	53340	15960	29180	5360	33780	71510	54510	2350	1080
CFSM	.06	.09	.67	5.86	1.94	3.21	.61	3.71	8.12	5.99	.26	.12
IN.	.07	.10	.77	6.76	2.02	3.70	.68	4.28	9.06	6.91	.30	.14

WTR YR 1989 TOTAL 138425.2 MEAN 379 MAX 12100 MIN 5.1 AC-FT 274600 CFSM 2.56 IN. 34.79

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO. LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.82	3.21	3.08	5.38	7.20	5.35	6.65	3.74	3.87	20.37	5.20	3.46
2	2.87	3.26	3.05	4.88	6.05	7.38	5.82	3.90	3.82	22.43	4.84	3.45
3	2.90	3.21	3.05	4.45	5.68	9.43	5.50	3.70	3.92	17.06	4.92	3.40
4	3.23	3.10	3.03	4.23	5.61	7.14	5.29	3.63	4.53	11.80	4.49	3.36
5	3.11	3.04	3.03	4.06	5.45	6.39	5.08	4.45	4.52	7.57	4.23	3.32
6	2.97	3.00	3.03	3.93	5.33	6.34	4.88	5.72	4.35	7.80	4.09	3.30
7	2.90	2.96	3.03	3.86	5.26	5.82	4.73	4.63	4.94	7.17	3.99	3.31
8	2.86	2.94	3.26	3.92	5.10	5.41	4.64	4.03	8.86	6.92	3.91	3.45
9	2.85	2.93	3.77	4.02	5.09	5.16	4.59	3.79	5.36	6.00	3.86	3.48
10	2.85	2.93	4.35	3.97	5.13	4.98	4.52	3.67	4.53	5.55	3.83	3.85
11	2.85	2.94	6.33	5.77	4.97	4.86	4.40	3.61	4.25	5.26	3.80	4.04
12	2.86	2.98	6.60	11.61	4.89	4.76	4.33	3.56	4.11	5.05	3.77	3.97
13	2.86	3.12	4.86	18.28	5.11	4.67	4.29	3.50	4.07	4.90	3.75	3.65
14	2.85	3.36	4.13	20.73	5.18	4.60	4.35	3.51	4.95	5.62	3.72	3.53
15	2.83	3.36	4.16	16.84	4.99	4.51	4.81	4.41	6.65	6.89	3.68	3.46
16	2.82	3.21	4.82	11.93	4.95	4.43	5.07	5.08	5.45	5.47	3.67	3.42
17	2.82	3.10	4.57	7.03	6.32	4.38	4.61	9.48	4.58	4.98	3.75	3.40
18	2.81	3.06	4.00	8.41	6.79	4.34	4.34	16.96	4.21	4.71	3.78	3.36
19	2.81	3.12	3.73	10.10	5.95	4.30	4.23	20.65	4.01	4.56	4.01	3.33
20	2.81	3.52	3.60	8.46	6.90	4.61	4.18	14.13	3.89	4.72	3.71	3.31
21	2.81	3.79	3.52	7.24	11.75	6.69	4.09	7.92	3.79	4.96	3.62	3.28
22	2.81	3.48	3.50	6.21	9.86	10.29	3.98	5.76	3.72	4.56	3.64	3.26
23	2.81	3.30	3.70	5.70	6.56	9.43	3.90	5.30	3.71	4.35	3.65	3.26
24	2.82	3.18	5.14	5.45	5.72	6.87	3.84	5.01	3.69	4.37	3.64	3.22
25	2.83	3.12	4.74	5.31	5.41	5.82	3.80	4.76	3.66	4.63	3.62	3.22
26	3.10	3.10	4.16	5.24	5.25	5.52	3.75	4.56	3.66	4.47	3.59	3.23
27	3.40	3.13	4.01	5.66	5.17	9.59	3.71	4.38	15.45	4.50	3.55	3.23
28	3.99	3.15	7.11	5.74	5.42	9.90	3.68	4.25	23.05	4.37	3.51	3.23
29	3.57	3.32	7.42	6.84	---	12.16	3.76	4.14	22.11	4.48	3.47	3.25
30	3.37	3.17	5.22	11.11	---	12.67	3.73	4.04	20.40	4.92	3.45	3.24
31	3.28	---	4.74	10.61	---	11.09	---	3.95	---	6.06	3.46	---
MAX	3.99	3.79	7.42	20.73	11.75	12.67	6.65	20.65	23.05	22.43	5.20	4.04
MIN	2.81	2.93	3.03	3.86	4.89	4.30	3.68	3.50	3.66	4.35	3.45	3.22

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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.

REMARKS.--No estimated daily discharges. Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Several measurements of water temperature were made during the year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,700 ft³/s, June 29, gage height, 24.26 ft; minimum, 12 ft³/s, Oct. 24, 25, gage height, 2.90 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	41	17	1190	1520	470	2520	228	109	18400	236	54
2	34	34	17	793	1090	847	1320	171	191	16400	244	65
3	63	28	17	607	805	1570	860	175	531	15600	256	62
4	41	23	17	473	649	1350	650	363	235	9870	223	55
5	26	21	17	349	511	1580	532	859	188	5320	185	48
6	21	19	17	287	442	1510	405	623	154	4430	157	50
7	18	17	18	247	397	1050	318	335	130	3400	142	110
8	17	17	28	259	346	747	267	221	586	2030	135	184
9	18	16	162	286	312	568	269	166	1020	1120	105	147
10	23	16	149	313	275	456	250	145	963	818	81	125
11	18	16	455	634	253	381	207	128	833	404	71	256
12	16	17	518	2620	242	328	173	100	618	274	63	244
13	15	27	337	2840	249	290	157	87	412	281	61	230
14	14	43	243	3100	257	260	190	80	805	342	58	162
15	13	33	203	3530	270	239	344	74	1580	540	54	124
16	13	28	275	3550	285	237	287	90	968	370	53	93
17	13	25	266	2880	464	211	226	273	640	348	51	73
18	13	24	233	1960	659	195	189	4790	434	301	48	60
19	13	24	188	2470	533	193	172	12300	325	253	55	52
20	13	29	156	2820	646	380	161	10600	257	263	71	44
21	13	37	147	2370	3060	1130	142	5790	202	254	49	39
22	13	31	169	1360	3880	1750	127	3310	162	211	44	35
23	13	25	577	948	4050	2000	110	1160	183	182	44	31
24	13	24	610	721	2820	1610	100	541	160	162	56	35
25	12	22	368	580	1250	1070	92	404	133	150	65	33
26	29	21	255	481	815	801	84	315	119	148	73	27
27	85	21	206	436	641	1410	79	260	2200	161	64	27
28	85	20	1060	394	547	1270	173	222	13900	139	58	25
29	138	19	1360	549	---	1990	260	188	27400	126	58	26
30	66	19	1060	1360	---	3100	214	156	23400	135	98	26
31	46	---	1140	1610	---	3170	---	128	---	183	72	---
TOTAL	932	737	10285	42017	27268	32163	10878	44282	78838	82615	3030	2542
MEAN	30.1	24.6	332	1355	974	1038	363	1428	2628	2665	97.7	84.7
MAX	138	43	1360	3550	4050	3170	2520	12300	27400	18400	256	256
MIN	12	16	17	247	242	193	79	74	109	126	44	25
AC-FT	1850	1460	20400	83340	54090	63800	21580	87830	156400	163900	6010	5040
CFSM	.08	.07	.91	3.71	2.67	2.84	.99	3.91	7.20	7.30	.27	.23
IN	.09	.08	1.05	4.28	2.78	3.28	1.11	4.51	8.03	8.42	.31	.26
CAL YR 1988	TOTAL 99604		MEAN 272		MAX 2360		MIN 12		AC-FT 197600		CFSM .75	
WTR YR 1989	TOTAL 335587		MEAN 919		MAX 27400		MIN 12		AC-FT 665600		CFSM 2.52	
									IN. 10.15		IN. 34.20	

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	3.24	2.98	9.65	11.10	6.15	15.14	4.63	3.79	22.86	4.69	3.36
2	3.18	3.18	2.97	7.77	9.19	7.98	10.22	4.24	4.29	22.52	4.75	3.45
3	3.45	3.11	2.98	6.85	7.84	11.30	8.10	4.26	6.41	22.39	4.83	3.42
4	3.26	3.06	2.98	6.16	7.06	10.35	7.06	5.36	4.68	21.38	4.60	3.37
5	3.11	3.03	2.97	5.43	6.36	11.36	6.47	8.09	4.36	20.17	4.33	3.31
6	3.05	3.00	2.97	5.02	5.99	11.07	5.77	6.93	4.12	19.66	4.14	3.32
7	3.01	2.97	2.99	4.76	5.73	9.00	5.23	5.33	3.94	17.93	4.03	3.79
8	2.99	2.97	3.10	4.84	5.41	7.55	4.90	4.58	6.60	13.22	3.98	4.33
9	3.01	2.97	4.16	5.02	5.19	6.65	4.91	4.20	8.84	9.29	3.76	4.07
10	3.06	2.96	4.08	5.20	4.95	6.07	4.78	4.05	8.58	7.90	3.57	3.90
11	3.00	2.96	5.98	6.74	4.81	5.63	4.49	3.93	7.98	5.73	3.49	4.82
12	2.97	2.97	6.39	15.56	4.73	5.30	4.25	3.72	6.91	4.94	3.43	4.75
13	2.95	3.10	5.35	16.39	4.78	5.05	4.14	3.62	5.81	4.99	3.42	4.65
14	2.94	3.26	4.73	17.28	4.83	4.85	4.37	3.57	7.74	5.37	3.40	4.18
15	2.93	3.16	4.46	18.37	4.91	4.71	5.40	3.52	11.34	6.50	3.36	3.90
16	2.93	3.11	4.95	18.40	5.02	4.70	5.03	3.64	8.61	5.56	3.36	3.67
17	2.93	3.07	4.89	16.48	6.09	4.52	4.62	4.93	7.02	5.43	3.34	3.51
18	2.92	3.07	4.67	12.94	7.11	4.41	4.36	18.23	5.94	5.12	3.31	3.41
19	2.92	3.06	4.36	14.97	6.48	4.39	4.24	21.78	5.27	4.80	3.36	3.35
20	2.92	3.12	4.13	16.32	6.95	5.44	4.16	21.50	4.83	4.87	3.49	3.27
21	2.93	3.20	4.07	14.58	17.12	9.37	4.03	20.34	4.45	4.81	3.32	3.22
22	2.92	3.14	4.22	10.40	18.99	12.08	3.92	17.66	4.17	4.52	3.27	3.18
23	2.92	3.08	6.70	8.51	19.25	13.09	3.79	9.41	4.32	4.32	3.27	3.14
24	2.91	3.06	6.86	7.42	16.16	11.48	3.72	6.52	4.16	4.17	3.37	3.18
25	2.90	3.04	5.54	6.71	9.89	9.09	3.66	5.77	3.97	4.09	3.45	3.17
26	3.10	3.03	4.82	6.20	7.88	7.82	3.59	5.21	3.86	4.08	3.51	3.10
27	3.61	3.03	4.48	5.96	7.02	10.62	3.56	4.85	12.94	4.17	3.44	3.10
28	3.60	3.01	9.03	5.71	6.55	10.00	4.24	4.59	21.90	4.00	3.40	3.07
29	4.00	3.01	10.39	6.50	---	12.96	4.84	4.36	24.07	3.91	3.40	3.09
30	3.46	2.99	9.01	10.41	---	17.28	4.54	4.13	23.56	3.98	3.70	3.09
31	3.29	---	9.41	11.51	---	17.50	---	3.93	---	4.32	3.51	---
MAX	4.00	3.26	10.39	18.40	19.25	17.50	15.14	21.78	24.07	22.86	4.83	4.82
MIN	2.90	2.96	2.97	4.76	4.73	4.39	3.56	3.52	3.79	3.91	3.27	3.07

SABINE RIVER BASIN

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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.

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 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)
OCT 20...	1115	833	6.95	22.0	420	2.6	7.1	2.3	120	120	56
APR 27...	1030	301	7.02	23.5	80	45	6.9	2.1	180	450	23

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 WAT WH TOT FET 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 20...	19	2.1	150	7.8	65	160	94	0.7	21	545	494
APR 27...	7.0	1.4	51	2.6	30	45	36	0.6	14	195	187

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHOROUS TOTAL (MG/L AS P)	ARSENIC TOTAL (µG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (µG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (µG/L AS BE)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM DIS- SOLVED (µG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CD)
OCT 20...	--	1.3	0.96	0.31	<1	<1	<10	<10	<1	<1	<10
APR 27...	55	0.26	0.35	0.20	--	--	--	--	--	--	--

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	CHROMIUM, TOTAL RECOVERABLE (µG/L AS CR)	CHROMIUM, RECOVERED FM BOT-TOM MATERIAL (µG/G)	CHROMIUM, HEXAVALENT DIS. (µG/L AS CR)	COPPER, TOTAL RECOVERABLE (µG/L AS CU)	COPPER, RECOVERED FM BOT-TOM MATERIAL (µG/G AS CU)	IRON, DIS-SOLVED (µG/L AS FE)	IRON, RECOVERED FM BOT-TOM MATERIAL (µG/G AS FE)	LEAD, TOTAL RECOVERABLE (µG/L AS PB)	LEAD, DIS-SOLVED (µG/L AS PB)	LEAD, RECOVERED FM BOT-TOM MATERIAL (µG/G AS PB)	MANGANESE, RECOVERED FM BOT-TOM MATERIAL (µG/G)
OCT 20...	<10	<1	<1	3	<1	400	230	<5	<5	<100	22

DATE	MERCURY TOTAL RECOVERABLE (µG/L AS HG)	MERCURY DIS-SOLVED (µG/L AS HG)	MERCURY RECOVERED FM BOT-TOM MATERIAL (µG/G AS HG)	NICKEL, TOTAL RECOVERABLE (µG/L AS NI)	NICKEL, DIS-SOLVED (µG/L AS NI)	SELENIUM, TOTAL (µG/L AS SE)	SELENIUM, DIS-SOLVED (µG/L AS SE)	VANADIUM, DIS-SOLVED (µG/L AS V)	ZINC, TOTAL RECOVERABLE (µG/L AS ZN)	ZINC, DIS-SOLVED (µG/L AS ZN)	ZINC, RECOVERED FM BOT-TOM MATERIAL (µG/G AS ZN)
OCT 20...	<0.1	0.1	<0.01	1	<1	<1	<1	14	20	20	<10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	PCB, TOTAL (µG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (µG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (µG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (µG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	CHLORDANE, TOTAL IN BOT-TOM MATERIAL (µG/L)	CHLORDANE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDD, TOTAL (µG/L)
OCT 20...	10	<0.1	<100	<0.1	<100	<0.01	<10	<0.01	<10	<0.01

DATE	DDD, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDE, TOTAL (µG/L)	DDE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDT, TOTAL (µG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DI-AZINON, TOTAL (µG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DI-ELDRIN, TOTAL (µG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ENDO-SULFAN, TOTAL (µG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (µG/KG)
OCT 20...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10

DATE	ENDRIN, TOTAL (µG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ETHION, TOTAL (µG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	HEPTACHLOR, TOTAL (µG/L)	HEPTACHLOR, TOTAL IN BOT-TOM MATERIAL (µG/KG)	HEPTACHLOR EPOXIDE, TOTAL (µG/L)	HEPTACHLOR EPOXIDE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	LINDANE, TOTAL (µG/L)	LINDANE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	MALATHION, TOTAL (µG/L)
OCT 20...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<100	<0.01	<10	<0.01

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

SABINE RIVER BASIN

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08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	METH- OXY- CHLOR, TOTAL CHLOR, TOTAL (µG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (µG/KG)	METHYL PARA- THION, TOTAL PARA- THION, TOTAL (µG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (µG/KG)	METHYL TRI- THION, TOTAL TRI- THION, TOTAL (µG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (µG/KG)	MIREX, TOTAL MIREX, TOTAL (µG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	PARA- THION, TOTAL PARA- THION, TOTAL (µG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)
OCT 20...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10

DATE	PER- THANE TOTAL (µG/L)	PER- THANE IN BOT- TOM MA- TERIAL (µG/KG)	TOX- APHENE, TOTAL (µG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	TOTAL TRI- THION (µG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (µG/KG)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)
OCT 20...	<0.01	<10	<0.5	<500	<0.01	<10	<0.1	0.8	0.2	<0.1

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

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 1989

ANNUAL MAXIMUM DISCHARGE AT CREST SINCE THE RECORD STATIONS DURING WATER YEAR 1969					Annual maximum		
Station number	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN							
07348725	Indian Creek at Shongaloo, La.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 159, and 0.8 mi southeast of Shongaloo.	33.1	1966-89	6-28-89	43.08	2,090
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	1966-89	5-18-89	12.09	5,370
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, 1974-89	5- 5-89	45.85	3,700
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	1966-89	6-28-89	23.09	5,220
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.	a47	1966-89	5- 5-89	48.03	13,500
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	1966-89	5- 5-89	12.49	1,280
07366420	Bayou Choudrant near Calhoun, La.	Lat 32°32'35", long 92°22'50", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi northwest of Calhoun.	113	1966-89	5- 5-89	48.09	26,600
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 east of Eros.	8.76	1968-89	5- 5-89	12.64	(b)
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	1984-89	5-18-89	39.42	5,590

See footnotes at end of table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989--CONTINUED

Station number	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							
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, 1974-89	5-18-89	11.81	5,220
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.	a24	1965-89	6-29-89	47.09	12,500
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	1966-89	8- 2-89	c18.76	1,130
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	1966-89	3- 3-89	13.03	9,260
07377210	Sandy Creek near Pride, La.	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carson Road, 0.8 mi east of intersection of Carson Road with State Highway 409, and 1.9 mi southeast of Pride.	69.9	1976-89	1- 2-89	c88.82	3,220
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	1964-89	6-28-89	c46.21	d2,410
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	1966-89	5-18-89 6-28-89	11.50 11.50	645 645
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, 1975-89	5-20-89	24.03	6,130
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, 1974-89	5-18-89	17.90	22,400
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	1967-89	5-18-89	11.16	2,230

a Approximately.

b Discharge not determined.

c Elevation; National Geodetic Vertical Datum (NGVD) of 1929.

d May have been higher.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

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 1989

Station number	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", Washington Parish, at bridge on State Highway 437, and 0.5 mi south of Enon.	1,107	1950-63, 1973-89	3-31-89	101.97
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.	(a)	1979-85b, 1986-89c	4- 2-89	168.21
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.	(a)	1963-89	5- 5-89	d152.30
07351200	Brush Bayou at Shreveport, La.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi southwest of Shreveport city hall.	3.4	1960-89	11-26-88 6- 4-89	182.61 185.24
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	1960-89	11-26-88 6- 4-89	163.69 160.12
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	1981-85b, 1986-89c	5-19-89	116.68
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	1960-65e, 1966-89	5- 5-89	179.61
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.	(f)	1963-89	7- 7-89	80.55
07364203	Bayou Bartholomew northwest of Jones, La.	Lat 32°58'55", long 91°42'00", Morehouse Parish, on right bank, 3.2 mi northwest of Jones.	g1,190	1973-85b, 1986-89c	7-20-89	h25.03
07364535	Ouachita River at Sterlington, La.	Lat 32°41'46", long 92°05'12", Ouachita-Union Parish line, on bridge on State Highway 2 at Sterlington.	12,953	1979-85b, 1986-89c	3-10-89	77.41
07366365	Bayou D'Arbonne below dam, near Downs ville, La.	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downs ville.	1,607	1978-89	7- 2-89	74.04
07367030	Black Bayou at West Monroe, La.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit, at West Monroe.	(a)	1978-89	5- 5-89	h42.30

See footnotes at end of table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
RED RIVER BASIN--CONTINUED						
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.	(a)	1974-85b, 1986-89c	1-15-89	61.91
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.	(a)	1978-89	5- 5-89	j68.16
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.	(a)	1978-89	5- 5-89	k64.51
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.	(a)	1973-85b, 1986-89c	7- 9-89	61.08
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.	(a)	1975-80b, 1981-89	7- 3-89	73.61
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.	(a)	1975-80b, 1981-89	1-13-89	73.01
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	1954-59e, 1978-89	1-13-89	72.54
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 northwest of Tallulah.	(a)	1978-80b, 1981-89	1-13-89	74.72
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.	(a)	1975-85b, 1986-89c	1-15-89	71.33
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	1938-46m, 1948-57m, 1958-73c, 1974-85b, 1986-89c	7- 3-89	h44.52
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.	(a)	1972-82b, 1983-87e, 1988-89	n2-16-82 n4- 6-83 n12-11-83 n2-23-85 n10-28-85 n8-11-87 n2- 2-88 6-28-89	76.20 79.40 77.48 74.82 76.63 76.10 76.88 78.59
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.	(a)	1963-70, 1971-89c	6-28-89	60.05
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.	(a)	1975-89	6-28-89	59.13

See footnotes at end of table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MONTE SANO BAYOU BASIN--CONTINUED						
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.	(a)	1975-89	6-28-89	43.74
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.	(a)	1975-89	1- 2-89	112.42
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	1974-85b, 1986-89	1- 2-89	64.32
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.	(a)	1982-89b	1- 2-89	53.46
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.	(a)	1972-84b, 1986-87e, 1988-89	6-29-89	77.77
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.	(a)	1962-75, 1977-89	6-28-89	91.45
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.	(a)	1962-89	6-28-89	69.31
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.	(a)	1972-84b, 1986-87e, 1988-89	6-28-89	e15.21
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.	(a)	1967-69, 1971-89	1989	<68.0
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.	(a)	1962-65, 1967-89	6-28-89	52.23
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.	(a)	1962-89	6-28-89	50.08
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.	(a)	1975-89	6-28-89	72.91
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	1962-89	6-28-89	p49.95

See footnotes at end of table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
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.	(a)	1967-89	6-28-89	45.11
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.	(a)	1962-89	6-28-89	41.83
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.	(a)	1967, 1969-89	8-12-87 2-18-88 9- 4-88 6-28-89	q51.79 q47.85 q49.56 48.86
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.	(a)	1962-89	6-28-89	43.91
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, La.	Lat 30°30'20", long 90°02'24", East Baton Rouge Parish, at bridge on Greenwell Springs Road, 9.4 mi northeast of Baton Rouge Post Office.	(a)	1981-88b, 1989c	6-29-89	41.58
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.	(a)	1972-89	6-28-89	69.69
07378091	Beaver Bayou tributary 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.	(a)	1983-89	6-28-89	59.54
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	1972-89	6-28-89	54.69
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.	(a)	1967-89	6-28-89	48.40
07378600	Jones Creek at Florida Boulevard, 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.	(a)	1962-89	6-28-89	45.31
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.	(a)	1967-89	6-28-89	39.84
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.	(a)	1967-89	6-28-89	38.09
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.	(a)	1967-89	6-28-89	37.02
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.	(a)	1962-89	6-28-89	36.33

See footnotes at end of table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
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.	(a)	1967-89	6-28-89	43.06
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	1967-89	6-28-89	23.50
07378720	Clay Cut Bayou at Siegen 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.	(a)	1967-89	6-28-89	26.26
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.	(a)	1967-89	6-28-89	15.14
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.	(a)	1962-89	7- 1-89	19.42
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.	(a)	1962-66, 1969-89	7- 1-89	17.58
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.	(a)	1967-89	7- 1-89	13.10
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	1954-67b, 1969-73c, 1975-89c	5- 6-89 6-28-89	40.55 43.65
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.	(a)	1970-89	5- 6-89 6-28-89	39.73 41.60
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.	(a)	1963-70, 1975-89	5- 6-89 6-28-89	29.99 29.73
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.	(a)	1968-89	6-28-89	40.56
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.	(a)	1962-89	6-28-89	32.14
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.	(a)	1962-89	2-11-87 2-13-88 6-28-89	h,r17.33 h,r17.32 h19.43
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	1971-89c	5- 4-89 6-28-89	25.98 25.57

See footnotes at end of table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
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	1971-89c	5- 4-89 6-28-89	22.76 23.63
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	1971-89	5- 4-89 6-28-89	20.82 23.69
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.	(a)	1962-70, 1971-89c	6-28-89	24.31
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.	(a)	1962-89	6-28-89	23.13
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	1947-53b, 1955-68e, 1972-89c	5- 6-89 6-28-89	(t) 20.50
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.	(a)	1963-89	1989	<7.8
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.	(a)	1963-89	1989	<8.3
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.	(a)	1963-89	1989	<7.4
07380231	Soniat Canal at Harahan, La.	Lat 29°56'25", long 90°11'54", Jefferson Parish, on Bellgrove Street at Soniat Canal.	(a)	1989c	3-21-89	h18.69
073802361	Murphy Canal at Harvey, La.	Lat 29°52'19", long 90°18'51", Jefferson Parish, .25 mi west of Harvey Canal bridge on Lapalco Boulevard on upstream side of bridge.	(a)	1989c	3-21-89	h11.09
073802369	Saul Canal at Waggaman, La.	Lat 29°56'53", long 90°14'25", Jefferson Parish, at intersection of Azalea Street and Delores Street behind Live Oak fire station.	(a)	1989c	3-21-89	h5.72
073802373	West Tish Ditch at Avondale, La.	Lat 29°47'39", long 90°12'27", Jefferson Parish, on corner of U.S. 90 and West Tish Street behind Avondale fire station.	(a)	1989c	3-21-89	h21.18
07381002	Bayou Lafourche below weir at Thibodaux, La.	Lat 29°47'56", long 90°04'11", Lafourche Parish, on Canal Street, 1200 ft below State Highway 20 at Thibodaux and approximately 200 ft below weir.	(a)	1986-89c	5-19-89	4.60

See footnotes at end of table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1989

Station number	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
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	1946-75m, 1976-85b, 1986-89c	7-15-89	30.99
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	1972-85b, 1986-89c	5-19-89	19.63
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.	(a)	1947-85b, 1986-89c	7-14-89	21.59
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.	(a)	1985-85b, 1986-89c	7-14-89	12.25
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.	(a)	1986-88c	7-15-89	u20.87
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.	(a)	1959-85b, 1986-88c	1989	(t)

< Less than amount shown.

a Drainage area not determined.

b Operated as a continuous-record gaging station.

c Operated as a continuous-record gaging station, daily records unpublished.

d Prior to October 1, 1988, at datum 112.71 ft lower.

e Operated as a crest-stage partial-record station.

f Drainage area indeterminate.

g Approximately.

h Gage datum, NGVD of gage not determined.

j Prior to October 1, 1987, at datum 22.02 ft lower.

k Prior to October 1, 1987, at datum 19.86 ft lower.

m Operated as a continuous-record gaging station by the Corps of Engineers.

n Republished to NGVD.

p During period April 20 to September 30.

q Datum change (-0.10 ft).

r Maximum elevations found to be in error (+1.00 ft).

t Missing records.

u From flood mark.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1989

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1989						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
RED RIVER BASIN						
Bayou Bonne Idée	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.	(a)	1984-88	10-12-88	0
					11-14-88	0
					12-12-88	0
					1- 9-89	199
					2-13-89	0
					3-13-89	0
					4-10-89	0
					5- 8-89	930
					6-12-89	82
					7-10-89	654
					8-14-89	(b)
					9-11-89	(b)
Pine Creek	Big Creek	Lat 32°15'30", long 91°44'57", Franklin Parish, at bridge on State Highway 15, at Baskin.	(a)	1984-88	10-11-88	2.7
					11-14-88	1.3
					12-12-88	26.9
					1- 9-89	53.9
					2-13-89	38.3
					3-13-89	21.4
					4-10-89	19.1
					5- 8-89	638
					6-12-89	120
					7-10-89	178
					8-14-89	3.1
					9-11-89	3.8
Bayou Galion	Bayou Lafourche	Lat 32°50'40", long 91°43'08", Morehouse Parish, at bridge on Parish Road 6002, at Galion, La. Station is located at confluence with Bayou Bonn Idee.	(a)	1983-88	10-12-88	0
Little River	Black River	Lat 31°34'50", long 92°18'35", Grant-LaSalle Parish line, at bridge on State Highway 8, 7.0 mi northeast of Pollock.	2,254	1952-54, 1961-62, 1964-67, 1969, 1971, 1977, 1982-88	10-11-88	144
					11-14-88	812
					12-12-88	1,320
					1- 9-89	5,110
					2-13-89	6,000
					3-13-89	9,360
					4-10-89	8,140
					5- 8-89	3,060
					6-12-89	7,440
					7-10-89	28,900
					8-14-89	388
					9-11-89	322
MISSISSIPPI RIVER DELTA						
Big Creek	Tangipahoa River	Lat 30°47'44", long 90°27'06", Tangipahoa Parish, at bridge 4.1 mi northeast of Roseland.	38.4	1964-68, 1988	2-13-89	26.5
					3-13-89	29.2
					4-10-89	32.8
					5- 8-89	38.5
					6-12-89	42.7
					7-10-89	50.6
					8-14-89	29.9
					9-11-89	23.8
East Fork Big Creek	Tangipahoa River	Lat 30°47'27", long 90°26'37", Tangipahoa Parish, at bridge 4.4 mi northeast of Roseland.	31.2	1964-68, 1988	2-13-89	17.2
					3-13-89	23.7
					4-10-89	21.5
					5- 8-89	27.4
					6-12-89	29.4
					7-10-89	31
					8-14-89	17
					9-11-89	14

a Drainage area not determined.

b No flow.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
14...	1130	240000	193	125000	98
27...	1130	223000	128	77000	98
NOV					
10...	1100	210000	141	80000	99
24...	1100	346000	384	358000	98
DEC					
07...	1100	389000	197	206000	97
21...	1145	446000	169	204000	96
JAN					
05...	1030	1360000	454	1670000	83
20...	1030	667000	279	502000	85
FEB					
05...	1100	929000	276	692000	87
16...	1030	1100000	324	964000	87
29...	1230	769000	176	365000	89
MAR					
15...	1030	903000	272	662000	85
29...	0930	635000	168	287000	93
APR					
12...	1000	942000	286	729000	90
25...	1030	818000	192	423000	90
MAY					
09...	1100	470000	121	154000	94
23...	1030	329000	139	124000	95
JUN					
07...	0945	254000	74	50600	95
20...	1000	188000	85	43300	98
JUL					
05...	1000	141000	54	20600	99
18...	1000	162000	193	84500	89
AUG					
01...	1000	220000	104	61700	97
16...	1030	172000	74	34300	97
30...	1000	186000	80	40300	99
SEP					
13...	1000	162000	88	38400	98
26...	1000	183000	126	62400	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1987					
21...	0745	16000	301	13000	100
28...	0845	13500	151	5520	99
NOV					
04...	0845	9430	210	5340	98
DEC					
02...	0845	137000	594	220000	82
08...	1410	159000	286	123000	98
JAN 1988					
06...	0845	198000	1070	572000	83
27...	0845	185000	542	271000	68
FEB					
10...	0845	145000	330	129000	83
24...	0845	140000	407	154000	87
MAR					
09...	0815	131000	911	322000	53
23...	0815	143000	464	179000	66
APR					
06...	0815	187000	749	378000	69
20...	0815	114000	295	90900	91
MAY					
04...	0815	50000	115	15500	99
JUN					
08...	0815	40000	109	11800	99
15...	0815	33000	127	11300	78
22...	0815	32000	63	5420	98

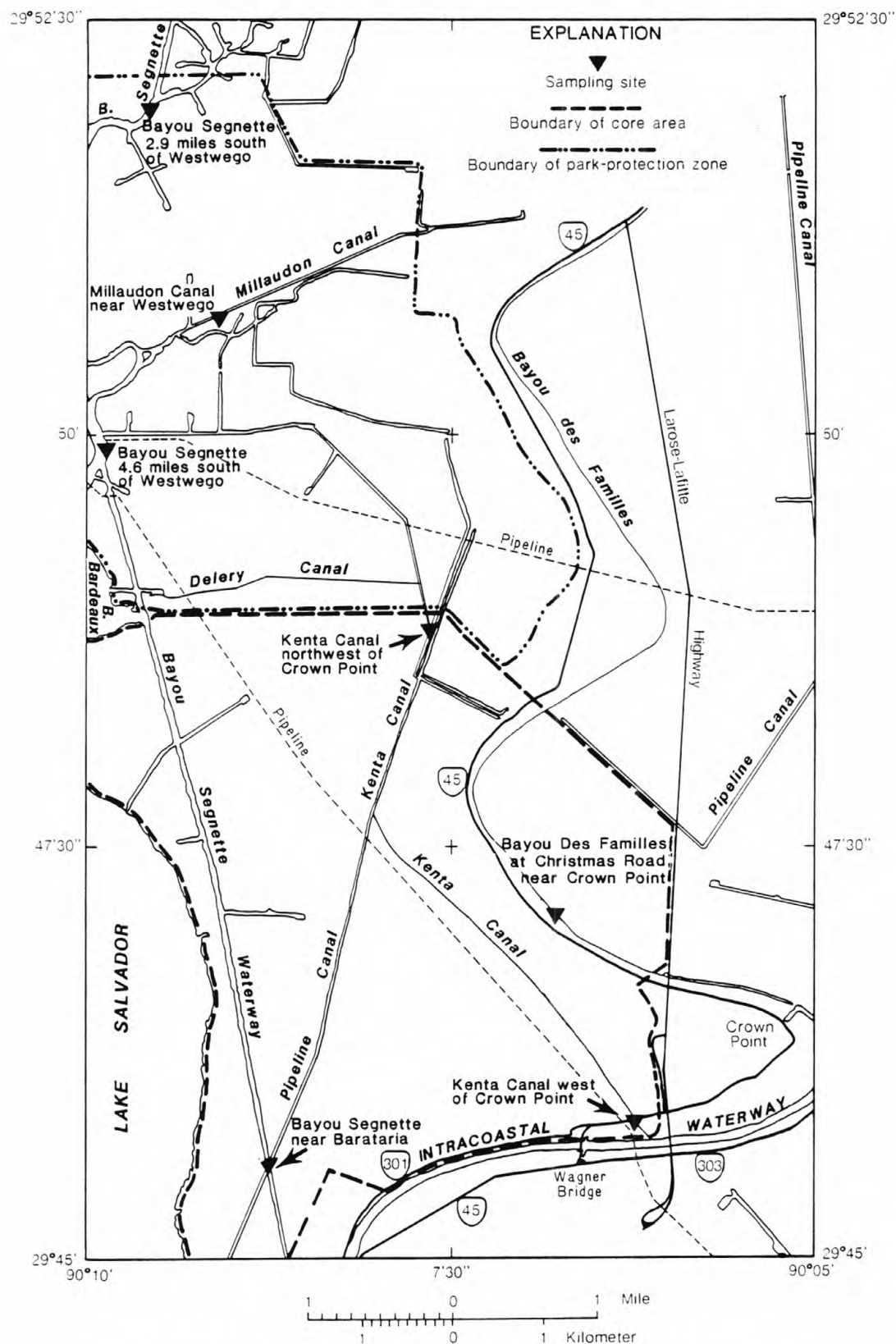


Figure 14.--Location of sampling sites in the Barataria unit, Jean Lafitte National Historical Park.

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 HISTORIC PARK, IN COOPERATION WITH THE NATIONAL PARK SERVICE]

295202090093200 BAYOU SEGNETTE 2.9 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μ S/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)
MAR 23...	1030	969	7.65	16.5	60	22	5.4	2.2	K5500
MAY 23...	0900	1420	7.64	28.0	40	12	4.3	3.1	<4
JUL 20...	1110	1280	7.18	31.0	80	1.6	3.4	2.7	K76
SEP 27...	1030	1300	7.19	21.0	70	17	6.0	1.3	K340

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 23...	13000	160	35	17	120	7.2	86	58	200
MAY 23...	<50	200	37	26	210	9.1	88	67	330
JUL 20...	92	180	36	23	190	7.0	113	35	320
SEP 27...	120	180	33	24	180	8.1	121	36	300

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- PHOROUS TOTAL (MG/L AS P)
MAR 23...	0.3	4.7	570	499	1.10	0.18	0.98	0.59
MAY 23...	0.4	3.2	835	735	E0.46	E0.02	E0.70	E0.46
JUL 20...	0.4	7.3	790	687	0.02	0.02	1.0	0.44
SEP 27...	0.3	7.9	740	662	0.03	0.02	0.97	0.30

< 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).

E Estimated.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued
 295040090091600 MILLAUDON CANAL NEAR WESTWEGO, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (μ S/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)
MAR 23...	1045	466	7.50	14.5	50	32	6.4	3.1	K9600
MAY 23...	0915	1370	7.75	27.0	50	3.8	2.7	4.1	<20
JUL 20...	1215	1050	7.38	31.0	60	10	5.0	4.9	K50
SEP 27...	1015	1400	7.10	22.0	80	3.6	3.5	2.0	160

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 23...	K7500	100	26	8.6	50	3.7	75	35	78
MAY 23...	K260	210	42	26	190	8.1	115	40	320
JUL 20...	K4	200	46	21	130	6.0	144	20	240
SEP 27...	110	180	30	25	220	8.3	110	26	350

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- PHOROUS TOTAL (MG/L AS P)
MAR 23...	0.2	5.6	263	255	0.59	0.20	0.66	0.50
MAY 23...	0.5	4.5	812	700	E0.04	E0.18	E0.90	E0.40
JUL 20...	0.4	11	663	561	0.04	0.07	0.92	0.49
SEP 27...	0.4	6.4	800	732	<0.02	0.06	1.1	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).

E Estimated.

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued

294957090095300 BAYOU SEGNETTE 4.6 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)
MAR 23...	1130	1260	7.60	15.5	70	15	6.4	1.6	3000
MAY 23...	0930	1410	7.68	27.5	50	7.5	5.2	3.0	<20
JUL 20...	1030	1300	7.35	30.0	60	1.2	6.1	2.9	K200
SEP 27...	0935	1200	7.00	21.5	40	9.4	6.7	1.4	230

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 23...	6800	170	31	23	190	8.2	79	48	300
MAY 23...	K80	180	30	25	200	9.0	71	57	340
JUL 20...	K90	170	27	24	200	8.7	80	45	340
SEP 27...	230	130	16	23	180	8.5	57	37	300

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- PHOROUS TOTAL (MG/L AS P)
MAR 23...	0.3	3.2	725	653	0.38	0.12	0.79	0.32
MAY 23...	0.4	2.4	831	699	E0.03	E0.02	E0.60	E0.19
JUL 20...	0.3	4.3	790	697	<0.02	<0.01	0.71	0.18
SEP 27...	0.2	5.8	662	605	0.03	0.04	0.72	0.05

DATE	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (µG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	ARSENIC DIS- SOLVED (µG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (µG/G AS AS)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (µG/G)	CADMIUM DIS- SOLVED (µG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CD)
MAY 23...	160	<0.5	<1	2	6	<10	3	<1	<1

DATE	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (µG/G)	COPPER, DIS- SOLVED (µG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS PB)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
MAY 23...	<10	10	2	30	30	<5	20	20

< 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).

E Estimated.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued
 294957090095300 BAYOU SEGNETTE 4.6 MILES SOUTH OF WESTWEGO, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

		MANGA-NESE, RECOV. FM BOT-TOM MATERIAL (µG/G)	MERCURY DIS-SOLVED (µG/L AS HG)	NICKEL, DIS-SOLVED (µG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MATERIAL (µG/G AS NI)	SELE-NIUM, DIS-SOLVED (µG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MATERIAL (µG/G)	ZINC, DIS-SOLVED (µG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MATERIAL (µG/G AS ZN)		
MAY 23...		660	<0.1	4	30	<1	<1	<10	120		
DATE	PCB, TOTAL (µG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (µG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (µG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ALDRIN, TOTAL (µG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	CHLOR-DANE, TOTAL (µG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDD, TOTAL (µG/L)	DDD, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDE, TOTAL (µG/L)
MAY 23...	<0.1	<100	<0.1	<100	<0.01	<10	<0.01	<10	<0.01	<10	<0.01
DATE	DDE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDT, TOTAL (µG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DI-AZINON, TOTAL (µG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DI-ELDRIN, TOTAL (µG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ENDO-SULFAN, TOTAL (µG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ENDRIN, TOTAL (µG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)
MAY 23...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10
DATE	ETHION, TOTAL (µG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	HEPTA-CHLOR, TOTAL (µG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (µG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (µG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (µG/KG)	LINDANE TOTAL (µG/L)	LINDANE TOTAL IN BOT-TOM MATERIAL (µG/KG)	MALA-THION, TOTAL (µG/L)	MALA-THION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	
MAY 23...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	METH-OXY-CHLOR, TOTAL (µG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (µG/KG)	METHYL PARA-THION, TOTAL (µG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (µG/KG)	METHYL TRI-THION, TOTAL (µG/L)	MIREX, TOTAL (µG/L)	MIREX, TOTAL IN BOT-TOM MATERIAL (µG/KG)	PARA-THION, TOTAL (µG/L)	PARA-THION, TOTAL IN BOT-TOM MATERIAL (µG/KG)		
MAY 23...	<0.01	<10	<0.01	<10	<0.01	<0.01	<10	<0.01	<10		
DATE	PER-THANE TOTAL (µG/L)	PER-THANE TOTAL IN BOT-TOM MATERIAL (µG/KG)	TOX-APHENE, TOTAL (µG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	TOTAL TRI-THION (µG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	2,4-D, TOTAL (µG/L)	2, 4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	
MAY 23...	<0.01	<10	<0.5	<500	<0.01	<10	<0.1	<0.1	<0.1	<0.1	

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

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294844090073900 KENTA CANAL NORTHWEST OF CROWN POINT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)
MAR 23...	1115	1610	7.65	16.0	100	0.0	4.4	1.2	K170
MAY 23...	1000	1330	7.11	28.5	50	1.5	3.0	2.9	<4
JUL 20...	1050	1340	6.91	30.5	120	0.70	3.9	4.0	K24
SEP 27...	1000	1940	7.12	22.0	120	19	6.0	5.7	K23

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 23...	780	180	28	26	240	8.7	91	32	420
MAY 23...	K52	160	26	23	200	8.4	67	46	340
JUL 20...	K80	160	25	23	210	6.3	89	12	370
SEP 27...	60	210	31	31	310	10	110	17	510

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- PHOROUS TOTAL (MG/L AS P)
MAR 23...	0.3	3.9	901	837	0.03	0.08	0.85	0.17
MAY 23...	0.3	2.6	797	687	E0.02	E0.11	E1.2	E0.10
JUL 20...	0.4	7.8	848	708	<0.02	<0.01	1.1	0.10
SEP 27...	0.1	10	1100	985	<0.02	<0.01	1.3	0.06

DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (µG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	ARSENIC DIS- SOLVED (µG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (µG/G AS AS)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (µG/G)	CADMIUM DIS- SOLVED (µG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CD)
MAY 23...	220	<0.5	<1	<1	4	<10	<1	1	<1

DATE	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (µG/G)	COPPER, DIS- SOLVED (µG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS CU)	IRON, DIS- SOLVED (µG/L AS FE)	LEAD, DIS- SOLVED (µG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (µG/G AS PB)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
MAY 23...	<10	2	4	10	60	<5	<10	130

< 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).

E Estimated.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294844090073900 KENTA CANAL NORTHWEST OF CROWN POINT, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

		MANGA-NESE, RECOV. FM BOT-TOM MATERIAL (μG/G)	MERCURY DIS-SOLVED (μG/L AS HG)	NICKEL, DIS-SOLVED (μG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MATERIAL (μG/G AS NI)	SELE-NIUM, DIS-SOLVED (μG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MATERIAL (μG/G)	ZINC, DIS-SOLVED (μG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MATERIAL (μG/G AS ZN)		
MAY 23...		200	0.1	4	20	<1	<1	40	40		
DATE	PCB, TOTAL (μG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (μG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (μG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (μG/KG)	ALDRIN, TOTAL (μG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (μG/KG)	CHLOR-DANE, TOTAL (μG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MATERIAL (μG/KG)	DDD, TOTAL (μG/L)	DDD, TOTAL IN BOT-TOM MATERIAL (μG/KG)	DDE, TOTAL (μG/L)
MAY 23...	<0.1	<100	<0.1	<100	<0.01	<10	<0.01	<10	<0.01	<10	<0.01
DATE	DDE, TOTAL IN BOT-TOM MATERIAL (μG/KG)	DDT, TOTAL (μG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (μG/KG)	DI-AZINON, TOTAL (μG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (μG/KG)	DI-ELDRIN, TOTAL (μG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (μG/KG)	ENDO-SULFAN, TOTAL (μG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (μG/KG)	ENDRIN, TOTAL (μG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (μG/KG)
MAY 23...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10
DATE	ETHION, TOTAL (μG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (μG/KG)	HEPTA-CHLOR, TOTAL (μG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (μG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (μG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (μG/KG)	LINDANE, TOTAL (μG/L)	LINDANE, TOTAL IN BOT-TOM MATERIAL (μG/KG)	MALATHION, TOTAL (μG/L)	MALATHION, TOTAL IN BOT-TOM MATERIAL (μG/KG)	
MAY 23...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	METH-OXY-CHLOR, TOTAL (μG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (μG/KG)	METHYL PARATHION, TOTAL (μG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (μG/KG)	METHYL TRI-THION, TOTAL (μG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (μG/KG)	MIREX, TOTAL (μG/L)	MIREX, TOTAL IN BOT-TOM MATERIAL (μG/KG)	PARATHION, TOTAL (μG/L)	PARATHION, TOTAL IN BOT-TOM MATERIAL (μG/KG)	
MAY 23...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	PER-THANE, TOTAL (μG/L)	PER-THANE, TOTAL IN BOT-TOM MATERIAL (μG/KG)	TOXAPHENE, TOTAL (μG/L)	TOXAPHENE, TOTAL IN BOT-TOM MATERIAL (μG/KG)	TOTAL TRI-THION (μG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (μG/KG)	2,4-D, TOTAL (μG/L)	2,4-DP, TOTAL (μG/L)	2,4,5-T, TOTAL (μG/L)	SILVEX, TOTAL (μG/L)	
MAY 23...	<0.01	<10	<0.5	<500	<0.01	<10	<0.1	<0.1	<0.1	<0.1	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294539090084500 BAYOU SEGNETTE NEAR BARATARIA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPECIFIC CONDUCTANCE (µS/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (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)
MAR 23...	1200	2410	7.65	16.0	80	8.0	6.2	1.6	680
MAY 23...	0945	1400	7.58	28.0	60	5.7	4.4	2.5	<10
JUL 20...	1000	1220	6.85	30.5	50	18	5.3	2.3	K10
SEP 27...	0930	3190	7.09	21.0	50	0.90	5.6	2.1	92

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (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 WAT WH TOT FET FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
MAR 23...	1600	250	34	40	390	20	82	86	660
MAY 23...	K80	170	27	25	210	9.3	65	53	350
JUL 20...	K28	150	22	23	180	8.8	64	45	320
SEP 27...	100	310	31	56	520	22	73	110	880

DATE	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)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AM- MONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHOROUS TOTAL (MG/L AS P)
MAR 23...	0.3	2.9	1390	1280	0.16	0.12	0.80	0.18
MAY 23...	0.6	1.9	842	716	E0.08	E0.04	E0.64	E0.10
JUL 20...	0.3	3.7	721	641	<0.02	<0.01	0.73	0.15
SEP 27...	0.1	4.9	1840	1670	0.05	0.06	0.78	0.06

DATE	NITROGEN, NH4 TOTAL IN BOT- TOM MAT. (MG/KG AS N)	CYANIDE TOTAL IN BOT- TOM MAT- TERIAL (µG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	ARSENIC DIS-SOLVED (µG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MAT- TERIAL (µG/G AS AS)	BERYL- LIUM, DIS-SOLVED (µG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MAT- TERIAL (µG/G)	CADMIUM DIS-SOLVED (µG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MAT- TERIAL (µG/G AS CD)
MAY 23...	250	<0.5	<1	2	5	<10	<1	1	<1

DATE	CHROMIUM, RECOV. FM BOT- TOM MAT- TERIAL (µG/L AS CR)	CHROMIUM, RECOV. FM BOT- TOM MAT- TERIAL (µG/G)	COPPER, DIS-SOLVED (µG/L AS CU)	COPPER, RECOV. FM BOT- TOM MAT- TERIAL (µG/G AS CU)	IRON, DIS-SOLVED (µG/L AS FE)	LEAD, DIS-SOLVED (µG/L AS PB)	LEAD, RECOV. FM BOT- TOM MAT- TERIAL (µG/G AS PB)	MANGANESE, DIS-SOLVED (µG/L AS MN)
MAY 23...	<10	10	2	30	40	<5	30	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).

E Estimated.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294539090084500 BAYOU SEGNETTE NEAR BARATARIA, LA
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

		MANGA-NESE, RECOV. FM BOT-TOM MATERIAL (µG/G)	MERCURY DIS-SOLVED (µG/L AS HG)	NICKEL, DIS-SOLVED (µG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MATERIAL (µG/G AS NI)	SELE-NIUM, DIS-SOLVED (µG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MATERIAL (µG/G)	ZINC, DIS-SOLVED (µG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MATERIAL (µG/G AS ZN)		
MAY 23...		1200	<0.1	3	30	<1	<1	<10	140		
DATE	PCB, TOTAL (µG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (µG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (µG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ALDRIN, TOTAL (µG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	CHLOR-DANE, TOTAL (µG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDD, TOTAL (µG/L)	DDD, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDE, TOTAL (µG/L)
MAY 23...	<0.1	<100	<0.1	<100	<0.01	<10	<0.01	<10	<0.01	<10	<0.01
DATE	DDE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DDT, TOTAL (µG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DI-AZINON, TOTAL (µG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (µG/KG)	DI-ELDRIN, TOTAL (µG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ENDO-SULFAN, TOTAL (µG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (µG/KG)	ENDRIN, TOTAL (µG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (µG/KG)
MAY 23...	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10
DATE	ETHION, TOTAL (µG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	HEPTA-CHLOR, TOTAL (µG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (µG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (µG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (µG/KG)	LINDANE TOTAL (µG/L)	LINDANE TOTAL IN BOT-TOM MATERIAL (µG/KG)	MALA-THION, TOTAL (µG/L)	MALA-THION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	
MAY 23...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	METH-OXY-CHLOR, TOTAL (µG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (µG/KG)	METHYL PARA-THION, TOTAL (µG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (µG/KG)	METHYL TRI-THION, TOTAL (µG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (µG/KG)	MIREX, TOTAL (µG/L)	MIREX, TOTAL IN BOT-TOM MATERIAL (µG/KG)	PARA-THION, TOTAL (µG/L)	PARA-THION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	
MAY 23...	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	<0.01	<10	
DATE	PER-THANE TOTAL (µG/L)	PER-THANE IN BOT-TOM MATERIAL (µG/KG)	TOX-APHENE, TOTAL (µG/L)	TOX-APHENE, TOTAL IN BOT-TOM MATERIAL (µG/KG)	TOTAL TRI-THION (µG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (µG/KG)	2,4-D, TOTAL (µG/L)	2,4-DP TOTAL (µG/L)	2,4,5-T TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	
MAY 23...	<0.01	<10	<0.5	<500	<0.01	<10	<0.1	<0.1	<0.1	<0.1	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294551090061500 KENTA CANAL WEST OF CROWN POINT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)
MAR 23...	1310	1380	7.40	14.5	100	3.0	7.4	3.1	1400
MAY 23...	1120	1550	7.29	27.0	70	0.9	3.0	3.0	<20
JUL 21...	0900	1560	7.45	28.0	120	65	4.1	2.9	62
SEP 27...	1200	909	7.15	22.0	30	45	6.1	1.4	K520

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 23...	K5200	190	34	25	200	8.2	80	36	340
MAY 23...	520	220	39	29	220	8.6	102	49	360
JUL 21...	110	230	42	30	240	6.6	131	22	410
SEP 27...	210	170	36	19	100	7.6	98	42	180

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- PHOROUS TOTAL (MG/L AS P)
MAR 23...	0.4	5.1	793	697	0.05	0.13	0.98	0.26
MAY 23...	0.5	6.4	883	774	<0.02	E0.10	E0.38	E0.23
JUL 21...	0.5	12	957	842	0.02	<0.01	1.2	0.25
SEP 27...	0.3	4.2	518	450	0.42	0.02	0.64	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).

E Estimated.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294702090064300 BAYOU DES FAMILLES AT CHRISTMAS ROAD NEAR CROWN POINT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (µS/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (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)
MAR 23...	1315	786	7.58	15.0	100	4.0	10.8	1.6	310
MAY 23...	1140	635	7.49	28.0	60	1.6	3.6	3.3	<4
JUL 21...	0930	1020	7.20	28.0	80	11	1.9	3.0	K24
SEP 27...	1445	592	7.08	22.0	80	4.6	3.5	1.8	120

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (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 WAT WH TOT FET FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 23...	660	140	32	15	92	6.1	87	21	170
MAY 23...	K30	140	33	14	77	4.4	96	29	120
JUL 21...	56	160	33	18	140	4.9	93	10	260
SEP 27...	160	130	29	13	66	1.7	109	18	100

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- PHOROUS TOTAL (MG/L AS P)
MAR 23...	0.4	6.8	464	396	0.03	0.09	0.72	0.41
MAY 23...	0.7	7.1	378	343	E0.06	E0.20	E0.97	E0.39
JUL 21...	0.4	9.4	657	532	<0.02	0.03	1.0	0.35
SEP 27...	0.4	12	348	306	<0.02	0.06	0.85	0.30

< 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).

E Estimated.

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U.S. GEOLOGICAL 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. 5, 1988	65.50	DEC. 22, 1988	61.61H	MAR. 5, 1989	58.04	MAY 20, 1989	69.79
OCT. 10	66.15	DEC. 25	61.26	MAR. 10	57.97	MAY 25	68.66
OCT. 12	66.11H	DEC. 31	60.66	MAR. 15	58.72	MAY 31	70.00
OCT. 15	66.15	JAN. 5, 1989	60.25	MAR. 20	61.42	JUNE 1	70.60H
OCT. 20	65.92	JAN. 10	59.96	MAR. 25	63.65	JUNE 5	72.86
OCT. 25	65.96	JAN. 15	59.60	MAR. 29	64.07H	JUNE 6	72.95J
OCT. 31	66.02	JAN. 20	59.33	MAR. 31	63.72	JUNE 10	71.75
NOV. 5	66.25	JAN. 25	59.01	APR. 5	63.74	JUNE 15	70.96
NOV. 10	65.68	JAN. 31	58.63	APR. 10	64.47	JUNE 20	69.61
NOV. 15	65.28	FEB. 5	58.50	APR. 15	64.94	JUNE 25	68.84
NOV. 20	65.00	FEB. 7	58.45H	APR. 20	65.86	JUNE 30	67.74
NOV. 25	64.84	FEB. 10	58.53	APR. 25	68.35	JULY 5	66.75
NOV. 30	65.01	FEB. 15	58.42	APR. 30	70.50	JULY 10	66.01
DEC. 5	65.22	FEB. 20	58.24	MAY 5	71.01	JULY 11	65.83H
DEC. 6	65.22H	FEB. 25	58.09	MAY 10	70.42	AUG. 3	63.45H
DEC. 10	64.96	FEB. 28	57.91	MAY 15	70.29	SEP. 7	62.75H
DEC. 15	64.59	MAR. 1	57.88J				

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-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. 12, 1988	58.87	APR. 4, 1989	58.54	JULY 11, 1989	59.96	SEP. 7, 1989	60.53

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U.S. GEOLOGICAL 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. 12, 1988	56.41	APR. 4, 1989	52.47	JULY 11, 1989	56.53	SEP. 7, 1989	55.02

ALLEN PARISH

304922092401801 LOCAL WELL NUMBER: AL-138

OWNER: CITY OF OAKDALE. (SEC. 4, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE EVANGELINE AQUIFER OF MIOCENE AGE, DIAM 10 IN., DEPTH 904 FT, SCREENED 740-760, 812-855, 864-874, AND 884-904. MP EDGE OF VENT PIPE, 1.62 ABOVE LSD.
 LSD 105 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.00 BELOW LSD, OCT. 10, 1949.
 LOWEST WATER LEVEL 56.00 BELOW LSD, OCT. 5, 1951.
 RECORDS AVAILABLE 1949-51, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1949	33.00R	JAN. 23, 1951	47.50	OCT. 5, 1951	56.00	SEP. 28, 1989	50.28
NOV. 15, 1950	38.88						

SEE FOOTNOTES AT END OF TABLE.

ALLEN PARISH

303004092541101 LOCAL WELL NUMBER: AL-241

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 6S., R. 5W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.
 LSD 42.97 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961.
 LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1957-79, 1981, 1983, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1989	31.51						

ASCENSION PARISH

301544090543901 LOCAL WELL NUMBER: AN-267

OWNER: CITY OF GONZALES. (SEC. 16, T. 9S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 10 IN., DEPTH 488 FT, SCREENED 388-488. MP VALVE ON HORIZONTAL PIPE, 3.27 FT ABOVE LSD.
 LSD 7 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 5.10 ABOVE LSD, JUNE 21, 1989.
 LOWEST WATER LEVEL 3.30 ABOVE LSD, JULY 11, 1989, SEP. 5, 1989.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 21, 1989	+5.10	JULY 11, 1989	+3.30	SEP. 5, 1989	+3.30		

AVOYELLES PARISH

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U.S. GEOLOGICAL 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.
 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, 1985-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1989	35.92	SEP. 26, 1989	35.96				

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 365-370. MP TOP OF BUSHING, 3.35 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 55.02 BELOW LSD, JULY 18, 1973.
 LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.
 RECORDS AVAILABLE 1966-84, 1986-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 26, 1989	62.75						

311708092073701 LOCAL WELL NUMBER: AV-329

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 4N., R. 3E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF THE PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 45 FT, SCREENED 42-45. MP TOP OF CASING, AT LSD.
 LSD 45.6 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.10 ABOVE LSD, MAR. 15, 1973.
 LOWEST WATER LEVEL 13.00 BELOW LSD, OCT. 27, 1983.
 RECORDS AVAILABLE 1968-76, 1980-85, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1988	7.70	MAR. 7, 1989	4.60	JUNE 21, 1989	5.50	SEP. 26, 1989	9.82

BEAUREGARD PARISH

303644093020401 LOCAL WELL NUMBER: BE-430

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN. GALV. PIPE, 3.00 FT ABOVE LSD.
LSD 120 FT ABOVE NGVD.

HIGHEST WATER LEVEL 59.38 BELOW LSD, SEP. 22, 1989.
LOWEST WATER LEVEL 61.40 BELOW LSD, MAR. 7, 1979.
RECORDS AVAILABLE 1974-79, 1981, 1983, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1989	59.38						

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U.S. GEOLOGICAL 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. 4, 1988	36.67	JAN. 6, 1989	36.46	APR. 4, 1989	35.17	JULY 24, 1989	34.90
OCT. 6	35.23	MAR. 30	34.99	JULY 11	34.28		

BIENVILLE PARISH

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, 1979-86, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 9, 1989	112.45						

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U.S. GEOLOGICAL 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 231.65 BELOW LSD, APR. 5, 1989.
RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1988	227.55	APR. 5, 1989	231.65C	MAY 11, 1989	226.62	JULY 25, 1989	227.39
JAN. 3, 1989	225.45						

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U.S. GEOLOGICAL 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 173.88 BELOW LSD, JAN. 3, 1989.
RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1988	170.32	JAN. 3, 1989	173.88	MAR. 31, 1989	170.94	JULY 26, 1989	170.33

SEE FOOTNOTES AT END OF TABLE.

BOSSIER PARISH

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U.S. GEOLOGICAL 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 17.53 BELOW LSD, NOV. 2, 1988.

RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1988	17.53	JAN. 3, 1989	16.59	APR. 5, 1989	14.10	JULY 25, 1989	13.20

CALCASIEU PARISH

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. 3, 1988	109.92H	JAN. 5, 1989	103.89	APR. 5, 1989	106.10	JULY 11, 1989	108.36H
OCT. 5	110.20	JAN. 10	104.55	APR. 10	105.70	JULY 14	111.50J
OCT. 10	109.60	JAN. 15	103.05	APR. 15	104.85	JULY 15	108.60
OCT. 15	109.62	JAN. 20	103.68	APR. 20	106.10	JULY 20	107.83
OCT. 20	109.05	JAN. 25	103.41	APR. 25	106.85	JULY 25	108.51
OCT. 25	108.61	JAN. 31	103.39H	APR. 30	103.55	JULY 31	108.71
OCT. 31	106.20	FEB. 1	102.03J	MAY 5	103.26	AUG. 3	108.49H
NOV. 5	107.48	FEB. 5	107.38	MAY 10	104.71	AUG. 5	108.43
NOV. 10	107.60	FEB. 10	108.01	MAY 15	105.94	AUG. 10	107.87
NOV. 15	107.20	FEB. 15	106.16	MAY 20	104.54	AUG. 15	107.74
NOV. 20	106.88	FEB. 20	106.24	MAY 25	106.70	AUG. 20	109.07
NOV. 25	105.40	FEB. 25	106.49	MAY 31	108.39H	AUG. 25	109.45
NOV. 30	107.02	FEB. 28	106.58	JUNE 5	108.54	AUG. 31	107.18
DEC. 5	106.65H	MAR. 5	104.98	JUNE 10	108.59	SEP. 5	108.01
DEC. 10	105.88	MAR. 10	105.81	JUNE 15	108.83	SEP. 7	108.44H
DEC. 15	106.95	MAR. 15	105.78	JUNE 20	111.02	SEP. 10	109.28
DEC. 20	106.02	MAR. 20	105.52	JUNE 25	110.66	SEP. 15	108.58
DEC. 22	106.57H	MAR. 25	104.98	JUNE 30	108.34	SEP. 20	108.26
DEC. 25	104.86	MAR. 28	105.56H	JULY 5	108.78	SEP. 25	107.74
DEC. 31	104.95	MAR. 31	105.43	JULY 10	108.07	SEP. 30	107.43

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. 3, 1988	88.48	MAR. 28, 1989	84.28	JULY 11, 1989	87.43	SEP. 7, 1989	88.05

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 850 FT, SCREENED 840-850. MP TOP OF 2-IN. CASING, 1.99 FT ABOVE LSD.

LSD 11.42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963.

LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.

RECORDS AVAILABLE 1963-85, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 1, 1989	71.78						

CALCASIEU PARISH

301336093183002 LOCAL WELL NUMBER: CU-771

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 241 FT, SCREENED 231-241. MP TOP OF 2-IN. CASING, 2.02 FT ABOVE LSD.
 LSD 17.76 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 54.97 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 83.83 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1963-79, 1981-85, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 1, 1989	58.90						

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (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 51.46 BELOW LSD, MAR. 28, 1989,
 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
OCT. 3, 1988	53.51	MAR. 28, 1989	51.46	JULY 11, 1989	51.59	SEP. 7, 1989	52.27

CAMERON PARISH

295846092381104 LOCAL WELL NUMBER: CN-80U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 453 FT, SCREENED 443-453. MP TOP OF 1-IN. PIPE, 3.32 FT ABOVE LSD.
 LSD 4.73 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 19.42 BELOW LSD, MAR. 22, 1965,
 LOWEST WATER LEVEL 30.80 BELOW LSD, JUNE 20, 1978.
 RECORDS AVAILABLE 1964-75, 1977-85, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 2, 1989	26.20						

300125092382504 LOCAL WELL NUMBER: CN-81L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN., DEPTH 478 FT, SCREENED 468-478. MP TOP OF 1-IN. PIPE, 3.18 FT ABOVE LSD.
 LSD 4.45 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965,
 LOWEST WATER LEVEL 32.37 BELOW LSD, MAY 11, 1982.
 RECORDS AVAILABLE 1964-83, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1989	26.55						

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U.S. GEOLOGICAL 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 278.25 BELOW LSD, JAN. 5, 1989.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1988	275.95	APR. 5, 1989	277.90	MAY 10, 1989	275.75	JULY 25, 1989	277.50
JAN. 5, 1989	278.25						

DE SOTO PARISH

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U.S. GEOLOGICAL 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 1977-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 9, 1989	80.33	APR. 4, 1989	80.42	JULY 27, 1989	79.81		

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U.S. GEOLOGICAL 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 14.85 BELOW LSD, JULY 26, 1989.

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
OCT. 3, 1988	16.10	JAN. 10, 1989	15.68	APR. 5, 1989	15.09	JULY 26, 1989	14.85

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER COMPANY. (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. 3, 1988	220.42	DEC. 1, 1988	225.50	APR. 12, 1989	233.73	JULY 12, 1989	220.81
OCT. 25	223.41	JAN. 25, 1989	228.73				

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, 1959-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	226.42						

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, 1956-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	68.41						

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

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 1956-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	44.28						

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 PLEISTOCENE 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 60.40 BELOW LSD, JULY 12, 1989.
 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. 12, 1988	72.89	JAN. 25, 1989	65.96	APR. 3, 1989	61.08	JULY 12, 1989	60.40

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: EAST BATON ROUGE CITY-PARISH. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE 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. 12, 1988	102.07	JAN. 25, 1989	97.88	APR. 3, 1989	94.34	JULY 12, 1989	98.99

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 58.22 BELOW LSD, APR. 16, 1989.
 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. 5, 1988	71.00	JAN. 31, 1989	62.77	APR. 20, 1989	60.73	JULY 11, 1989	59.21H
OCT. 10	74.77	FEB. 5	62.95	APR. 25	60.16	JULY 15	58.70
OCT. 15	76.39	FEB. 10	66.87	APR. 30	59.39	JULY 20	58.63
OCT. 20	73.45	FEB. 15	69.27	MAY 5	59.31	JULY 25	59.00
OCT. 25	74.59H	FEB. 20	65.04	MAY 10	59.44	JULY 31	60.36
OCT. 28	78.74J	FEB. 25	65.61	MAY 15	59.26	AUG. 5	59.63
DEC. 1	67.37H	FEB. 28	63.44	MAY 20	59.28	AUG. 10	59.80
DEC. 5	66.49	MAR. 5	62.16	MAY 25	59.26	AUG. 15	60.08
DEC. 10	65.62	MAR. 10	61.20	MAY 31	58.93	AUG. 20	60.41
DEC. 15	65.17	MAR. 15	60.36	JUNE 5	61.98	AUG. 25	60.89
DEC. 20	65.79	MAR. 20	59.88	JUNE 10	63.99	AUG. 31	61.39
DEC. 25	67.17	MAR. 25	59.20	JUNE 15	60.55	SEP. 5	62.00
DEC. 31	66.62	MAR. 31	59.47	JUNE 20	59.86	SEP. 10	65.62
JAN. 5, 1989	65.82	APR. 5	58.94	JUNE 25	61.98	SEP. 15	65.18
JAN. 10	65.49	APR. 10	58.68	JUNE 30	61.83	SEP. 20	67.42
JAN. 15	64.67	APR. 12	58.72H	JULY 5	60.24	SEP. 25	64.97
JAN. 20	64.21H	APR. 15	58.27	JULY 10	59.29	SEP. 30	63.85
JAN. 25	63.35	APR. 16	58.22J				

SEE FOOTNOTES AT END OF TABLE.

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER COMPANY. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE 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, 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1988	138.62	DEC. 2, 1988	139.63				

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA 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. 24, 1988	254.57	JAN. 25, 1989	258.33	MAR. 29, 1989	259.45	JULY 10, 1989	247.53
DEC. 2	257.34						

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 PLIOCENE 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, 1953-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	93.60						

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. 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
JAN. 19, 1989	53.28	MAR. 29, 1989	54.24	JULY 11, 1989	55.57		

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. 27, 1988	66.46	JAN. 20, 1989	66.17	MAR. 29, 1989	64.99	JULY 10, 1989	70.92

GROUND-WATER LEVELS

321

EAST BATON ROUGE PARISH

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 PLIOCENE 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 1972-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	104.26						

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. 5, 1988	278.74	JAN. 5, 1989	289.51	APR. 5, 1989	298.12	JULY 5, 1989	278.19
OCT. 10	279.66	JAN. 10	286.70	APR. 10	295.39	JULY 10	274.72H
OCT. 15	277.73	JAN. 15	286.35	APR. 12	296.58H	JULY 15	274.15
OCT. 20	280.68	JAN. 20	286.58	APR. 15	296.16	JULY 20	273.51
OCT. 25	280.23H	JAN. 25	288.54H	APR. 20	298.31	JULY 24	271.90J
OCT. 31	277.52	JAN. 31	287.98	APR. 21	296.98H	JULY 25	275.01
NOV. 5	281.94	FEB. 5	285.72	APR. 30	298.57	JULY 31	274.75
NOV. 10	282.12	FEB. 10	286.40	MAY 5	296.60	AUG. 5	276.86
NOV. 15	280.65	FEB. 15	287.35	MAY 10	295.33	AUG. 10	278.23
NOV. 20	282.34	FEB. 20	288.24	MAY 15	294.82	AUG. 15	281.50
NOV. 25	285.44	FEB. 25	294.64	MAY 20	295.11	AUG. 20	282.38
NOV. 30	285.93	FEB. 28	296.53	MAY 25	292.17	AUG. 25	288.07
DEC. 1	286.43H	MAR. 5	299.95	MAY 31	290.65	AUG. 31	287.07
DEC. 5	286.66	MAR. 10	299.34	JUNE 5	291.22	SEP. 5	289.80
DEC. 10	288.33	MAR. 15	297.12	JUNE 10	289.15	SEP. 10	289.32
DEC. 15	290.19	MAR. 20	295.03	JUNE 15	288.15	SEP. 15	289.31
DEC. 20	293.19	MAR. 25	297.77	JUNE 20	285.30	SEP. 20	288.41
DEC. 25	292.46	MAR. 31	296.78	JUNE 25	282.91	SEP. 25	290.17
DEC. 31	288.43	APR. 2	299.98J	JUNE 30	282.08	SEP. 30	289.19

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA 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 55.97 BELOW LSD, APR. 27, 1987.

LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.

RECORDS AVAILABLE 1961-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	57.78						

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. 28, 1988	62.39	JAN. 20, 1989	61.58	MAR. 29, 1989	60.83	JULY 10, 1989	61.75

SEE FOOTNOTES AT END OF TABLE.

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. WELL PLUGGED SEP. 7, 1989.

LSD 57 FT ABOVE NGVD.

HIGHEST WATER LEVEL 67.06 BELOW LSD, DEC. 15, 1988.

LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.

RECORDS AVAILABLE 1948, 1962, 1969-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1988	67.06						

303115091113701 LOCAL WELL NUMBER: EB-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED UNUSED INSTITUTIONAL 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 1953-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1988	52.65						

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 1955-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1988	+7.90						

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. MEASUREMENTS DISCONTINUED AFTER OCT. 26, 1988.

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, 1969-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1988	98.59						

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. 27, 1988	38.26	JAN. 19, 1989	38.39	MAR. 29, 1989	38.33	JULY 11, 1989	39.22

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

323

EAST BATON ROUGE PARISH

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 1958-86, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1988	80.78						

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 TOP OF 4-IN PIPE, 1.18 FT ABOVE LSD. PRIOR TO JULY 10, 1989, 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. 27, 1988	129.87	JAN. 20, 1989	135.73	MAR. 29, 1989	130.51	JULY 10, 1989	136.53

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. 26, 1988	151.53	JAN. 19, 1989	153.60	MAR. 29, 1989	153.61	JULY 10, 1989	150.96

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 58.35 BELOW LSD, OCT. 29, 1986.

RECORDS AVAILABLE 1958, 1970, 1972, 1980-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	52.84						

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U.S. GEOLOGICAL 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. 21, 1988	+0.90	MAY 26, 1989	+2.92	JULY 12, 1989	+2.00		

SEE FOOTNOTES AT END OF TABLE.

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	31.96						

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1988	25.69						

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	180.98						

302535091090402 LOCAL WELL NUMBER: EB-782A

OWNER: U.S. GEOLOGICAL 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. 20, 1988	26.50	JAN. 24, 1989	25.03	APR. 3, 1989	22.74	JULY 12, 1989	21.05

302502091113601 LOCAL WELL NUMBER: EB-783A

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	53.85						

GROUND-WATER LEVELS

325

EAST BATON ROUGE PARISH

302502091113602 LOCAL WELL NUMBER: EB-783B

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	+10.60						

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U.S. GEOLOGICAL 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 33.40 BELOW LSD, OCT. 12, 1988.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	33.40	JAN. 24, 1989	22.61	APR. 3, 1989	14.51	JULY 12, 1989	15.72

302511091070402 LOCAL WELL NUMBER: EB-789B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, 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 1,721 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 40.75 BELOW LSD, OCT. 20, 1987.
 RECORDS AVAILABLE 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	40.60						

302605091080602 LOCAL WELL NUMBER: EB-792B

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	182.14						

302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U.S. GEOLOGICAL 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 46.25 BELOW LSD, APR. 12, 1988,
 LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1988	51.21	DEC. 1, 1988	47.32				

SEE FOOTNOTES AT END OF TABLE.

302559091110801 LOCAL WELL NUMBER: EB-794

OWNER: U.S. GEOLOGICAL 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 1965-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	158.27						

302306091022602 LOCAL WELL NUMBER: EB-803B

OWNER: U.S. GEOLOGICAL 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 1966-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1988	+15.80						

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U.S. GEOLOGICAL 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
DEC. 14, 1988	94.93	JAN. 24, 1989	98.01	MAR. 30, 1989	98.91	JULY 12, 1989	96.86

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U.S. GEOLOGICAL 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1988	86.53	JAN. 24, 1989	87.12	MAR. 30, 1989	89.27	JULY 12, 1989	88.75

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U.S. GEOLOGICAL 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 65.86 BELOW LSD, OCT. 19, 1987.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1988	64.45	JAN. 24, 1989	60.47	MAR. 30, 1989	56.07	JULY 12, 1989	55.47

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

327

EAST BATON ROUGE PARISH

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U.S. GEOLOGICAL 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. 12, 1988	161.44	JAN. 25, 1989	159.26	APR. 3, 1989	161.86	JULY 12, 1989	172.81

302611091091201 LOCAL WELL NUMBER: EB-807A

OWNER: U.S. GEOLOGICAL 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 133.05 BELOW LSD, OCT. 20, 1988.

RECORDS AVAILABLE 1966-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	133.05						

302611091091202 LOCAL WELL NUMBER: EB-807B

OWNER: U.S. GEOLOGICAL 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 1966-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	185.04						

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 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1988	11.21						

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 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1988	8.79						

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 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1988	14.32						

302500091085801 LOCAL WELL NUMBER: EB-823

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 94, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 582 FT, SCREENED 574-582. MP TOP OF 2-IN. EXTENSION PIPE, 0.80 FT ABOVE LSD.
 LSD 33.34 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 5.49 BELOW LSD, APR. 16, 1973.
 LOWEST WATER LEVEL 28.69 BELOW LSD, AUG. 21, 1967.
 RECORDS AVAILABLE 1967-70, 1972-73, 1976, 1984, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 13, 1976	14.35	SEP. 30, 1976	28.25	OCT. 16, 1984	25.06	DEC. 5, 1988	23.92
SEP. 9	27.33	MAY 9, 1984	6.57				

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 31.03 BELOW LSD, JULY 12, 1989.
 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. 20, 1988	43.61	JAN. 24, 1989	37.98	APR. 3, 1989	32.99	JULY 12, 1989	31.03

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 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	41.54						

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 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	58.45						

GROUND-WATER LEVELS

329

EAST BATON ROUGE PARISH

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 1967-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1988	52.89						

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. 26, 1988	136.13	JAN. 19, 1989	136.43	MAR. 29, 1989	134.55	JULY 10, 1989	134.27

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U.S. GEOLOGICAL 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 51.77 BELOW LSD, JULY 17, 1989.
 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. 25, 1988	63.20	JAN. 25, 1989	58.23	APR. 3, 1989	52.96	JULY 17, 1989	51.77
DEC. 1	62.72						

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U.S. GEOLOGICAL 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. 27, 1988	17.36	JAN. 19, 1989	16.66	MAR. 29, 1989	16.25	JULY 11, 1989	15.69

303512091125901 LOCAL WELL NUMBER: EB-898

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 5S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 101 FT, SCREENED 98-101. MP TOP OF CASING, 3.05 FT ABOVE LSD.
 LSD 70 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 25.10 BELOW LSD, JUNE 20, 1973.
 LOWEST WATER LEVEL 32.33 BELOW LSD, NOV. 3, 1972.
 RECORDS AVAILABLE 1972-77, 1984, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1972	32.33	APR. 26, 1973	26.37	OCT. 25, 1973	30.19	JULY 15, 1975	25.83
DEC. 12	31.09	MAY 17	25.46	NOV. 28	29.80	APR. 13, 1976	27.18
JAN. 14, 1973	29.72	MAY 23	25.35	JAN. 22, 1974	27.52	MAY 12, 1977	28.83
FEB. 21	28.67	JUNE 20	25.10	APR. 22	25.29	MAY 10, 1984	25.77
MAR. 15	28.24	JULY 23	26.25	OCT. 24	30.18	OCT. 11	30.03
APR. 12	27.21	AUG. 22	28.07	MAY 6, 1975	25.27	DEC. 5, 1988	29.50

302614091083001 LOCAL WELL NUMBER: EB-917

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 95, 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 1,736 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 140.24 BELOW LSD, OCT. 20, 1988.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	140.24	JAN. 24, 1989	139.25	APR. 2, 1989	137.98	JULY 12, 1989	136.76

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 91, 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 1,834 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 1973-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	125.67						

303704091102201 LOCAL WELL NUMBER: EB-923

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 5S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 361 FT, SCREENED 351-361. MP TOP OF 2-IN. CASING, 0.50 FT BELOW LSD. WELL DESTROYED AFTER DEC. 5, 1988 MEASUREMENT.
 LSD 76 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.58 BELOW LSD, MAY 6, 1975.
 LOWEST WATER LEVEL 45.65 BELOW LSD, OCT. 24, 1974.
 RECORDS AVAILABLE 1974-77, 1984, 1988.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1974	38.81	MAY 6, 1975	37.58	MAY 12, 1977	44.90	OCT. 11, 1984	43.57
APR. 22	38.03	JULY 15	38.90	MAY 14, 1984	37.99	DEC. 5, 1988	45.19
OCT. 24	45.65	APR. 13, 1976	40.91				

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U.S. GEOLOGICAL 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 44.97 BELOW LSD, JULY 11, 1989.
 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
DEC. 14, 1988	51.50	JAN. 19, 1989	49.76	MAR. 29, 1989	46.39	JULY 11, 1989	44.97

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U.S. GEOLOGICAL 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
DEC. 14, 1988	40.20	JAN. 19, 1989	44.21	MAR. 29, 1989	42.15	JULY 11, 1989	40.54

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U.S. GEOLOGICAL 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. 25, 1988	41.61	JAN. 20, 1989	39.76	APR. 12, 1989	41.06	JULY 11, 1989	41.44
DEC. 1	41.03						

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U.S. GEOLOGICAL 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 61.81 BELOW LSD, APR. 12, 1989.
 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. 25, 1988	73.37	JAN. 20, 1989	69.68	APR. 12, 1989	61.81	JULY 11, 1989	64.85
DEC. 1	74.39						

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U.S. GEOLOGICAL 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 117.36 BELOW LSD, DEC. 1, 1988.
 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. 25, 1988	127.96	JAN. 20, 1989	126.94	APR. 12, 1989	117.73	JULY 11, 1989	136.22
DEC. 1	117.36						

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U.S. GEOLOGICAL 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. 26, 1988	52.50	JAN. 19, 1989	51.12	MAR. 29, 1989	51.95	JULY 10, 1989	52.51

302238091102501 LOCAL WELL NUMBER: EB-1015

OWNER: U.S. GEOLOGICAL 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 20.46 BELOW LSD, OCT. 20, 1988.
 RECORDS AVAILABLE 1979-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1988	20.46						

LOUISIANA - EAST FELICIANA PARISH

EAST BATON ROUGE PARISH

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U.S. GEOLOGICAL 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 46.54 BELOW LSD, OCT. 31, 1986.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1988	45.20	JAN. 19, 1989	44.42	MAR. 29, 1989	42.14	JULY 11, 1989	40.93

302605091100901 LOCAL WELL NUMBER: EB-1028

OWNER: U.S. GEOLOGICAL 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 175.10 BELOW LSD, APR. 27, 1987.

LOWEST WATER LEVEL 245.19 BELOW LSD, JULY 23, 1981.

RECORDS AVAILABLE 1981-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 12, 1988	195.89						

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMI-ARTESIAN 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
OCT. 4, 1988	26.01	JAN. 5, 1989	27.17	APR. 4, 1989	17.27	JULY 25, 1989	11.77

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
OCT. 28, 1988	81.13	MAY 24, 1989	80.70	SEP. 5, 1989	80.88		

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 BREATHER 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 151.27 BELOW LSD, JAN. 7, 1987.

RECORDS AVAILABLE 1959-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1988	132.74						

GROUND-WATER LEVELS

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EAST FELICIANA PARISH

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 1961-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1988	190.22						

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, 1.55 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
OCT. 26, 1988	115.06	AUG. 1, 1989	119.10	SEP. 5, 1989	120.31		

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 2S., R. 1E.) BORED DOMESTIC WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY 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, 1987-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1988	70.22						

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. 5, 1988	95.78H	FEB. 3, 1989	82.11H	MAY 15, 1989	94.13	JULY 31, 1989	85.69
OCT. 10	95.52	FEB. 5	82.06	MAY 20	92.32	AUG. 2	85.55H
OCT. 15	95.32	FEB. 10	81.80	MAY 25	90.96	AUG. 5	85.30
OCT. 20	95.35	FEB. 15	81.43	MAY 31	96.60H	AUG. 10	85.13
OCT. 25	94.71	FEB. 20	81.34	JUNE 5	99.75	AUG. 15	84.69
OCT. 31	94.40	FEB. 23	81.15J	JUNE 10	96.07	AUG. 20	84.47
NOV. 5	94.35	MAR. 31	87.94H	JUNE 15	92.63	AUG. 25	84.38
NOV. 10	94.01	APR. 6	88.62H	JUNE 20	91.39	AUG. 31	85.35
NOV. 15	93.75	APR. 10	89.61	JUNE 25	90.16	SEP. 5	85.71
NOV. 20	94.02	APR. 15	87.64	JUNE 30	89.20	SEP. 10	85.21
NOV. 25	93.82	APR. 20	87.20	JULY 5	88.03	SEP. 15	84.88
NOV. 30	93.72	APR. 25	94.00	JULY 10	87.45H	SEP. 20	84.59
DEC. 5	93.70	APR. 30	92.29	JULY 15	86.83	SEP. 25	83.76
DEC. 10	93.25	MAY 5	91.36	JULY 20	86.38	SEP. 28	83.60H
DEC. 15	92.98	MAY 10	93.25	JULY 25	86.59	SEP. 30	83.41
DEC. 20	92.80						

SEE FOOTNOTES AT END OF TABLE.

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U.S. GEOLOGICAL 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
OCT. 3, 1988	69.58	JAN. 9, 1989	69.68	APR. 3, 1989	69.32	JULY 25, 1989	68.67

313156092324101 LOCAL WELL NUMBER: G-314

OWNER: U.S. GEOLOGICAL 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
OCT. 3, 1988	53.82	JAN. 10, 1989	55.25	APR. 4, 1989	55.07	JULY 25, 1989	51.93

IBERIA PARISH

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.
 LSD 18.53 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.29 BELOW LSD, FEB. 25, 1974.
 LOWEST WATER LEVEL 22.11 BELOW LSD, NOV. 4, 1974.
 RECORDS AVAILABLE 1965-83, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 26, 1989	17.94						

IBERVILLE PARISH

301227091101301 LOCAL WELL NUMBER: IB-106

OWNER: J SUPPLES & SONS MERCANTILE CO. (SEC. 37, T. 10S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 608 FT, SCREENED 508-608. MP TOP EDGE OF 3-IN. COLLAR, 0.95 FT ABOVE LSD.
 LSD 18.94 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.64 ABOVE LSD, MAY 14, 1964.
 LOWEST WATER LEVEL 11.40 BELOW LSD, AUG. 23, 1960.
 RECORDS AVAILABLE 1959-60, 1964, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 15, 1959	8.88	APR. 25, 1960	1.80	AUG. 23, 1960	11.40	SEP. 27, 1989	8.69
APR. 22, 1960	0.71	JUNE 23	8.71	MAY 14, 1964	+4.64		

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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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
OCT. 3, 1988	149.15	MAR. 31, 1989	154.55	MAY 12, 1989	140.17	JULY 27, 1989	146.80
JAN. 3, 1989	147.15						

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL 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 234.87 BELOW LSD, OCT. 31, 1988.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1988	234.87	FEB. 27, 1989	233.84	MAY 12, 1989	233.75	JULY 31, 1989	233.54
NOV. 30	232.42	MAR. 30	233.68	MAY 30	233.77	AUG. 31	233.71
DEC. 29	234.67	APR. 26	233.85	JUNE 30	233.18	SEP. 29	234.35
JAN. 30, 1989	234.10						

JEFFERSON PARISH

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. MEASUREMENTS DISCONTINUED AFTER SEP. 5, 1989.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.96 BELOW LSD, JUNE 29, 1988.
 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. 4, 1988	34.37	MAR. 9, 1989	34.08	JULY 11, 1989	34.25	SEP. 5, 1989	34.86
JAN. 3, 1989	36.69						

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. 4, 1988	72.80	MAR. 9, 1989	71.30	JUNE 28, 1989	71.39	SEP. 5, 1989	75.09
JAN. 3, 1989	71.77						

JEFFERSON PARISH

295355090044202 LOCAL WELL NUMBER: JF-167

OWNER: U.S. GEOLOGICAL 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
NOV. 1, 1988	64.70	MAR. 9, 1989	61.55	JULY 12, 1989	63.04	SEP. 5, 1989	64.00
JAN. 4, 1989	63.43						

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. 4, 1988	64.95	MAR. 28, 1989	60.57	JULY 10, 1989	62.47	SEP. 7, 1989	62.01

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U.S. GEOLOGICAL 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 48.56 BELOW LSD, MAR. 14, 1988.
 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. 3, 1988	56.22H	FEB. 5, 1989	50.56	APR. 25, 1989	61.68	JULY 15, 1989	62.71
OCT. 5	54.93	FEB. 10	50.38	APR. 30	63.42	JULY 20	69.39
OCT. 10	54.79	FEB. 15	50.07	MAY 5	64.31	JULY 25	66.39
OCT. 15	54.67	FEB. 20	49.80	MAY 10	65.07	JULY 31	62.21H
OCT. 20	54.70	FEB. 25	49.79	MAY 15	71.85	AUG. 5	60.88
OCT. 25	54.62H	FEB. 27	49.36H	MAY 20	66.41	AUG. 10	62.94
OCT. 31	54.28	FEB. 28	49.57	MAY 23	64.49H	AUG. 15	66.02
NOV. 5	54.17	MAR. 5	49.37	MAY 25	63.63	AUG. 20	62.90
NOV. 10	53.80	MAR. 10	49.45	MAY 31	72.88	AUG. 25	64.18
NOV. 15	55.24	MAR. 15	49.67	JUNE 1	77.34J	AUG. 28	62.05H
NOV. 20	54.77	MAR. 20	52.09	JUNE 5	70.74	AUG. 31	61.12
NOV. 25	54.39H	MAR. 25	54.98	JUNE 10	65.73	SEP. 5	62.85
NOV. 30	54.08	MAR. 28	56.93H	JUNE 15	64.64	SEP. 7	61.59H
DEC. 10	52.88	MAR. 31	58.01	JUNE 20	62.23	SEP. 10	62.59
DEC. 15	52.17	APR. 5	55.89	JUNE 25	63.59	SEP. 15	58.89
DEC. 20	51.95	APR. 10	56.96	JUNE 30	60.63	SEP. 20	58.72
DEC. 21	52.01H	APR. 15	57.16	JULY 5	58.69H	SEP. 25	60.87
JAN. 30, 1989	50.67H	APR. 20	56.40	JULY 10	57.91	SEP. 30	57.91
JAN. 31	51.70						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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JEFFERSON DAVIS PARISH

301356092462701 LOCAL WELL NUMBER: JD-773

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 9S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 666 FT, SCREENED 656-666. MP TOP OF CASING, 4.71 ABOVE LSD.

LSD 22 FT ABOVE NGVD.

HIGHEST WATER LEVEL 57.59 BELOW LSD, SEP. 21, 1989.

LOWEST WATER LEVEL 57.59 BELOW LSD, SEP. 21, 1989.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1989	57.59						

LAFAYETTE PARISH

301426092000601 LOCAL WELL NUMBER: LF-662

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 100, T. 9S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 152 FT, SCREENED 146-152. MP TOP OF 2-IN. CASING, 0.30 FT BELOW LSD.

LSD 40.37 FT ABOVE NGVD.

HIGHEST WATER LEVEL 43.04 BELOW LSD, MAR. 21, 1984.

LOWEST WATER LEVEL 47.17 BELOW LSD, OCT. 20, 1981.

RECORDS AVAILABLE 1981-85, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 29, 1989	44.93						

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 168.76 BELOW LSD, SEP. 19, 1989.

RECORDS AVAILABLE 1950, 1962, 1967-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 11, 1989	168.23	SEP. 19, 1989	168.76				

LIVINGSTON PARISH

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 PLEISTOCENE 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. 21, 1988	+55.70	FEB. 3, 1989	+49.70	APR. 12, 1989	+50.00	JULY 13, 1989	+49.10

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - MADISON PARISH

LIVINGSTON PARISH

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W.K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED UNUSED 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 20.00 BELOW LSD, APR. 12, 1989.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1988	18.69	FEB. 3, 1989	18.35	APR. 12, 1989	20.00	JULY 13, 1989	17.54

302450090355601 LOCAL WELL NUMBER: LI-122

OWNER: BLOOD RIVER CHURCH OF GOD. (SEC. 45, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/2 IN., REPORTED DEPTH 500 FT, SCREENED 490-500. MP TOP EDGE OF 3/4-IN. NIPPLE, 2.40 FT ABOVE LSD.
 LSD 11 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.40 ABOVE LSD, JULY 15, 1966,
 LOWEST WATER LEVEL 6.06 ABOVE LSD, JULY 13, 1989.
 RECORDS AVAILABLE 1966, 1984, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 15, 1966	+13.40	MAR. 28, 1984	+7.50	JULY 13, 1989	+6.06		

302724090565801 LOCAL WELL NUMBER: LI-185

OWNER: CITY OF DENHAM SPRINGS. (SEC. 38, T. 7S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 IN., DEPTH 2,611 FT, SCREENED 2,531-2,611. MP BOTTOM LIP OF VENT ELBOW, 1.60 FT ABOVE LSD.
 LSD 37 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.14 BELOW LSD, FEB. 3, 1989,
 LOWEST WATER LEVEL 59.93 BELOW LSD, MAY 11, 1988.
 RECORDS AVAILABLE 1979, 1983, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1988	52.09	APR. 12, 1989	46.05	JULY 13, 1989	45.21	JULY 21, 1989	44.59
FEB. 3, 1989	41.14						

MADISON PARISH

322614091122001 LOCAL WELL NUMBER: MA-64

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 117 FT, SCREENED 112-117. MP TOP OF CASING, AT LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 8.93 BELOW LSD, APR. 4, 1989,
 LOWEST WATER LEVEL 16.01 BELOW LSD, JUNE 8, 1988.
 RECORDS AVAILABLE 1975, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1988	14.38	APR. 4, 1989	8.93	JULY 25, 1989	10.32	SEP. 12, 1989	12.15
JAN. 5, 1989	12.79						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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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 143.59 BELOW LSD, JUNE 6, 1989.
 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. 5, 1988	162.11	FEB. 14, 1989	157.88J	APR. 30, 1989	154.49	JULY 17, 1989	149.90J
OCT. 10	162.12	FEB. 15	155.84	MAY 5	154.13	JULY 20	149.05
OCT. 15	164.53	FEB. 20	151.49	MAY 10	146.76	JULY 24	147.42H
OCT. 20	164.01	FEB. 25	150.03	MAY 12	145.34J	JULY 25	146.58J
OCT. 21	164.89J	FEB. 28	150.57	MAY 15	150.49	JULY 31	150.75
OCT. 25	161.42	MAR. 5	149.92	MAY 20	149.68	AUG. 5	150.44
OCT. 31	160.34	MAR. 10	149.21	MAY 25	151.64	AUG. 10	151.92
NOV. 3	158.90J	MAR. 15	148.92	MAY 31	146.33H	AUG. 15	154.53
NOV. 5	160.64	MAR. 20	150.14	JUNE 5	144.65	AUG. 20	154.73
NOV. 10	161.75	MAR. 25	147.59	JUNE 6	143.59J	AUG. 25	156.59
NOV. 15	160.63	MAR. 26	147.41J	JUNE 10	146.95	AUG. 31	155.17
NOV. 20	162.05	MAR. 31	150.33	JUNE 15	146.53	SEP. 5	153.80
NOV. 25	159.73	APR. 5	149.89	JUNE 20	148.67	SEP. 10	153.09
NOV. 29	159.25H	APR. 10	153.88	JUNE 25	148.30	SEP. 14	157.07J
JAN. 31, 1989	155.02H	APR. 15	155.47	JUNE 30	147.46	SEP. 15	156.27
FEB. 1	155.08H	APR. 20	156.16	JULY 5	148.06	SEP. 20	152.74
FEB. 5	155.77	APR. 23	157.59J	JULY 10	146.71	SEP. 25	154.09
FEB. 10	153.95	APR. 25	155.31	JULY 15	146.13		

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
OCT. 3, 1988	14.09	JAN. 9, 1989	9.63	APR. 4, 1989	3.29	JULY 26, 1989	4.70

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U.S. GEOLOGICAL 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 89.19 BELOW LSD, SEP. 11, 1989.
 LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1968-81, 1985-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 15, 1989	90.10	MAY 9, 1989	89.62	SEP. 11, 1989	89.19		

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U.S. GEOLOGICAL 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
OCT. 4, 1988	11.86	JAN. 3, 1989	7.30	APR. 4, 1989	2.81	JULY 24, 1989	4.21

SEE FOOTNOTES AT END OF TABLE.

MOREHOUSE PARISH

324647091543806 LOCAL WELL NUMBER: MO-657

OWNER: THE PEOPLES WATER SERVICE CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 97 FT, SCREENED 57-97. MP TOP OF CASING, 2.90 FT ABOVE LSD. WELL REPLACES MO-15.
LSD 126.64 FT ABOVE NGVD.

HIGHEST WATER LEVEL 56.30 BELOW LSD, SEP. 27, 1989.

LOWEST WATER LEVEL 56.30 BELOW LSD, SEP. 27, 1989.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1989	56.30						

NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN 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. 6, 1988	10.30	JAN. 18, 1989	4.58	MAR. 22, 1989	3.75	JULY 18, 1989	0.38

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. RECORDER INSTALLED ON WELL SEP. 26, 1989.
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
NOV. 1, 1988	92.11	MAR. 10, 1989	83.46	SEP. 6, 1989	94.69	SEP. 30, 1989	89.35
JAN. 4, 1989	87.22	JULY 11	87.75	SEP. 26	89.05H		

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U.S. GEOLOGICAL 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.
LSD 10 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963.

LOWEST WATER LEVEL 37.74 BELOW LSD, NOV. 1, 1988.

RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1988	37.74	MAR. 9, 1989	37.57	JULY 11, 1989	36.64	SEP. 5, 1989	36.27
JAN. 4, 1989	37.08						

SEE FOOTNOTES AT END OF TABLE.

ORLEANS PARISH

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U.S. GEOLOGICAL 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 54.30 ABOVE LSD, JAN. 4, 1989.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1988	+57.40	MAR. 9, 1989	+54.90	JULY 11, 1988	+55.50	SEP. 5, 1989	+55.40
JAN. 4, 1989	+54.30						

300152090021801 LOCAL WELL NUMBER: OR-182

OWNER: ORLEANS LEVEE BOARD. (SEC. 37, T. 12S., R. 12E.) DRILLED RECREATIONAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 690 FT, SCREENED 600-690. MP TOP OF BREATHER PIPE, 1.65 FT ABOVE LSD.

LSD 5 FT ABOVE NGVD.

HIGHEST WATER LEVEL 108.76 BELOW LSD, APR. 7, 1982.

LOWEST WATER LEVEL 154.00 BELOW LSD, AUG. 2, 1968.

RECORDS AVAILABLE 1968, 1976, 1982, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1988	116.44	MAR. 9, 1989	112.85	JULY 11, 1989	117.10	SEP. 5, 1989	112.62

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U.S. GEOLOGICAL 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. 1, 1988	77.09	MAR. 9, 1989	67.24	MAY 18, 1989	66.51	SEP. 5, 1989	72.93
JAN. 4, 1989	69.88	MAY 11	66.58	JULY 11	70.49	SEP. 12	73.31

OUACHITA PARISH

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 278.12 BELOW LSD, OCT. 10, 1986.

RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1988	268.54H	JAN. 20, 1989	236.59H	APR. 28, 1989	235.78H	JULY 20, 1989	233.76
OCT. 5	270.45	JAN. 25	237.54	MAY 11	236.09H	JULY 25	234.04
OCT. 9	272.48J	JAN. 31	236.78	MAY 15	235.51	JULY 27	234.38H
OCT. 10	266.81	FEB. 2	235.98H	MAY 20	235.40	JULY 29	233.40J
OCT. 15	263.83	FEB. 5	236.03	MAY 25	234.71J	JULY 31	234.46
OCT. 20	265.49	FEB. 10	238.53J	MAY 31	235.89	AUG. 5	234.99
OCT. 25	261.97	FEB. 15	236.71	JUNE 1	235.75H	AUG. 10	235.60
OCT. 31	260.25	FEB. 20	236.29	JUNE 5	234.52	AUG. 15	236.32
NOV. 5	264.00	FEB. 25	235.48	JUNE 10	234.58	AUG. 20	236.57
NOV. 10	265.91	FEB. 28	236.10	JUNE 15	235.52	AUG. 25	238.26
NOV. 15	260.25	MAR. 5	234.98	JUNE 20	235.90	AUG. 31	238.93
NOV. 18	250.35J	MAR. 10	236.11	JUNE 25	236.68J	SEP. 5	239.49
NOV. 20	256.27	MAR. 15	234.36	JUNE 30	235.50	SEP. 10	240.13J
NOV. 25	258.31	MAR. 20	234.53	JULY 5	233.53	SEP. 15	238.23
NOV. 30	261.48	MAR. 25	234.03	JULY 10	234.05	SEP. 20	237.93
DEC. 5	258.95H	MAR. 31	233.23J	JULY 14	232.89J	SEP. 25	238.21
DEC. 10	256.28	APR. 3	233.54H	JULY 15	232.97	SEP. 30	238.33

SEE FOOTNOTES AT END OF TABLE.

OUACHITA PARISH

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U.S. GEOLOGICAL 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 50.97 BELOW LSD, SEP. 11, 1989.
 RECORDS AVAILABLE 1965-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 15, 1989	49.29	MAY 9, 1989	50.40	SEP. 11, 1989	50.97		

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U.S. GEOLOGICAL 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, 1.64 FT ABOVE LSD. PRIOR TO MAR. 16, 1989, 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 58.81 BELOW LSD, SEP. 11, 1989.
 RECORDS AVAILABLE 1965-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 16, 1989	57.76	MAY 10, 1989	58.09	SEP. 11, 1989	58.81		

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U.S. GEOLOGICAL 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 215.52 BELOW LSD, SEP. 29, 1989.
 RECORDS AVAILABLE 1969-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 11, 1989	214.45	SEP. 29, 1989	215.52				

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. 19, 1988	23.45	APR. 11, 1989	7.93	JULY 28, 1989	10.00	SEP. 8, 1989	18.60

304645091434901 LOCAL WELL NUMBER: PC-49

OWNER: U.S. GEOLOGICAL 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 0.88 ABOVE LSD, APR. 17, 1973.
 LOWEST WATER LEVEL 28.95 BELOW LSD, NOV. 4, 1963.
 RECORDS AVAILABLE 1955-68, 1973-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	27.90						

GROUND-WATER LEVELS

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POINTE COUPEE PARISH

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, 1972-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	60.42						

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 2.80 ABOVE LSD, SEP. 8, 1989.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	+5.80	APR. 11, 1989	+3.80	JULY 28, 1989	+3.40	SEP. 8, 1989	+2.80

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 1972-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	34.92						

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U.S. GEOLOGICAL 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 7.72 BELOW LSD, SEP. 8, 1989.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	6.92	JULY 12, 1989	5.52	SEP. 8, 1989	7.72		

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U.S. GEOLOGICAL 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 9.34 BELOW LSD, OCT. 19, 1988.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	9.34	APR. 11, 1989	7.41	JULY 28, 1989	7.84	SEP. 8, 1989	8.89

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - RAPIDES PARISH

POINTE COUPEE PARISH

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 1972-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	14.33						

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 TOP OF BREATHER PIPE, 1.00 FT ABOVE LSD.

LSD 36 FT ABOVE NGVD.

HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975.

LOWEST WATER LEVEL 67.70 BELOW LSD, JULY 12, 1989.

RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	67.65	JULY 12, 1989	67.70	SEP. 8, 1989	66.53		

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED UNUSED 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. 8, 1975.

LOWEST WATER LEVEL 33.50 BELOW LSD, OCT. 19, 1988.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	33.50	APR. 11, 1989	32.07	JULY 28, 1989	31.05	SEP. 8, 1989	31.40

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 1972-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	23.00						

RAPIDES PARISH

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE CHICOT 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 1966-86, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1988	52.19	JAN. 5, 1989	52.19				

GROUND-WATER LEVELS

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RAPIDES PARISH

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 300 FT ABOVE NGVD.

HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969.

LOWEST WATER LEVEL 218.70 BELOW LSD, OCT. 4, 1988.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1988	218.70	JAN. 6, 1989	218.56	APR. 4, 1989	218.31	JULY 24, 1989	218.10

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.55 FT BELOW LSD.

LSD 240 FT ABOVE NGVD.

HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977.

LOWEST WATER LEVEL 238.27 BELOW LSD, JULY 24, 1989.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1988	237.45	JAN. 5, 1989	236.58	APR. 3, 1989	236.07	JULY 24, 1989	238.27

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-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, 1987-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1988	52.29	JAN. 5, 1989	52.08	APR. 3, 1989	51.91	JULY 24, 1989	51.48

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U.S. GEOLOGICAL 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 71.63 BELOW LSD, SEP. 21, 1989.

RECORDS AVAILABLE 1981-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1989	71.63						

RED RIVER PARISH

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U.S. GEOLOGICAL 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 18.53 BELOW LSD, JULY 28, 1989.

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
OCT. 5, 1988	18.74	JAN. 5, 1989	18.85	APR. 6, 1989	18.54	JULY 28, 1989	18.53

RED RIVER PARISH

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U.S. GEOLOGICAL 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 2.33 BELOW LSD, MAR. 3, 1987.

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. 5, 1988	14.29	JAN. 19, 1989	5.40	MAR. 21, 1989	4.97	JULY 19, 1989	3.54

RICHLAND PARISH

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U.S. GEOLOGICAL 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
OCT. 3, 1988	21.04	JAN. 10, 1989	20.90	APR. 4, 1989	20.25	JULY 26, 1989	19.46

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U.S. GEOLOGICAL 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
OCT. 3, 1988	11.58	JAN. 10, 1989	11.75	APR. 4, 1989	10.30	JULY 26, 1989	9.40

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
MAR. 16, 1989	33.57	SEP. 12, 1989	33.11				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U.S. GEOLOGICAL 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
MAR. 16, 1989	32.53	SEP. 13, 1989	32.10				

GROUND-WATER LEVELS

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RICHLAND PARISH

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U.S. GEOLOGICAL 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, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 16, 1989	32.69	SEP. 12, 1989	32.26				

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, MAR. 1, 1982.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1988	11.99	JAN. 5, 1989	10.54	APR. 5, 1989	6.28	JULY 26, 1989	7.02

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U.S. GEOLOGICAL 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
OCT. 3, 1988	25.30	JAN. 5, 1989	25.05	APR. 5, 1989	24.67	JULY 26, 1989	24.33

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.
 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
NOV. 2, 1988	24.09	MAR. 9, 1989	23.02	JUNE 28, 1989	22.78	SEP. 5, 1989	22.95
JAN. 3, 1989	23.59						

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 15.22 BELOW LSD, MAY 5, 1988.
 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. 1, 1988	42.25J	DEC. 31, 1988	35.92	MAR. 31, 1989	32.52	JUNE 30, 1989	33.40
OCT. 5	41.74	JAN. 3, 1989	35.71H	APR. 5	32.32	JULY 5	33.56
OCT. 10	41.35	JAN. 5	35.62	APR. 10	32.10	JULY 10	33.91
OCT. 15	40.98	JAN. 10	35.37	APR. 15	32.04	JULY 15	34.35
OCT. 20	40.61	JAN. 15	35.21	APR. 20	31.34	JULY 20	34.86
OCT. 25	40.42	JAN. 20	34.83	APR. 25	31.30	JULY 25	34.98
OCT. 31	40.04	JAN. 25	34.48	APR. 30	31.29	JULY 31	35.46
NOV. 2	38.15H	JAN. 31	34.32	MAY 5	31.23	AUG. 5	35.86
NOV. 5	39.94	FEB. 5	34.40	MAY 10	31.42	AUG. 10	35.69
NOV. 8	38.21H	FEB. 10	34.24	MAY 15	31.32	AUG. 15	35.69
NOV. 10	38.15	FEB. 15	34.18	MAY 20	31.17	AUG. 20	35.81
NOV. 15	37.93	FEB. 20	33.75	MAY 25	31.38	AUG. 25	35.63
NOV. 20	37.72	FEB. 25	33.49	MAY 31	28.94J	AUG. 31	35.92
NOV. 25	37.40	FEB. 28	33.22	JUNE 5	33.14	SEP. 5	35.86H
NOV. 30	36.99	MAR. 5	32.81	JUNE 10	33.14	SEP. 10	35.72
DEC. 5	36.85	MAR. 9	32.76H	JUNE 15	33.01	SEP. 15	35.69
DEC. 10	36.71	MAR. 10	32.30	JUNE 20	33.01	SEP. 20	35.70
DEC. 15	36.51	MAR. 15	32.99	JUNE 25	33.20	SEP. 25	35.69
DEC. 20	36.45	MAR. 20	32.86	JUNE 28	33.34H	SEP. 30	31.67
DEC. 25	36.07	MAR. 25	32.43				

295950090283001 LOCAL WELL NUMBER: SC-82

OWNER: LOUISIANA 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. 2, 1988	26.54	MAR. 9, 1989	20.51	JULY 12, 1989	26.12	SEP. 6, 1989	29.81
JAN. 5, 1989	22.83						

295747090242501 LOCAL WELL NUMBER: SC-174

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 17, T. 13S., R. 20E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 272 FT, SCREENED 262-272. MP TOP OF 2-IN. CASING COLLAR, AT LSD.
 LSD 14 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 8.25 BELOW LSD, MAY 1, 1984.
 LOWEST WATER LEVEL 17.29 BELOW LSD, NOV. 2, 1988.
 RECORDS AVAILABLE 1980-85, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1988	17.29	MAR. 9, 1989	8.50	JULY 12, 1989	9.72	SEP. 6, 1989	15.70
JAN. 5, 1989	14.64						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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ST. HELENA PARISH

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 87.97 BELOW LSD, JAN. 30, 1989.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1988	84.68	JAN. 30, 1989	87.97	APR. 5, 1989	86.47	JULY 13, 1989	86.67

303912090542701 LOCAL WELL NUMBER: SH-56

OWNER: KERRY THOMAS. (SEC. 50, T. 4S., R. 3E.) DRILLED DOMESTIC ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 160 FT, SCREENED 145-160. MP TOP OF CASING, 1.50 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER JULY 13, 1989.
 LSD 77 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.30 BELOW LSD, JULY 13, 1989.
 LOWEST WATER LEVEL 8.48 BELOW LSD, OCT. 27, 1988.
 RECORDS AVAILABLE 1984, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 26, 1984	8.34R	JAN. 17, 1989	7.33	APR. 12, 1989	7.09	JULY 13, 1989	6.30
OCT. 27, 1988	8.48						

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. 2, 1988	18.25	MAR. 9, 1989	7.28	JULY 12, 1989	7.87	SEP. 12, 1989	15.53
JAN. 5, 1989	15.29	MAY 11	10.22	SEP. 6	15.57		

300433090403701 LOCAL WELL NUMBER: SJ-186

OWNER: U.S. GEOLOGICAL 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 10.04 BELOW LSD, OCT. 4, 1988.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1988	10.04	MAR. 9, 1989	0.50	JULY 13, 1989	0.50	SEP. 5, 1989	7.15
JAN. 3, 1989	7.25						

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - ST. LANDRY PARISH

ST. JAMES PARISH

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.
 LSD 19 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.37 BELOW LSD, JULY 11, 1989,
 LOWEST WATER LEVEL 18.74 BELOW LSD, MAR. 29, 1988.
 RECORDS AVAILABLE 1975, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1988	18.02	MAR. 9, 1989	6.75	JULY 11, 1989	6.37	SEP. 6, 1989	13.90
JAN. 5, 1989	15.18						

ST. JOHN THE BAPTIST PARISH

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U.S. GEOLOGICAL 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. 2, 1988	21.04	MAR. 10, 1989	7.06	JULY 12, 1989	10.01	SEP. 6, 1989	18.67
JAN. 5, 1989	16.31						

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. MEASUREMENTS DISCONTINUED AFTER SEP. 5, 1989.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 20.19 BELOW LSD, JULY 11, 1989,
 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. 4, 1988	20.60	MAR. 9, 1989	20.44	JULY 11, 1989	20.19	SEP. 5, 1989	20.77
JAN. 3, 1989	20.69						

ST. LANDRY PARISH

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U.S. GEOLOGICAL 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
MAR. 29, 1989	55.47	JULY 10, 1989	55.74	SEP. 7, 1989	55.58		

ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U.S. GEOLOGICAL 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 9.13 BELOW LSD, NOV. 11, 1987.
 RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 17, 1989	3.36	JULY 10, 1989	1.28	SEP. 8, 1989	6.01		

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U.S. GEOLOGICAL 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 10.38 BELOW LSD, NOV. 11, 1987.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 10, 1989	1.60	SEP. 8, 1989	6.23				

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN. CASING, 3.50 FT ABOVE LSD.
 LSD 20 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.42 BELOW LSD, JUNE 4, 1975,
 LOWEST WATER LEVEL 16.99 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1975-79, 1981, 1983, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 26, 1989	16.24						

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U.S. GEOLOGICAL 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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1989	9.46						

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LOUISIANA 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 23.40 ABOVE LSD, JULY 14, 1989.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1988	+28.90	JAN. 17, 1989	+26.70	APR. 10, 1989	+25.70	JULY 14, 1989	+23.40

SEE FOOTNOTES AT END OF TABLE.

ST. TAMMANY PARISH

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 10.24 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. 7, 1988	+57.50	JAN. 17, 1989	+59.20	APR. 10, 1989	+59.00	JULY 14, 1989	+56.30

301920089560801 LOCAL WELL NUMBER: ST-576

OWNER: HOLY REDEEMER COLLEGE. (SEC. 43, T. 8S., R. 13E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 7 IN., DEPTH 2,334 FT, SCREENED 2,238-2,334. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 2.00 FT ABOVE LSD.

LSD 17 FT ABOVE NGVD.

HIGHEST WATER LEVEL 108.00 ABOVE LSD, FEB. 23, 1961.

LOWEST WATER LEVEL 56.00 ABOVE LSD, SEP. 28, 1989.

RECORDS AVAILABLE 1961, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1961	+108.00R	SEP. 28, 1989	+56.00				

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U.S. GEOLOGICAL 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. 7, 1988	4.43	FEB. 1, 1989	3.23	APR. 10, 1989	3.18	JULY 14, 1989	4.20

301838089485002 LOCAL WELL NUMBER: ST-776

OWNER: LOUISIANA NATIONAL GUARD. (SEC. 32, T. 8S., R. 14E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN LOWER PONCHATOULA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 8 TO 4 IN., DEPTH 887 FT, SCREENED 862-887. MP TOP OF CASING, 3.10 FT ABOVE LSD.

LSD 16 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.12 ABOVE LSD, AUG. 4, 1982.

LOWEST WATER LEVEL 5.60 ABOVE LSD, SEP. 20, 1989.

RECORDS AVAILABLE 1982, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 4, 1982	+6.12	SEP. 20, 1989	+5.60				

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 28.79 BELOW LSD, JULY 17, 1989.

RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1988	27.16	JAN. 17, 1989	26.36	APR. 6, 1989	28.52	JULY 17, 1989	28.79

SEE FOOTNOTES AT END OF TABLE.

TANGIPAHOA PARISH

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 FAUCET ON DISCHARGE LINE, 2.70 FT ABOVE LSD. PRIOR TO SEP. 14, 1989, MP CENTER LINE OF SOUTH 6-IN. DISCHARGE LINE, 2.10 FT ABOVE LSD.

LSD 35 FT ABOVE NGVD.

HIGHEST WATER LEVEL 120.60 ABOVE LSD, JAN. 25, 1957.

LOWEST WATER LEVEL 14.30 ABOVE LSD, OCT. 18, 1988.

RECORDS AVAILABLE 1957-85, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1988	+14.30	SEP. 14, 1989	+15.50				

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 3 IN., DEPTH 2,329 FT, SCREENED 2.289-2.329. MP CENTER LINE OF TEE, 2.50 FT ABOVE LSD. PRIOR TO SEP. 14, 1989, MP CENTER LINE OF TEE, 2.00 FT ABOVE LSD.

LSD 11 FT ABOVE NGVD.

HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960.

LOWEST WATER LEVEL 81.50 ABOVE LSD, SEP. 14, 1989.

RECORDS AVAILABLE 1960-85, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 14, 1989	+81.50						

303420090221701 LOCAL WELL NUMBER: TA-278

OWNER: RAY DUNNINGTON. (SEC. 35, T. 5S., R. 8E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,430 FT, SCREENED 1.410-1.430. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 52 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.80 ABOVE LSD, JAN. 14, 1961.

LOWEST WATER LEVEL 57.50 ABOVE LSD, OCT. 19, 1988, APR. 6, 1989.

RECORDS AVAILABLE 1961, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1988	+57.50	FEB. 2, 1989	+59.50	APR. 6, 1989	+57.50	JULY 17, 1989	+57.60

303104090335901 LOCAL WELL NUMBER: TA-343

OWNER: HAMMOND STATE SCHOOL. (SEC. 24, T. 6S., R. 6E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN., DEPTH 2,442 FT, SCREENED 2.402-2.442. MP CENTER LINE OF FAUCET ON BEND OF 8-IN. PIPE, 1.83 FT ABOVE LSD.

LSD 42 FT ABOVE NGVD.

HIGHEST WATER LEVEL 87.43 ABOVE LSD, MAY 19, 1969.

LOWEST WATER LEVEL 37.33 ABOVE LSD, SEP. 14, 1989.

RECORDS AVAILABLE 1969, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 19, 1969	+87.43	OCT. 18, 1988	+40.80	SEP. 14, 1989	+37.33		

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U.S. GEOLOGICAL 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. 19, 1988	17.23	FEB. 2, 1989	17.08	APR. 6, 1989	16.86	JULY 17, 1989	16.74

SEE FOOTNOTES AT END OF TABLE.

TANGIPAHOA PARISH

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U.S. GEOLOGICAL 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. 4, 1988	21.73	JAN. 30, 1989	21.09	APR. 6, 1989	20.56	JULY 17, 1989	19.42

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOLOGICAL 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 7.22 BELOW LSD, OCT. 23, 1986.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1988	5.65	JAN. 30, 1989	5.65	APR. 6, 1989	5.43	JULY 17, 1989	4.71

305604090312101 LOCAL WELL NUMBER: TA-454

OWNER: TOWN OF KENTWOOD. (SEC. 29, T. 1S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 720 FT, SCREENED 640-720. MP TOP OF 3/8-IN. BREATHING PIPE, 2.24 FT ABOVE LSD.

LSD 260 FT ABOVE NGVD.
HIGHEST WATER LEVEL 73.75 BELOW LSD, AUG. 1, 1983.
LOWEST WATER LEVEL 78.43 BELOW LSD, SEP. 21, 1989.
RECORDS AVAILABLE 1983, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 1, 1983	73.75R	SEP. 21, 1989	78.43				

303008090304201 LOCAL WELL NUMBER: TA-485

OWNER: OSCAR MARTIN. (SEC. 9, T. 6S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN LOWER PONCHATOUA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 700 FT, SCREENED 670-700. MP TOP OF 3/8-IN. PLUG IN SANITARY SEAL, 0.40 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER JULY 13, 1989.

LSD 51 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.42 BELOW LSD, MAY 24, 1989.
LOWEST WATER LEVEL 9.95 BELOW LSD, JUNE 13, 1986.
RECORDS AVAILABLE 1986, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 13, 1986	9.95	MAY 24, 1989	9.42	JULY 13, 1989	9.44		

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E.R. MCDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMI-ARTESIAN 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 17.78 BELOW LSD, JUNE 11, 1987.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1988	15.46	JAN. 5, 1989	15.21	APR. 4, 1989	12.19	JULY 25, 1989	10.32

SEE FOOTNOTES AT END OF TABLE.

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
OCT. 5, 1988	179.73	APR. 28, 1989	179.73	MAY 9, 1989	179.31	JULY 27, 1989	178.11
JAN. 3, 1989	179.27						

VERMILION PARISH

295345092100702 LOCAL WELL NUMBER: VE-637U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN., DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1-IN. PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT ABOVE NGVD.

HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966.

LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.

RECORDS AVAILABLE 1964-83, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1989	11.08						

293845092264901 LOCAL WELL NUMBER: VE-639

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 608 FT, SCREENED 603-608. MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.

LSD 5.84 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965.

LOWEST WATER LEVEL 9.65 BELOW LSD, OCT. 29, 1976.

RECORDS AVAILABLE 1965-79, 1981, 1983-85, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 3, 1989	8.83						

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. 1, 1988	182.69J	DEC. 15, 1988	178.05	FEB. 28, 1989	175.98	JULY 25, 1989	180.11
OCT. 4	182.14H	DEC. 20	177.88	MAR. 5	175.81	JULY 29	180.51J
OCT. 5	182.01	DEC. 25	177.64	MAR. 10	175.85	JULY 31	180.03
OCT. 10	180.81	DEC. 31	177.40	MAR. 15	175.71	AUG. 5	179.77
OCT. 15	180.09	JAN. 5, 1989	177.26	MAR. 20	175.69	AUG. 10	178.13
OCT. 20	179.60	JAN. 10	177.19	MAR. 25	175.82	AUG. 15	178.22
OCT. 25	179.12	JAN. 15	177.09	MAR. 31	175.68	AUG. 20	177.19
OCT. 31	179.60	JAN. 20	177.09	APR. 3	175.43J	AUG. 25	176.65
NOV. 5	179.47	JAN. 25	176.74	APR. 4	175.45H	AUG. 31	175.72
NOV. 10	179.43	JAN. 31	176.59	APR. 5	175.47	SEP. 5	174.87
NOV. 15	178.66	FEB. 1	176.65H	APR. 10	175.35	SEP. 10	175.22
NOV. 20	178.55	FEB. 5	176.63	APR. 15	175.25	SEP. 15	175.59
NOV. 25	178.35	FEB. 10	176.82	APR. 20	175.33	SEP. 20	175.27
NOV. 30	178.34H	FEB. 15	176.73	APR. 25	175.13	SEP. 25	174.88
DEC. 5	178.18	FEB. 20	176.32	JULY 24	179.90H	SEP. 30	174.68J
DEC. 10	178.16	FEB. 25	176.29				

SEE FOOTNOTES AT END OF TABLE.

310650093105002 LOCAL WELL NUMBER: V-127

OWNER: U.S. ARMY, FORT POLK. (SEC. 34, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 602 FT. SCREENED 552-602. MP ACCESS PIPE ON SIDE OF PUMP BASE, 2.00 FT ABOVE LSD.
LSD 339.6 FT ABOVE NGVD.

HIGHEST WATER LEVEL 199.50 BELOW LSD, OCT. 25, 1942.

LOWEST WATER LEVEL 235.80 BELOW LSD, APR. 29, 1987.

RECORDS AVAILABLE 1942, 1986-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1988	227.00						

305850093260801 LOCAL WELL NUMBER: V-196

OWNER: LUTCHER MOORE LUMBER CO. (SEC. 18, T. 1S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 502 FT. SCREENED 450-502. MP TOP OF VENT PIPE, 2.00 FT ABOVE LSD.

LSD 243 FT ABOVE NGVD.

HIGHEST WATER LEVEL 99.00 BELOW LSD, APR. 7, 1955.

LOWEST WATER LEVEL 132.40 BELOW LSD, DEC. 10, 1987.

RECORDS AVAILABLE 1955, 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1988	132.33	FEB. 13, 1989	129.80	APR. 4, 1989	128.34	JULY 24, 1989	125.18

310625093133501 LOCAL WELL NUMBER: V-204

OWNER: U.S. ARMY, FORT POLK. (SEC. 31, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 18 IN., DEPTH 1,100 FT. SCREENED 1,012-1,100. MP TOP OF CASING, 1.30 FT ABOVE LSD.

LSD 303 FT ABOVE NGVD.

HIGHEST WATER LEVEL 146.68 BELOW LSD, JAN. 30, 1986.

LOWEST WATER LEVEL 153.27 BELOW LSD, OCT. 24, 1988.

RECORDS AVAILABLE 1986-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1988	152.54H	DEC. 20, 1988	151.78	FEB. 25, 1989	151.88	MAY 20, 1989	152.20
OCT. 5	152.58	DEC. 25	151.73	FEB. 28	151.69	MAY 25	152.29
OCT. 10	152.74	DEC. 31	151.57	MAR. 5	151.63	MAY 31	152.83
OCT. 15	152.78	JAN. 5, 1989	151.62	MAR. 10	151.84	JUNE 5	152.99
OCT. 20	152.86	JAN. 10	151.71	MAR. 15	151.85	JUNE 10	153.05
OCT. 24	153.27J	JAN. 15	151.50	MAR. 20	151.89	JUNE 15	152.80
OCT. 25	153.17	JAN. 19	151.42J	MAR. 25	151.86	JUNE 20	152.80
OCT. 31	152.43	JAN. 20	151.46	MAR. 31	151.72	JUNE 25	152.84
NOV. 5	152.14	JAN. 25	151.49	APR. 5	151.81	JUNE 30	152.22
NOV. 10	152.10	JAN. 28	151.42J	APR. 10	151.95	JULY 4	152.00J
NOV. 15	152.10	JAN. 29	151.42J	APR. 15	151.77	JULY 5	152.00
NOV. 20	152.09	JAN. 31	151.46	APR. 20	151.85	JULY 6	152.00J
NOV. 25	152.14	FEB. 5	151.55	APR. 25	152.04	JULY 10	152.09
NOV. 30	152.11H	FEB. 10	151.87	APR. 30	152.22	JULY 15	152.29
DEC. 5	152.05	FEB. 13	151.81H	MAY 5	152.26	JULY 20	152.63
DEC. 10	151.80	FEB. 15	151.92	MAY 10	152.35	JULY 24	152.72J
DEC. 15	151.90	FEB. 20	151.82	MAY 15	152.35		

311201093080203 LOCAL WELL NUMBER: V-425B

OWNER: U.S. GEOLOGICAL 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 153.03 BELOW LSD, JAN. 13, 1970.

LOWEST WATER LEVEL 172.80 BELOW LSD, JAN. 6, 1989.

RECORDS AVAILABLE 1967-76, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 6, 1989	172.80						

SEE FOOTNOTES AT END OF TABLE.

VERNON PARISH

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE 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 141.08 BELOW LSD, NOV. 3, 1988.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1988	141.08	FEB. 13, 1989	140.53	APR. 4, 1989	140.62	JULY 24, 1989	140.92
JAN. 6, 1989	140.47						

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE 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 119.29 BELOW LSD, OCT. 2, 1988.

RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1988	119.29	FEB. 13, 1989	118.87	APR. 4, 1989	118.54	JULY 24, 1989	119.18
JAN. 6, 1989	118.99						

310307093120603 LOCAL WELL NUMBER: V-448

OWNER: U.S. ARMY, FORT POLK. (SEC. 21, T. 1N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN., DEPTH 910 FT, SCREENED 858-910. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 340 FT ABOVE NGVD.

HIGHEST WATER LEVEL 239.75 BELOW LSD, MAR. 18, 1985.

LOWEST WATER LEVEL 337.00 BELOW LSD, JULY 10, 1985.

RECORDS AVAILABLE 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1988	265.00	FEB. 13, 1989	244.80	MAY 1, 1989	245.16	JULY 24, 1989	278.60

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.

LSD 335 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
NOV. 2, 1988	184.38	FEB. 13, 1989	186.20	APR. 5, 1989	183.41	JULY 24, 1989	184.32

310657093095005 LOCAL WELL NUMBER: V-522

OWNER: U.S. ARMY, FORT POLK. (SEC. 35, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 588 FT, SCREENED 528-588. MP TOP OF FLANGE, 1.00 FT ABOVE LSD. PRIOR TO APR. 5, 1989, MP TOP OF CASING, 1.30 FT ABOVE LSD.

LSD 325 FT ABOVE NGVD.

HIGHEST WATER LEVEL 188.00 BELOW LSD, JULY 22, 1966.

LOWEST WATER LEVEL 217.48 BELOW LSD, APR. 29, 1987.

RECORDS AVAILABLE 1966, 1985-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 22, 1966	188.00R	MAR. 12, 1986	209.87	DEC. 9, 1986	212.97	APR. 5, 1989	205.29
SEP. 10, 1985	207.00	JUNE 24	211.82	APR. 29, 1987	217.48	JULY 24	208.50
NOV. 6	205.47	SEP. 10	216.23	JULY 30	214.20		

SEE FOOTNOTES AT END OF TABLE.

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: GAYLORD CONTAINER CORP. (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. 18, 1988	10.08	FEB. 1, 1989	8.51	APR. 7, 1989	13.38	JULY 14, 1989	14.04

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U.S. GEOLOGICAL 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 18.36 BELOW LSD, OCT. 23, 1986.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1988	16.99	JAN. 31, 1989	17.03	APR. 6, 1989	16.84	JULY 17, 1989	16.29

305217089595001 LOCAL WELL NUMBER: WA-107

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 16, T. 2S., R. 12E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN ZONE 2 SAND OF PLIOCENE AGE, DIAM 4 IN., DEPTH 457 FT, SCREENED 441-457. MP TOP OF CASING, 0.64 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER JULY 14, 1989.

LSD 260 FT ABOVE NGVD.

HIGHEST WATER LEVEL 76.09 BELOW LSD, APR. 6, 1989.

LOWEST WATER LEVEL 84.04 BELOW LSD, MAY 11, 1988.

RECORDS AVAILABLE 1975, 1988-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1988	82.85	APR. 6, 1989	76.09	JULY 13, 1989	82.11	JULY 14, 1989	81.98
JAN. 31, 1989	82.73						

304900089542601 LOCAL WELL NUMBER: WA-125

OWNER: U.S. GEOLOGICAL 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 89.76 BELOW LSD, JULY 14, 1989.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1988	83.58	JAN. 17, 1989	76.88	APR. 6, 1989	82.90	JULY 14, 1989	89.76

304612089512401 LOCAL WELL NUMBER: WA-158

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 12 3/4 IN., DEPTH 1,414 FT, SCREENED 1,337-1,414. MP TOP OF SANITARY SEAL, 1.63 FT ABOVE LSD.

LSD 97 FT ABOVE NGVD.

HIGHEST WATER LEVEL 53.00 BELOW LSD, MAY 18, 1987.

LOWEST WATER LEVEL 73.14 BELOW LSD, MAY 25, 1989.

RECORDS AVAILABLE 1987, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 18, 1987	53.00R	MAY 25, 1989	73.14	JULY 14, 1989	61.85		

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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WEBSTER PARISH

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U.S. GEOLOGICAL 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 43.37 BELOW LSD, MAR. 11, 1987.

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
OCT. 3, 1988	45.95	APR. 5, 1989	44.06	MAY 10, 1989	44.91	JULY 25, 1989	43.77
JAN. 5, 1989	44.40						

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. 24, 1988	77.41	JAN. 25, 1989	74.11	APR. 12, 1989	72.93	JULY 10, 1989	80.41
DEC. 2	75.23						

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, 1969-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1988	74.25						

302922091122301 LOCAL WELL NUMBER: WBR-50

OWNER: POPLAR GROVE PLANTING AND REFINING CO., INC. (SEC. 59, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 2,105 FT, SCREENED 2,045-2,105. MP TOP INSIDE EDGE OF 2-IN. NIPPLE, 0.80 FT ABOVE LSD.

MEASUREMENTS DISCONTINUED AFTER OCT. 24, 1988.

LSD 27 FT ABOVE NGVD.

HIGHEST WATER LEVEL 90.02 BELOW LSD, JAN. 7, 1960.

LOWEST WATER LEVEL 296.41 BELOW LSD, SEP. 25, 1973.

RECORDS AVAILABLE 1958-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 8, 1982	237.00	DEC. 5, 1983	187.70	APR. 9, 1985	180.95	NOV. 12, 1986	200.74
MAY 2	219.59	FEB. 8, 1984	199.20	AUG. 23	171.35	JULY 1, 1987	196.83
JULY 30	222.60	APR. 13	193.80	OCT. 1	176.75	DEC. 8	198.66
OCT. 18	224.80	JULY 20	187.50	MAR. 5, 1986	145.05	MAR. 2, 1988	210.19
FEB. 2, 1983	196.20	OCT. 5	170.60	APR. 20	195.30	JUNE 4	214.48
MAR. 28	183.20	FEB. 20, 1985	184.90	AUG. 18	200.10	OCT. 24	219.53
JULY 18	187.10						

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. 24, 1988	55.12	SEP. 22, 1989	53.26				

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U.S. GEOLOGICAL 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. 24, 1988	105.16	SEP. 7, 1989	95.06				

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U.S. GEOLOGICAL 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. 24, 1988	129.81	AUG. 22, 1989	140.13				

302726091145501 LOCAL WELL NUMBER: WBR-101

OWNER: U.S. GEOLOGICAL 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 57.16 BELOW LSD, OCT. 24, 1988.
 LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1988	57.16						

302806091172601 LOCAL WELL NUMBER: WBR-102A

OWNER: U.S. GEOLOGICAL 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 1966-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1988	44.08						

GROUND-WATER LEVELS

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WEST BATON ROUGE PARISH

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U.S. GEOLOGICAL 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. 24, 1988	144.27	SEP. 7, 1989	146.57				

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U.S. GEOLOGICAL 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 1966-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1988	203.50						

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U.S. GEOLOGICAL 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 20.60 BELOW LSD, OCT. 24, 1988.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1988	20.60	SEP. 7, 1989	14.62				

302559091122001 LOCAL WELL NUMBER: WBR-147

OWNER: U.S. GEOLOGICAL 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. 24, 1988	33.50	AUG. 22, 1989	32.62				

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U.S. GEOLOGICAL 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 38.89 BELOW LSD, OCT. 24, 1988.

LOWEST WATER LEVEL 53.42 BELOW LSD, JAN. 18, 1979.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1988	38.89	AUG. 21, 1989	40.00	SEP. 7, 1989	39.97		

LOUISIANA - WEST FELICIANA PARISH

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. 24, 1988	65.96	SEP. 22, 1989	71.28				

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U.S. GEOLOGICAL 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 27.79 BELOW LSD, SEP. 22, 1989.

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. 24, 1988	35.44	SEP. 22, 1989	27.79				

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LOUISIANA 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. 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 11.29 BELOW LSD, OCT. 25, 1988.

RECORDS AVAILABLE 1956, 1958-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1988	11.29						

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LOUISIANA 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 8.30 BELOW LSD, OCT. 25, 1988.

RECORDS AVAILABLE 1956, 1958-59, 1963-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1988	8.30						

304935091221001 LOCAL WELL NUMBER: WF-188

OWNER: U.S. GEOLOGICAL 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 1960-88.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1988	13.78						

GROUND-WATER LEVELS

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WEST FELICIANA PARISH

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 PLUG ON FLANGE, 1.23 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. 26, 1988	115.23	SEP. 5, 1989	116.77				

WINN PARISH

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. 3, 1988	67.01	APR. 10, 1989	63.65	MAY 12, 1989	63.62	JULY 31, 1989	61.57
JAN. 3, 1989	61.80						

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (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 1971-87, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1989	31.10	MAY 12, 1989	30.72	SEP. 13, 1989	31.62		

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U.S. GEOLOGICAL 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
NOV. 15, 1988	85.48	APR. 10, 1989	84.23	MAY 12, 1989	83.88	JULY 31, 1989	84.25
JAN. 3, 1989	84.49						

+ Above land-surface datum.

C Nearby well or wells being pumped.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.

R Measurement reported.

QUALITY OF GROUND WATER

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1988 TO SEPTEMBER 1989

[Additional information for most wells may be found in the minor elements or organic chemical analyses tables. <, Actual value is known to be less than the value shown; see end of table for explanation of geologic unit (aquifer) codes]

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CONDUCTANCE, FIELD (µS/CM)	PH, FIELD (STAND-ARD UNITS)	WATER TEMPER-ATURE (DEG C)
	T.	R.	SEC.								
BOSSIER PARISH											
BO- 275	19N	12W	34	323601093354102	124WLCX	308	07-12-89	1200	657	8.22	22.0
CALDWELL PARISH											
CA- 129	13N	4E	17	320616092044701	124CCKF	266	06-30-89	1000	340	6.35	20.5
CAMERON PARISH											
CN- 193	15S	5W	27	294248092521301	112CHCTU	185	a07-13-89	1230	1980	7.70	23.0
EAST BATON ROUGE PARISH											
EB- 771	7S	1E	81	302646091083801	12115BR	1739	07-06-89	0930	324	8.90	30.0
EB-1003	7S	2E	38	302635091022201	12112BR	1431	07-11-89	1130	299	8.20	27.5
EB-1036	7S	1E	100	302520091041401	11204BR	549	07-06-89	1330	260	7.30	23.0
EAST FELICIANA PARISH											
EF- 225	1S	1E	85	305803091061101	12101FP	444	07-12-89	1030	82	6.30	21.5
FRANKLIN PARISH											
FR- 368	14N	7E	26	321011091431701	112MRVA	79	07-11-89	1000	1300	7.08	20.0
LINCOLN PARISH											
L- 32	18N	2W	19	323138092365201	124SPRT	652	06-21-89	1000	339	8.82	25.0
LIVINGSTON PARISH											
LI- 85	9S	5E	16	301532090430001	112SLBR	405	07-24-89	1030	583	8.00	23.0
LI- 185	7S	3E	38	302724090565801	12224BR	2611	07-21-89	1100	270	8.10	30.0
MADISON PARISH											
MA- 31	16N	12E	31	3223580911110301	112MRVA	130	07-10-89	1600	739	6.95	20.0
MOREHOUSE PARISH											
MO- 364	21N	5E	25	324654091545501	112UPTC	132	07-10-89	1200	370	6.21	20.5
ORLEANS PARISH											
OR- 195	12S	12E	38	300054090012601	112GZNO	658	07-18-89	1200	1000	8.30	25.0
OUACHITA PARISH											
OU- 467	18N	3E	43	323044092092202	124SPRT	424	06-21-89	1400	565	9.12	23.0
POINTE COUPEE PARISH											
PC- 284	5S	11E	78	303813091190201	112MRVA	225	b10-05-88	1345	697	6.60	22.0
PC- 285	5S	11E	78	303813091190202	112MRVA	105	c10-17-88	1345	735	6.40	21.5
PC- 286	5S	11E	78	303813091190203	112PLSC	40	d10-25-88	1030	1100	6.45	21.5
ST. TAMMANY PARISH											
ST- 532	8S	12E	43	302052090010201	121BGBC	1519	07-17-89	1130	343	9.00	28.5
TANGIPAHOA PARISH											
TA- 286	1S	7E	29	305604090312001	120KNTD	640	07-19-89	1030	48	5.90	22.0
TA- 520	3S	8E	46	304709090264101	112UPTC	135	07-20-89	0900	20	5.30	20.0
TA- 560	3S	7E	20	304634090314001	122AMIT	2032	07-20-89	1200	220	8.20	29.0

a Dissolved ortho phosphorus (P), 0.29 mg/L.

b Nonstandard techniques. Total sulfide (S), <1.0 mg/L; dissolved aluminum (Al), <10 µg/L; dissolved organic carbon (C), 1.8 mg/L.

c Nonstandard techniques. Total sulfide (S), <1.0 mg/L; dissolved aluminum (Al), <10 µg/L; dissolved organic carbon (C), 3.0 mg/L.

d Nonstandard techniques. Total sulfide (S), <1.0 mg/L; dissolved aluminum (Al), <10 µg/L; dissolved organic carbon (C), 3.9 mg/L.

WELL NO.	LOCATION			DATE OF SAMPLE	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS, TOTAL (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)
	T.	R.	SEC.										
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	0	32	8.7	2.4	140	3.1	260	9.4	48
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	5	99	23	10	24	3.2	85	35	21
CAMERON PARISH--CONTINUED													
CN- 193	15S	5W	27	07-13-89	5	240	59	23	320	5.6	320	<.2	450
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	5	--	1.0	<.2	78	.4	138	6.6	3.4
EB-1003	7S	2E	38	07-11-89	5	6	2.4	.1	65	.4	135	9.1	3.5
EB-1036	7S	1E	100	07-06-89	5	11	2.8	.9	58	1.1	107	7.7	5.0
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	0	20	5.7	1.4	7.4	2.5	34	2.0	4.5
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	5	370	87	36	110	3.0	281	43	220
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	5	2	.9	<.2	75	.6	147	11	11
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	0	66	17	5.6	96	1.7	133	3.0	100
LI- 185	7S	3E	38	07-21-89	0	9	3.2	.2	57	.6	124	7.0	6.2
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	30	340	89	28	24	2.2	380	2.0	9.2
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	0	110	29	10	25	1.5	59	14	65
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	160	19	4.7	1.8	220	3.2	381	1.0	86
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	50	2	.7	<.2	120	.8	271	<.2	19
POINTE COUPEE PARISH--CONTINUED													
PC- 284	5S	11E	78	10-05-88	--	340	90	29	--	--	408	1.1	9.0
PC- 285	5S	11E	78	10-17-88	--	260	62	26	--	--	410	6.6	4.2
PC- 286	5S	11E	78	10-25-88	--	480	110	51	--	--	633	7.7	4.7
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	5	2	.8	.1	75	.4	162	9.0	2.9
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	0	10	2.5	.9	4.8	2.1	16	1.8	3.1
TA- 520	3S	8E	46	07-20-89	0	4	.8	.5	2.5	.3	4	.6	2.7
TA- 560	3S	7E	20	07-20-89	0	1	.2	.1	49	.3	98	8.2	3.8

WELL NO.	LOCATION			DATE OF SAMPLE	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, NITRITE, DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3, DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA, DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (µG/L AS FE)	MANGA- NESE, DIS- SOLVED (µG/L AS MN)
	T.	R.	SEC.										
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	0.1	14	367	382	<0.01	0.03	--	120	40
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	.2	59	227	233	.01	.05	--	5900	240
CAMERON PARISH--CONTINUED													
CN- 193	15S	5W	27	07-13-89	.2	28	1020	--	<.01	<.02	2.4	680	140
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	.3	31	215	--	--	--	--	50	10
EB-1003	7S	2E	38	07-11-89	.2	35	201	197	--	<.02	--	10	50
EB-1036	7S	1E	100	07-06-89	.2	50	197	190	--	--	--	210	74
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	.1	44	110	91	--	.02	--	10	18
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	.2	27	775	705	<.01	.02	--	8400	730
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	.1	21	208	--	<.01	<.02	--	30	<10
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	.2	51	348	355	<.01	<.02	--	80	150
LI- 185	7S	3E	38	07-21-89	.2	35	185	184	<.01	<.02	--	60	10
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	.2	34	413	443	<.01	.02	--	11000	1100
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	.1	55	290	245	<.01	2.1	--	100	20
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	1.3	27	598	574	<.01	<.02	--	170	30
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	.4	--	335	--	<.01	<.02	--	30	<10
POINTE COUPEE PARISH--CONTINUED													
PC- 284	5S	11E	78	10-05-88	--	43	423	--	--	--	--	--	220
PC- 285	5S	11E	78	10-17-88	--	60	413	--	--	--	--	1200	340
PC- 286	5S	11E	78	10-25-88	--	49	642	--	--	--	--	--	2800
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	.3	27	218	213	<.01	.02	--	50	10
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	.1	23	45	45	.01	.02	--	30	10
TA- 520	3S	8E	46	07-20-89	.1	10	23	22	<.01	.38	--	50	20
TA- 560	3S	7E	20	07-20-89	.3	48	174	169	<.01	.02	--	40	20

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE, FIELD (µS/CM)	PH. FIELD (STAND-ARD UNITS)	WATER TEMPER-ATURE (DEG C)
	T.	R.	SEC.								
VERMILION PARISH											
VE- 902	14S	4E	2	295107092014101	112CHCTU	358	a07-10-89	1230	583	7.50	23.0
VE- 903	14S	4E	2	295108092014801	112CHCTU	275	b03-08-89	1030	734	6.70	21.5
							c07-10-89	1145	716	7.80	21.0
VE- 918	14S	4E	2	295111092015201	112CHCTU	280	d07-10-89	1315	753	7.60	23.0
VE- 919	14S	4E	2	295112092014801	112CHCTU	300	e07-24-89	1630	520	7.30	25.0

VERNON PARISH

V- 446	1N	8W	20	310305093122403	122WMCK	660	11-08-88	1100	406	7.30	24.5
V- 497	1N	8W	21	310316093115101	122WMCK	878	11-08-88	1230	260	6.90	25.5
V- 514	2N	8W	33	310639093114701	122CRNB	1235	11-08-88	1400	482	7.40	27.5

WASHINGTON PARISH

WA- 107	2S	12E	16	305217089595001	12102FP	457	07-13-89	1030	33	6.00	21.0
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WEBSTER PARISH

WB- 241	23N	11W	14	325938093275301	124SPRT	408	06-22-89	1400	705	7.60	21.5
WB- 269	19N	9W	28	323637093172401	124SPRT	280	06-22-89	1100	131	6.11	21.0

WEST FELICIANA PARISH

WF- 232	1S	5W	51	305726091351801	12102FP	530	06-27-89	1400	250	7.35	22.5
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WELL NO.	LOCATION			DATE OF SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS, TOTAL (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)
	T.	R.	SEC.										

VERMILION PARISH--CONTINUED

VE- 902	14S	4E	2	07-10-89	5	220	55	20	39	1.8	285	0.2	20
VE- 903	14S	4E	2	03-08-89	10	230	56	21	82	2.7	336	.7	50
				07-10-89	5	210	48	21	76	2.7	320	<.1	50
VE- 918	14S	4E	2	07-10-89	5	220	54	20	75	2.7	343	<.1	40
VE- 919	14S	4E	2	07-24-89	5	200	53	17	32	1.7	260	<.1	19

VERNON PARISH--CONTINUED

V- 446	1N	8W	20	11-08-88	0	70	25	1.9	70	3.3	193	5.0	14
V- 497	1N	8W	21	11-08-88	0	34	12	1.0	39	3.0	90	6.0	19
V- 514	2N	8W	33	11-08-88	0	170	65	1.3	26	5.3	200	7.7	23

WASHINGTON PARISH--CONTINUED

WA- 107	2S	12E	16	07-13-89	0	8	2.3	.6	2.6	1.6	15	.6	3.1
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WEBSTER PARISH--CONTINUED

WB- 241	23N	11W	14	06-22-89	0	48	12	4.5	130	3.5	238	10	73
WB- 269	19N	9W	28	06-22-89	5	24	5.5	2.5	17	2.7	35	10	11

WEST FELICIANA PARISH--CONTINUED

WF- 232	1S	5W	51	06-27-89	0	51	16	2.7	34	3.7	117	6.0	2.3
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- a Total ortho phosphorus (P), 0.18 mg/L.
b Total sulfide (S), <1.0 mg/L.
c Total ortho phosphorus (P), 0.26 mg/L.
d Total ortho phosphorus (P), 0.20 mg/L.
e Dissolved ortho phosphorus (P), 0.18 mg/L.

WELL NO.	LOCATION			DATE OF SAMPLE	FLUO- RIDE, DIS- SOLVED	SILICA, DIS- SOLVED	SOLIDS, RESIDUE AT 180 DEG. C, DIS- SOLVED	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED	NITRO- GEN, NITRITE, DIS- SOLVED	NITRO- GEN, NO2+NO3, DIS- SOLVED	NITRO- GEN, AMMONIA, DIS- SOLVED	IRON, DIS- SOLVED	MANGA- NESE, DIS- SOLVED
	T.	R.	SEC.		(MG/L AS F)	(MG/L SIO2)	(MG/L)	(MG/L)	(MG/L AS N)	(MG/L AS N)	(MG/L AS N)	(µG/L AS FE)	(µG/L AS MN)
VERMILION PARISH--CONTINUED													
VE- 902	14S	4E	2	07-10-89	--	36	322	346	<0.01	<0.02	1.1	1100	290
VE- 903	14S	4E	2	03-08-89	0.1	--	423	415	<.01	<.02	--	300	360
				07-10-89	.2	6.8	418	--	<.01	.02	1.3	330	390
VE- 918	14S	4E	2	07-10-89	.2	38	425	--	<.01	<.02	1.4	430	310
VE- 919	14S	4E	2	07-24-89	.2	40	315	--	<.01	<.02	.99	1100	260
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	.4	30	244	266	<.01	<.02	--	10	30
V- 497	1N	8W	21	11-08-88	.3	77	193	212	<.01	<.02	--	370	60
V- 514	2N	8W	33	11-08-88	.3	52	301	305	<.01	<.02	--	40	180
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	.1	18	35	42	--	.03	--	20	38
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	.2	--	396	376	<.01	.02	--	40	20
WB- 269	19N	9W	28	06-22-89	<.2	--	82	74	.01	.93	--	90	70
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	.1	58	155	194	--	--	--	510	190

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.
 112PLSC- Pleistocene series.
 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.
 11207LC- "700-foot" sand of Lake Charles area, Pleistocene age.
 120ABIT- Abita aquifer (Zone 2), Pliocene age.
 120KNTD- Kentwood aquifer (Zone 2), Pliocene age.
 121BGBC- Big Branch aquifer (Zone 1), Pliocene age.
 12101FP- Zone 1 Florida Parishes and Pointe Coupee Parish, Pliocene age.
 12102FP- Zone 2 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.
 122AMIT- Amite aquifer (Zone 3), Miocene age.
 122CRNB- Carnahan Bayou Member of Fleming Formation, Miocene age.
 122WMCK- Williamson Creek Member of Fleming Formation, Miocene age.
 12224BR- "2,400-foot" sand of Baton Rouge area, Miocene age.
 124CKF- Cockfield Formation, Eocene age.
 124SPRT- Sparta sand, Eocene age.
 124WLCX- Wilcox Group, Eocene age.

QUALITY OF GROUND WATER

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PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1988 TO SEPTEMBER 1989

[See end of complete chemical analyses table for explanation of
geologic unit (aquifer) codes]

WELL NO.	LOCATION			STATION NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE, FIELD (µS/CM)	SPE- CIFIC CON- DUCT- ANCE, LAB (µS/CM)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
	T.	R.	SEC.								
ACADIA PARISH											
AC- 452	10S	1W	34	300742092265901	112CHCTU	246	05-03-89	1100	--	809	49
ASCENSION PARISH											
AN- 371	10S	2E	11	301220091004202	112NORC	350	10-04-88 07-13-89	1100 0900	-- --	742 730	68 54
CALCASIEU PARISH											
CU- 694	10S	9W	19	301044093195101	11205LC	556	05-01-89	1130	--	1910	440
CU- 767	10S	8W	20	301036093124401	11207LC	850	05-01-89	1600	--	2930	750
CU- 771	10S	9W	5	301336093183002	11202LC	241	05-01-89	1400	--	428	17
CAMERON PARISH											
CN- 80U	12S	3W	24	295846092381104	112CHCTU	453	05-02-89	1030	--	1270	240
JEFFERSON PARISH											
JF- 159	13S	23E	1	295536090104901	112GZNO	798	08-17-89	1000	--	1730	360
JF- 160	13S	22E	26	295518090112301	112GZNO	836	01-05-89 07-12-89	1025 0910	-- --	3070 3010	720 740
JF- 161	13S	23E	1	295549090104101	112GZNO	772	08-17-89	1005	--	1230	200
MADISON PARISH											
MA- 64	17N	12E	23	322614091122001	112MRVA	117	03-16-89 09-12-89	1415 1125	9490 9660	-- --	2600 2600
MOREHOUSE PARISH											
MO- 342	21N	7E	19	324753091471201	124SPRT	620	03-15-89 09-11-89	1530 1655	2080 2100	-- --	400 410
ORLEANS PARISH											
OR- 61	12S	12E	38	300055090013101	112GZNO	653	01-03-89 07-11-89	1430 1430	-- --	1010 991	90 90
OR- 130	12S	12E		295738090021001	112GZNO	736	07-11-89	1500	--	1910	360
OR- 179	10S	15E	19	300959089441901	120ABIT	2434	01-04-89	1100	--	641	5.6
OR- 203	11S	13E	30	300349089562401	112GZNO	453	09-12-89	1150	--	--	350
OUACHITA PARISH											
OU- 402	15N	4E	16	321714092041401	124SPRT	750	03-15-89 09-11-89	1000 1125	3490 3650	-- --	820 860
OU- 403	15N	4E	16	321714092041402	124SPRT	460	03-16-89 09-11-89	1145 1215	1750 1790	-- --	250 260
OU- 469	16N	4E	2	322425092020401	124SPRT	400	03-16-89 09-13-89	0800 0755	1050 1030	-- --	130 120
RICHLAND PARISH											
RI- 112	17N	9E	24	322623091294901	112MRVA	67	03-16-89 09-13-89	1615 1505	1450 1320	-- --	300 310
RI- 114	17N	9E	24	322636091295702	112MRVA	66	03-16-89 09-13-89	1515 1445	1070 1110	-- --	160 170
RI- 124	17N	9E	25	322605091301101	112MRVA	84	03-16-89 09-12-89	1530 1340	1450 1350	-- --	190 200

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE, FIELD (µS/CM)	SPE-CIFIC CON-DUCT-ANCE, LAB (µS/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	T.	R.	SEC.								
ST. CHARLES PARISH											
SC- 1	12S	8E	6	300014090242701	112NORC	420	11-08-88	1000	--	3010	760
							07-13-89	1145	--	2930	700
SC- 159	12S	20E	23	295926090273101	112NORC	440	01-05-89	1120	--	1550	210
							07-12-89	1000	--	1530	210
ST. JAMES PARISH											
SJ- 5	12S	16E	9	295938090504501	112GRMC	345	05-11-89	1445	--	784	79
							07-12-89	1105	--	861	100
SJ- 86	12S	17E	20	300024090433501	112GRMC	290	09-12-89	1430	--	--	120
SJ- 203	11S	3E	38	300445090520301	112NORC	444	01-05-89	1300	--	983	120
							07-12-89	1230	--	962	150
SJ- 206	11S	5E	190	300325090394701	112GRMC	244	07-12-89	1420	--	866	130
ST. LANDRY PARISH											
SL- 179	4S	3E	40	304116092083601	112CHCT	94	a02-01-89	1530	577	--	--
SL- 405	3S	3E	36	304506092064001	112CHCT	135	b02-01-89	1100	1510	--	--
SL- 406	4S	3E	1	304430092063901	112CHCT	124	c02-01-89	1230	1580	--	--
SL- 407	4S	3E	1	304359092063801	112CHCT	83	d02-01-89	1345	1480	--	--
SL- 409	4S	3E	15	304251092073601	112CHCT	83	e02-01-89	1615	812	--	--
ST. MARTIN PARISH											
SMN- 108	9S	7E	36	301304091424001	112CHCTU	505	05-17-89	1130	--	1880	310
ST. MARY PARISH											
SM- 57U	14S	8E	27	294749091402301	112CHCTU	638	04-26-89	1105	--	1160	180
VERMILION PARISH											
VE- 630U	14S	1E	10	295031092203202	112CHCTU	498	05-03-89	1130	--	1070	140
VE- 639	16S	1W	2	293845092264901	112CHCTS	608	05-03-89	1330	--	1530	280
WEST BATON ROUGE PARISH											
WBR- 35	7S	12E	68	302657091124201	12112BR	1290	08-17-89	1230	--	308	4.0
WBR- 100B	7S	12E	68	302652091121402	12224BR	2448	08-22-89	0930	--	360	1.9
WBR- 132	7S	12E	74	302505091132001	12115BR	2082	02-16-89	--	--	321	2.4
WBR- 136	7S	12E	21	302712091145701	12112BR	1305	08-17-89	1000	--	287	1.0
WBR- 137	7S	12E	93	302657091142101	12112BR	1330	08-17-89	1500	--	284	4.3
WBR- 147	7S	12E	70	302559091122001	12110BR	1292	08-22-89	1230	--	2930	750
WBR- 148	7S	11E	23	302702091185101	12112BR	1304	08-21-89	1230	--	341	3.0
WBR- 173	8S	12E	74	302456091130202	12115BR	2194	02-17-89	--	--	330	3.0
WBR- 181	7S	12E	68	302644091121201	12117BR	1900	08-17-89	1130	--	302	7.1
WINN PARISH											
W- 144B	11N	1W	19	315450092310102	124SPRT	550	03-24-89	1200	1600	--	120
							09-13-89	1145	1540	--	120

a Dissolved mercury (Hg), <0.1 µg/L.

b Dissolved mercury (Hg), <0.1 µg/L.

c Dissolved mercury (Hg), <0.1 µg/L.

d Dissolved mercury (Hg), <0.1 µg/L.

e Dissolved mercury (Hg), <0.1 µg/L.

QUALITY OF GROUND WATER

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MISCELLANEOUS CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1988 TO SEPTEMBER 1989

[111SLNO - Shallow aquifers of New Orleans area, Holocene age;
<, Actual value is known to be less than the value shown]

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE, FIELD (µS/CM)	PH, FIELD (STAND-ARD UNITS)	OXYGEN, DIS-SOLVED (MG/L)
ST. CHARLES PARISH									
SC- 185	13S 20E 120	295350090235801	111SLNO	18	08-11-89	1315	--	--	--
					08-11-89	1335	a608	6.88	0.7
					09-28-89	1130	--	--	--
					09-28-89	1145	651	7.47	4.4
SC- 186	13S 20E 120	295347090235101	111SLNO	28	08-11-89	1220	--	--	--
					08-11-89	1240	--	7.16	.6
					09-28-89	1050	--	--	--
					09-28-89	1110	4780	7.11	1.0
SC- 187	14S 20E 120	295344090235001	111SLNO	16	08-11-89	0945	--	--	--
					08-11-89	1000	--	6.80	2.1
					09-28-89	1200	--	--	--
					09-28-89	1215	1900	7.94	.4
SC- 188	14S 20E 120	295344090235301	111SLNO	23	08-11-89	1145	--	--	--
					08-11-89	1200	--	6.87	.4
					09-28-89	1005	1660	--	--
					09-28-89	1020	1670	7.48	1.0
SC- 189	14S 20E 120	295346090240001	111SLNO	27	08-11-89	1055	--	--	--
					08-11-89	1120	--	6.90	.7
					09-28-89	0915	--	--	--
					09-28-89	0935	1760	7.50	1.2

WELL NO.	LOCATION T. R. SEC.	DATE OF SAMPLE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	ALKA-LINITY, FIELD (MG/L AS CAC03)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC, TOTAL (MG/L AS C)	OIL AND GREASE, TOTAL RECOV., GRAVI-METRIC (MG/L)	HALIDES, ORGANIC, TOTAL (µG/L)
ST. CHARLES PARISH--CONTINUED										
SC- 185	13S 20E 120	08-11-89	--	--	--	--	--	--	1	--
		08-11-89	14	4.8	318	377	<10	2.1	3	<10
		09-28-89	--	--	--	--	--	--	1	--
		09-28-89	73	4.2	--	377	<10	3.4	<1	20
SC- 186	13S 20E 120	08-11-89	--	--	--	--	--	--	2	--
		08-11-89	39	5.9	953	2690	10	14	3	<10
		09-28-89	--	--	--	--	--	--	2	--
		09-28-89	83	7.6	575	2710	<10	17	<1	19
SC- 187	14S 20E 120	08-11-89	--	--	--	--	--	--	<1	--
		08-11-89	22	3.4	593	1120	10	7.6	<1	12
		09-28-89	--	--	--	--	--	--	<1	--
		09-28-89	55	5.9	875	1080	<10	12	<1	12
SC- 188	14S 20E 120	08-11-89	--	--	--	--	--	--	<1	--
		08-11-89	56	5.2	678	999	<10	12	--	65
		09-28-89	--	--	--	--	--	--	<1	--
		09-28-89	16	6.2	472	996	<10	14	2	68
SC- 189	14S 20E 120	08-11-89	--	--	--	--	--	--	3	--
		08-11-89	16	4.0	513	842	<10	12	2	23
		09-28-89	--	--	--	--	--	--	1	--
		09-28-89	66	4.4	585	984	<10	14	1	26

a Lab measurement.

QUALITY OF GROUND WATER

MINOR ELEMENTS FOR MONITOR WELLS, OCTOBER 1988 TO SEPTEMBER 1989

[Additional information for most wells may be found in the complete chemical analyses and organic chemical analyses tables. See end of complete chemical analyses table for explanation of geologic unit (aquifer) codes. <, Actual value is known to be less than the value shown]

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	ALUM-INUM, DIS-SOLVED (µG/L AS AL)	ANTI-MONY, DIS-SOLVED (µG/L AS SB)	ARSENIC, DIS-SOLVED (µG/L AS AS)
BOSSIER PARISH									
BO- 275	19N 12W 34	323601093354102	124WLCX	308	07-12-89	1200	<100	<1	<1
CALDWELL PARISH									
CA- 129	13N 4E 17	320616092044701	124CCKF	266	06-30-89	1000	<100	<1	<1
CAMERON PARISH									
CN- 193	15S 5W 27	294248092521301	112CHCTU	185	07-13-89	1230	--	--	--
EAST BATON ROUGE PARISH									
EB- 771	7S 1E 81	302646091083801	12115BR	1739	07-06-89	0930	<10	<1	--
EB-1003	7S 2E 38	302635091022201	12112BR	1431	07-11-89	1130	--	<1	<1
EB-1036	7S 1E 100	302520091041401	11204BR	549	07-06-89	1330	<10	<1	--
EAST FELICIANA PARISH									
EF- 225	1S 1E 85	305803091061101	12101FP	444	07-12-89	1030	--	<1	1
FRANKLIN PARISH									
FR- 368	14N 7E 26	321011091431701	112MRVA	79	07-11-89	1000	<100	<1	2
LINCOLN PARISH									
L- 32	18N 2W 19	323138092365201	124SPRT	652	06-21-89	1000	<100	<1	<1
LIVINGSTON PARISH									
LI- 85	9S 5E 16	301532090430001	112SLBR	405	07-24-89	1030	--	<1	<1
LI- 185	7S 3E 38	302724090565801	12224BR	2611	07-21-89	1100	--	<1	<1
MADISON PARISH									
MA- 31	16N 12E 31	322358091110301	112MRVA	130	07-10-89	1600	<100	<1	11
MOREHOUSE PARISH									
MO- 364	21N 5E 25	324654091545501	112UPTC	132	07-10-89	1200	<100	<1	<1
ORLEANS PARISH									
OR- 195	12S 12E 38	300054090012601	112GZNO	658	07-18-89	1200	--	<1	<1
OUACHITA PARISH									
OU- 467	18N 3E 43	323044092092202	124SPRT	424	06-21-89	1400	<100	<1	<1
ST. TAMMANY PARISH									
ST- 532	8S 12E 43	302052090010201	121BGBC	1519	07-17-89	1130	--	<1	<1
TANGIPAHOA PARISH									
TA- 286	1S 7E 29	305604090312001	120KNTD	640	07-19-89	1030	--	<1	<1
TA- 520	3S 8E 46	304709090264101	112UPTC	135	07-20-89	0900	--	<1	<1
TA- 560	3S 7E 20	304634090314001	122AMIT	2032	07-20-89	1200	--	<1	<1
VERMILION PARISH									
VE- 902	14S 4E 2	295107092014101	112CHCTU	358	07-10-89	1230	--	--	--
VE- 903	14S 4E 2	295108092014801	112CHCTU	275	03-08-89	1030	<100	<1	<1
VE- 918	14S 4E 2	295111092015201	112CHCTU	280	07-10-89	1145	--	--	--
VE- 919	14S 4E 2	295112092014801	112CHCTU	300	07-10-89	1315	--	--	--
VERNON PARISH									
V- 446	1N 8W 20	310305093122403	122WMCK	660	1-08-88	1100	<100	<1	<1
V- 497	1N 8W 21	310316093115101	122WMCK	878	1-08-88	1230	<100	<1	<1
V- 514	2N 8W 33	310639093114701	122CRNB	1235	1-08-88	1400	<100	<1	<1
WASHINGTON PARISH									
WA- 107	2S 12E 16	305217089595001	12102FP	457	7-13-89	1030	--	<1	<1
WEBSTER PARISH									
WB- 241	23N 11W 14	325938093275301	124SPRT	408	6-22-89	1400	<100	<1	<1
WB- 269	19N 9W 28	323637093172401	124SPRT	280	6-22-89	1100	<100	<1	<1
WEST FELICIANA PARISH									
WF- 232	1S 5W 51	305726091351801	12102FP	530	6-27-89	1400	<10	<1	--

a Dissolved radium-226 (random method), 1.4 pCi/L.

WELL NO.	LOCATION			DATE OF SAMPLE	BARIUM, TOTAL RECOV- ERABLE (µG/L AS BA)	BARIUM, DIS- SOLVED (µG/L AS BA)	BERYL- LIUM, DIS- SOLVED (µG/L AS BE)	BORON, DIS- SOLVED (µG/L AS B)	CADMIUM, TOTAL RECOV- ERABLE (µG/L AS CD)	CADMIUM, DIS- SOLVED (µG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (µG/L AS CR)	CHRO- MIUM, DIS- SOLVED (µG/L AS CR)
	T.	R.	SEC.									
BOSSIER PARISH--CONTINUED												
BO- 275	19N	12W	43	07-12-89	--	100	<10	--	--	<1	--	20
CALDWELL PARISH--CONTINUED												
CA- 129	13N	4E	17	06-30-89	--	100	<10	--	--	<1	--	<10
CAMERON PARISH--CONTINUED												
CN- 193	15S	5W	27	07-13-89	--	400	--	190	--	<1	--	--
EAST BATON ROUGE PARISH--CONTINUED												
EB- 771	7S	1E	81	07-06-89	<100	--	<10	--	<1	--	<10	--
EB-1003	7S	2E	38	07-11-89	--	<100	<10	--	--	<1	--	<10
EB-1036	7S	1E	100	07-06-89	<100	--	<10	--	<1	--	<10	--
EAST FELICIANA PARISH--CONTINUED												
EF- 225	1S	1E	85	07-12-89	--	<100	<10	--	--	<1	--	<10
FRANKLIN PARISH--CONTINUED												
FR- 368	14N	7E	26	07-11-89	--	100	<10	--	--	<1	--	<10
LINCOLN PARISH--CONTINUED												
L- 32	18N	2W	19	06-21-89	--	<100	<10	--	--	<1	--	<10
LIVINGSTON PARISH--CONTINUED												
LI- 85	9S	5E	16	07-24-89	--	200	<10	--	--	<1	--	<10
LI- 185	7S	3E	38	07-21-89	--	<100	<10	--	--	<1	--	<10
MADISON PARISH--CONTINUED												
MA- 31	16N	12E	31	07-10-89	--	500	<10	--	--	<1	--	<10
MOREHOUSE PARISH--CONTINUED												
MO- 364	21N	5E	25	07-10-89	--	100	<10	--	--	<1	--	<10
ORLEANS PARISH--CONTINUED												
OR- 195	12S	12E	38	07-18-89	--	100	<10	--	--	<1	--	<10
OUACHITA PARISH--CONTINUED												
OU- 467	18N	3E	43	06-21-89	--	<100	<10	--	--	<1	--	<10
ST. TAMMANY PARISH--CONTINUED												
ST- 532	8S	12E	43	07-17-89	--	<100	<10	--	--	<1	--	<10
TANGIPAHOA PARISH--CONTINUED												
TA- 286	1S	7E	29	07-19-89	--	100	<10	--	--	<1	--	<10
TA- 520	3S	8E	46	07-20-89	--	<100	<10	--	--	<1	--	<10
TA- 560	3S	7E	20	07-20-89	--	<100	<10	--	--	<1	--	<10
VERMILION PARISH--CONTINUED												
VE- 902	14S	4E	2	07-10-89	--	200	--	40	--	<1	--	--
VE- 903	14S	4E	2	03-08-89	--	200	<10	--	--	1	--	<10
VE- 918	14S	4E	2	07-10-89	--	200	--	80	--	<1	--	--
				07-10-89	--	200	--	80	--	<1	--	--
VE- 919	14S	4E	2	07-24-89	--	100	--	40	--	<10	--	--
VERNON PARISH--CONTINUED												
V- 446	1N	8W	20	11-08-88	--	200	<10	--	--	<1	--	<10
V- 497	1N	8W	21	11-08-88	--	<100	<10	--	--	<1	--	<10
V- 514	2N	8W	33	11-08-88	--	300	<10	--	--	<1	--	<10
WASHINGTON PARISH--CONTINUED												
WA- 107	2S	12E	16	07-13-89	--	<100	<10	--	--	<1	--	<10
WEBSTER PARISH--CONTINUED												
WB- 241	23N	11W	14	06-22-89	--	<100	<10	--	--	<1	--	<10
WB- 269	19N	9W	28	06-22-89	--	<100	<10	--	--	<1	--	<10
WEST FELICIANA PARISH--CONTINUED												
WF- 232	1S	5W	51	06-27-89	--	200	<10	--	--	--	<10	<10

WELL NO.	LOCATION			DATE OF SAMPLE	COPPER, TOTAL RECOV- ERABLE (µG/L AS CU)	COPPER, DIS- SOLVED (µG/L AS CU)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB)	LEAD, DIS- SOLVED (µG/L AS PB)	LITHIUM, DIS- SOLVED (µG/L AS LI)	MERCURY, TOTAL RECOV- ERABLE (µG/L AS HG)	MERCURY, DIS- SOLVED (µG/L AS HG)	NICKEL, DIS- SOLVED (µG/L AS NI)
	T.	R.	SEC.									
BOSSIER PARISH--CONTINUED												
BO- 275	19N	12W	34	07-12-89	--	<1	--	<5	--	--	<0.1	2
CALDWELL PARISH--CONTINUED												
CA- 129	13N	4E	17	06-30-89	--	<1	--	<5	--	--	<.1	1
CAMERON PARISH--CONTINUED												
CN- 193	15S	5W	27	07-13-89	--	--	--	<5	30	--	--	--
EAST BATON ROUGE PARISH--CONTINUED												
EB- 771	7S	1E	81	07-06-89	3	--	<5	--	--	<.1	--	<1
EB-1003	7S	2E	38	07-11-89	--	<1	--	<1	--	--	<.1	<1
EB-1036	7S	1E	100	07-06-89	1	--	<5	--	--	<.1	--	<1
EAST FELICIANA PARISH--CONTINUED												
EF- 225	1S	1E	85	07-12-89	--	5	--	<1	--	--	<.1	1
FRANKLIN PARISH--CONTINUED												
FR- 368	14N	7E	26	07-11-89	--	1	--	<5	--	--	<.1	7
LINCOLN PARISH--CONTINUED												
L- 32	18N	2W	19	06-21-89	--	2	--	<5	--	--	<.1	1
LIVINGSTON PARISH--CONTINUED												
LI- 85	9S	5E	16	07-24-89	--	<1	--	<1	--	--	<.1	<1
LI- 185	7S	3E	38	07-21-89	--	<1	--	<1	--	--	<.1	<1
MADISON PARISH--CONTINUED												
MA- 31	16N	12E	31	07-10-89	--	<1	--	<5	--	--	a<.1	2
MOREHOUSE PARISH--CONTINUED												
MO- 364	21N	5E	25	07-10-89	--	13	--	<5	--	--	<.1	7
ORLEANS PARISH--CONTINUED												
OR- 195	12S	12E	38	07-18-89	--	<1	--	1	--	--	<.1	1
OUACHITA PARISH--CONTINUED												
OU- 467	18N	3E	43	06-21-89	--	<1	--	<5	--	--	<.1	<1
ST. TAMMANY PARISH--CONTINUED												
ST- 532	8S	12E	43	07-17-89	--	<1	--	<1	--	--	<.1	<1
TANGIPAHOA PARISH--CONTINUED												
TA- 286	1S	7E	29	07-19-89	--	10	--	11	--	--	<.1	<1
TA- 520	3S	8E	46	07-20-89	--	12	--	1	--	--	<.1	<1
TA- 560	3S	7E	20	07-20-89	--	<1	--	<1	--	--	<.1	<1
VERMILION PARISH--CONTINUED												
VE- 902	14S	4E	2	07-10-89	--	--	--	<5	10	--	--	--
VE- 903	14S	4E	2	03-08-89	--	1	--	<5	--	--	<.1	1
VE- 918	14S	4E	2	07-10-89	--	--	--	<5	30	--	--	--
VE- 919	14S	4E	2	07-10-89	--	--	--	<5	30	--	--	--
				07-24-89	--	--	--	<1	20	--	--	--
VERNON PARISH--CONTINUED												
V- 446	1N	8W	20	11-08-88	--	7	--	<5	--	--	.1	<1
V- 497	1N	8W	21	11-08-88	--	6	--	<5	--	--	.1	<1
V- 514	2N	8W	33	11-08-88	--	3	--	<5	--	--	.1	<1
WASHINGTON PARISH--CONTINUED												
WA- 107	2S	12E	16	07-13-89	--	8	--	<1	--	--	<.1	<1
WEBSTER PARISH--CONTINUED												
WB- 241	23N	11W	14	06-22-89	--	1	--	<5	--	--	<.1	<1
WB- 269	19N	9W	28	06-22-89	--	11	--	<5	--	--	<.1	5
WEST FELICIANA PARISH--CONTINUED												
WF- 232	1S	5W	51	06-27-89	20	--	5	--	--	--	<.1	--

a Dissolved mercury (Hg), <0.1 µg/L on 4-28-89.

WELL NO.	LOCATION			DATE OF SAMPLE	SELENIUM, DIS-SOLVED (µG/L AS SE)	SILVER, TOTAL RECOVERABLE (µG/L AS AG)	SILVER, DIS-SOLVED (µG/L AS AG)	STRONTIUM, DIS-SOLVED (µG/L AS SR)	ZINC, TOTAL RECOVERABLE (µG/L AS ZN)	ZINC, DIS-SOLVED (µG/L AS ZN)	CARBON, ORGANIC, DIS-SOLVED (MG/L AS C)	CYANIDE, DIS-SOLVED (MG/L AS CN)
	T.	R.	SEC.									
BOSSIER PARISH--CONTINUED												
BO- 275	19N	12W	34	07-12-89	<1	--	<1	--	--	40	0.5	<0.01
CALDWELL PARISH--CONTINUED												
CA- 129	13N	4E	17	06-30-89	<1	--	<1	--	--	30	3.0	<.01
CAMERON PARISH--CONTINUED												
CN- 193	15S	5W	27	07-13-89	--	--	--	440	--	--	--	--
EAST BATON ROUGE PARISH--CONTINUED												
EB- 771	7S	1E	81	07-06-89	--	<1	--	--	<10	--	1.0	<.01
EB-1003	7S	2E	38	07-11-89	<1	--	--	--	--	<10	.8	<.01
EB-1036	7S	1E	100	07-06-89	--	<1	--	--	<10	--	.5	<.01
EAST FELICIANA PARISH--CONTINUED												
EF- 225	1S	1E	85	07-12-89	<1	--	--	--	--	<10	.4	<.01
FRANKLIN PARISH--CONTINUED												
FR- 368	14N	7E	26	07-11-89	<1	--	<1	--	--	40	1.3	<.01
LINCOLN PARISH--CONTINUED												
L- 32	18N	2W	19	06-21-89	<1	--	<1	--	--	40	.9	<.01
LIVINGSTON PARISH--CONTINUED												
LI- 85	9S	5E	16	07-24-89	<1	--	--	--	--	<10	.4	<.01
LI- 185	7S	3E	38	07-21-89	<1	--	--	--	--	<10	.3	<.01
MADISON PARISH--CONTINUED												
MA- 31	16N	12E	31	07-10-89	<1	--	<1	--	--	80	1.9	<.01
MOREHOUSE PARISH--CONTINUED												
MO- 364	21N	5E	25	07-10-89	1	--	<1	--	--	150	.9	<.01
ORLEANS PARISH--CONTINUED												
OR- 195	12S	12E	38	07-18-89	<1	--	--	--	--	20	10	<.01
OUACHITA PARISH--CONTINUED												
OU- 467	18N	3E	43	06-21-89	<1	--	<1	--	--	30	--	<.01
ST. TAMMANY PARISH--CONTINUED												
ST- 532	8S	12E	43	07-17-89	<1	--	--	--	--	<10	.6	<.01
TANGIPAHOA PARISH--CONTINUED												
TA- 286	1S	7E	29	07-19-89	<1	--	--	--	--	10	.5	<.01
TA- 520	3S	8E	46	07-20-89	<1	--	--	--	--	10	.3	<.01
TA- 560	3S	7E	20	07-20-89	<1	--	--	--	--	<10	.6	<.01
VERMILION PARISH--CONTINUED												
VE- 902	14S	4E	2	07-10-89	--	--	--	340	--	--	--	--
VE- 903	14S	4E	2	03-08-89	<1	--	<1	--	--	110	1.8	<.01
				07-10-89	--	--	--	380	--	--	--	--
VE- 918	14S	4E	2	07-10-89	--	--	--	400	--	--	--	--
VE- 919	14S	4E	2	07-24-89	--	--	--	290	--	--	--	--
VERNON PARISH--CONTINUED												
V- 446	1N	8W	20	11-08-88	<1	--	1	--	--	<10	.7	<.01
V- 497	1N	8W	21	11-08-88	<1	--	<1	--	--	20	1.9	<.01
V- 514	2N	8W	33	11-08-88	<1	--	<1	--	--	<10	.8	<.01
WASHINGTON PARISH--CONTINUED												
WA- 107	2S	12E	16	07-13-89	<1	--	--	--	--	290	.3	<.01
WEBSTER PARISH--CONTINUED												
WB- 241	23N	11W	14	06-22-89	<1	--	<1	--	--	30	.4	<.01
WB- 269	19N	9W	28	06-22-89	<1	--	<1	--	--	30	.6	<.01
WEST FELICIANA PARISH--CONTINUED												
WF- 232	1S	5W	51	06-27-89	<1	<1	--	--	10	10	.8	<.01

QUALITY OF GROUND WATER

ORGANIC CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1988 TO SEPTEMBER 1989

[Additional information for wells may be found in the complete chemical analyses and minor elements table. See end of complete chemical analyses table for explanation of geologic unit (aquifer) codes. <, 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	TIME	ALDRIN, TOTAL (µG/L)	CHLOR-DANE, TOTAL (µG/L)	DDD, TOTAL (µG/L)	DDE, TOTAL (µG/L)
	T.	R.	SEC.									
BOSSIER PARISH												
BO- 275	19N	12W	34	323601093354102	124WLCX	308	07-12-89	1200	<0.01	<0.01	<0.01	<0.01
CALDWELL PARISH												
CA- 129	13N	4E	17	320616092044701	124CCKF	266	06-30-89	1000	<.01	<.01	<.01	<.01
EAST BATON ROUGE PARISH												
EB- 771	7S	1E	81	302646091083801	12115BR	1739	07-06-89	0930	<.01	<.01	<.01	<.01
EB-1003	7S	2E	38	302635091022201	12112BR	1431	07-11-89	1130	<.01	<.01	<.01	<.01
EB-1036	7S	1E	100	302520091041401	11204BR	549	07-06-89	1330	<.01	<.01	<.01	<.01
EAST FELICIANA PARISH												
EF- 225	1S	1E	85	305803091061101	12101FP	444	07-12-89	1030	<.01	<.01	<.01	<.01
FRANKLIN PARISH												
FR- 368	14N	7E	26	321011091431701	112MRVA	79	07-11-89	1000	<.01	<.01	<.01	<.01
LINCOLN PARISH												
L- 32	18N	2W	19	323138092365201	124SPRT	652	06-21-89	1000	<.01	<.01	<.01	<.01
LIVINGSTON PARISH												
LI- 85	9S	5E	16	301532090430001	112SLBR	405	07-24-89	1030	<.01	<.01	<.01	<.01
LI- 185	7S	3E	38	302724090565801	12224BR	2611	07-21-89	1100	<.01	<.01	<.01	<.01
MADISON PARISH												
MA- 31	16N	12E	31	322358091110301	112MRVA	130	07-10-89	1600	<.01	<.01	<.01	<.01
MOREHOUSE PARISH												
MO- 364	21N	5E	25	324654091545501	112UPTC	132	07-10-89	1200	<.01	<.01	<.01	<.01
ORLEANS PARISH												
OR- 195	12S	12E	38	300054090012601	112GZNO	658	07-18-89	1200	<.01	<.01	<.01	<.01
OUACHITA PARISH												
OU- 467	18N	3E	43	323044092092202	124SPRT	424	06-21-89	1400	<.01	<.01	<.01	<.01
ST. TAMMANY PARISH												
ST- 532	8S	12E	43	302052090010201	121BGBC	1519	07-17-89	1130	<.01	<.01	<.01	<.01
TANGIPAHOA PARISH												
TA- 286	1S	7E	29	305604090312001	120KNTD	640	07-19-89	1030	<.01	<.01	<.01	<.01
TA- 520	3S	8E	46	304709090264101	112UPTC	135	07-20-89	0900	<.01	<.01	<.01	<.01
TA- 560	3S	7E	20	304634090314001	122AMIT	2032	07-20-89	1200	<.01	<.01	<.01	<.01
VERMILION PARISH												
VE- 903	14S	4E	2	295108092014801	112CHCTU	275	03-08-89	1030	<.01	<.01	<.01	<.01
VERNON PARISH												
V- 446	1N	8W	20	310305093122403	122WMCK	660	11-08-88	1100	<.01	<.01	<.01	<.01
V- 497	1N	8W	21	310316093115101	122WMCK	878	11-08-88	1230	<.01	<.01	<.01	<.01
V- 514	2N	8W	33	310639093114701	122CRNB	1235	11-08-88	1400	<.01	<.01	<.01	<.01
WASHINGTON PARISH												
WA- 107	2S	12E	16	305217089595001	12102FP	457	07-13-89	1030	<.01	<.01	<.01	<.01
WEBSTER PARISH												
WB- 241	23N	11W	14	325938093275301	124SPRT	408	06-22-89	1400	<.01	<.01	<.01	<.01
WB- 269	19N	9W	28	323637093172401	124SPRT	280	06-22-89	1100	<.01	<.01	<.01	<.01
WEST FELICIANA PARISH												
WF- 232	1S	5W	51	305726091351801	12102FP	530	06-27-89	1400	<.01	<.01	<.01	<.01

WELL NO.	LOCATION			DATE OF SAMPLE	DDT, TOTAL (µG/L)	DI-AZINON, TOTAL (µG/L)	DI-ELDRIN, TOTAL (µG/L)	ENDO-SULFAN, TOTAL (µG/L)	ENDRIN, TOTAL (µG/L)	ETHION, TOTAL (µG/L)	NAPH-THA-LENES, POLY-CHLOR., TOTAL (µG/L)	HEPTA-CHLOR, TOTAL (µG/L)	HEPTA-CHLOR EPOXIDE, TOTAL (µG/L)	LINDANE, TOTAL (µG/L)
BOSSIER PARISH--CONTINUED														
BO- 275	19N	12W	34	07-12-89	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01
CALDWELL PARISH--CONTINUED														
CA- 129	13N	4E	17	06-30-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
EAST BATON ROUGE PARISH--CONTINUED														
EB- 771	7S	1E	81	07-06-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
EB-1003	7S	2E	38	07-11-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
EB-1036	7S	1E	100	07-06-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
EAST FELICIANA PARISH--CONTINUED														
EF- 225	1S	1E	85	07-12-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
FRANKLIN PARISH--CONTINUED														
FR- 368	14N	7E	26	07-11-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
LINCOLN PARISH--CONTINUED														
L- 32	18N	2W	19	06-21-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
LIVINGSTON PARISH--CONTINUED														
LI- 85	9S	5E	16	07-24-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
LI- 185	7S	3E	38	07-21-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
MADISON PARISH--CONTINUED														
MA- 31	16N	4E	31	07-10-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
MOREHOUSE PARISH--CONTINUED														
MO- 364	21N	5E	25	07-10-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
ORLEANS PARISH--CONTINUED														
OR- 195	12S	12E	38	07-18-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
OUACHITA PARISH--CONTINUED														
OU- 467	18N	3E	43	06-21-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
ST. TAMMANY PARISH--CONTINUED														
ST- 532	8S	12E	43	07-17-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	07-19-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
TA- 520	3S	8E	46	07-20-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
TA- 560	3S	7E	20	07-20-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
VERMILION PARISH--CONTINUED														
VE- 903	14S	4E	2	03-08-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
VERNON PARISH--CONTINUED														
V- 446	1N	8W	20	11-08-88	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
V- 497	1N	8W	21	11-08-88	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
V- 514	2N	8W	33	11-08-88	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
WASHINGTON PARISH--CONTINUED														
WA- 107	2S	12E	16	07-13-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
WEBSTER PARISH--CONTINUED														
WB- 241	23N	11W	14	06-22-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
WB- 269	19N	9W	28	06-22-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01
WEST FELICIANA PARISH--CONTINUED														
WF- 232	1S	5W	51	06-27-89	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01

WELL NO.	LOCATION			DATE OF SAMPLE	MALA-THION, TOTAL (µG/L)	METH-OXY-CHLOR.	METHYL PARA-THION.	METHYL TRI-THION.	MIREX. TOTAL (µG/L)	PARA-THION, TOTAL (µG/L)	PER-THANE, TOTAL (µG/L)	TOX-APHENE, TOTAL (µG/L)	TRI-THION, TOTAL (µG/L)	2,4-D, TOTAL (µG/L)
	T.	R.	SEC.			TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)						
BOSSIER PARISH--CONTINUED														
BO- 275	19N	12W	34	07-12-89	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1
CALDWELL PARISH--CONTINUED														
CA- 129	13N	4E	17	06-30-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
EAST BATON ROUGE PARISH--CONTINUED														
EB- 771	7S	1E	81	07-06-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
EB-1003	7S	2E	38	07-11-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
EB-1036	7S	1E	100	07-06-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	--
EAST FELICIANA PARISH--CONTINUED														
EF- 225	1S	1E	85	07-12-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
FRANKLIN PARISH--CONTINUED														
FR- 368	14N	7E	26	07-11-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
LINCOLN PARISH--CONTINUED														
L- 32	18N	2W	19	06-21-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
LIVINGSTON PARISH--CONTINUED														
LI- 85	9S	5E	16	07-24-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
LI- 185	7S	3E	38	07-21-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
MADISON PARISH--CONTINUED														
MA- 31	16N	12E	31	07-10-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
MOREHOUSE PARISH--CONTINUED														
MO- 364	21N	5E	25	07-10-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
ORLEANS PARISH--CONTINUED														
OR- 195	12S	12E	38	07-18-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
OUACHITA PARISH--CONTINUED														
OU- 467	18N	3E	43	06-21-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
ST. TAMMANY PARISH--CONTINUED														
ST- 532	8S	12E	43	07-17-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	07-19-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
TA- 520	3S	8E	46	07-20-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
TA- 560	3S	7E	20	07-20-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
VERMILION PARISH--CONTINUED														
VE- 903	14S	4E	2	03-08-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
VERNON PARISH--CONTINUED														
V- 446	1N	8W	20	11-08-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
V- 497	1N	8W	21	11-08-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
V- 514	2N	8W	33	11-08-88	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
WASHINGTON PARISH--CONTINUED														
WA- 107	2S	12E	16	07-13-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
WEBSTER PARISH--CONTINUED														
WB- 241	23N	11W	14	06-22-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
WB- 269	19N	9W	28	06-22-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1
WEST FELICIANA PARISH--CONTINUED														
WF- 232	1S	5W	51	06-27-89	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.5	<.01	<.1

WELL NO.	LOCATION			DATE OF SAMPLE	2, 4-DP, TOTAL (µG/L)	2,4,5-T, TOTAL (µG/L)	SILVEX, TOTAL (µG/L)	ALA- CHLOR,	AME- TRYNE,	ATRA- ZINE,	CYAN- AZINE,	METOLA- CHLOR, IN WHOLE	METRI- BUZIN, IN WHOLE	PROME- TONE,
	T.	R.	SEC.					TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	RECOVER (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)
BOSSIER PARISH--CONTINUED														
BO- 275	19N	12W	34	07-12-89	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CALDWELL PARISH--CONTINUED														
CA- 129	13N	4E	17	06-30-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
EAST BATON ROUGE PARISH--CONTINUED														
EB- 771	7S	1E	81	07-06-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
EB-1003	7S	2E	38	07-11-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
EB-1036	7S	1E	100	07-06-89	--	--	--	<.05	<.05	<.05	<.05	<.05	<.05	<.05
EAST FELICIANA PARISH--CONTINUED														
EF- 225	1S	1E	85	07-12-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
FRANKLIN PARISH--CONTINUED														
FR- 368	14N	7E	26	07-11-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
LINCOLN PARISH--CONTINUED														
L- 32	18N	2W	19	06-21-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
LIVINGSTON PARISH--CONTINUED														
LI- 85	9S	5E	16	07-24-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
LI- 185	7S	3E	38	07-21-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
MADISON PARISH--CONTINUED														
MA- 31	16N	12E	31	07-10-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
MOREHOUSE PARISH--CONTINUED														
MO- 364	21N	5E	25	07-10-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
ORLEANS PARISH--CONTINUED														
OR- 195	12S	12E	38	07-18-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
OUACHITA PARISH--CONTINUED														
OU- 467	18N	3E	43	06-21-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
ST. TAMMANY PARISH--CONTINUED														
ST- 532	8S	12E	43	07-17-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	07-19-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
TA- 520	3S	8E	46	07-20-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
TA- 560	3S	7E	20	07-20-89	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
VERMILION PARISH--CONTINUED														
VE- 903	14S	4E	2	03-08-89	<.1	<.1	<.1	--	--	--	--	--	--	--
VERNON PARISH														
V- 446	1N	8W	20	11-08-88	<.1	<.1	<.1	--	--	--	--	--	--	--
V- 497	1N	8W	21	11-08-88	<.1	<.1	<.1	--	--	--	--	--	--	--
V- 514	2N	8W	33	11-08-88	<.1	<.1	<.1	--	--	--	--	--	--	--
WASHINGTON PARISH--CONTINUED														
WA- 107	2S	12E	16	07-13-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
WEBSTER PARISH--CONTINUED														
WB- 241	23N	11W	14	06-22-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
WB- 269	19N	9W	28	06-22-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05
WEST FELICIANA PARISH--CONTINUED														
WF- 232	1S	5W	51	06-27-89	<.1	<.1	<.1	<.05	<.05	<.05	<.05	<.05	<.05	<.05

WELL NO.	LOCATION			DATE OF SAMPLE	PROME- TRYNE, TOTAL (µG/L)	PRO- PAZINE, TOTAL (µG/L)	SIMA- ZINE, TOTAL (µG/L)	SIME- TRYNE, TOTAL (µG/L)	TRI- FLURA- LIN, TOTAL RECOVER (µG/L)	BENZENE, TOTAL (µG/L)	BROMO- FORM, TOTAL (µG/L)	CARBON- TETRA- CHLO- RIDE, TOTAL (µG/L)	CHLORO- BENZENE, TOTAL (µG/L)	CHLORO- DI- BROMO- METHANE, TOTAL (µG/L)
	T.	R.	SEC.											
BOSSIER PARISH--CONTINUED														
BO- 275	19N	12W	34	07-12-89	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.2	<0.2	<0.2	<0.2
CALDWELL PARISH--CONTINUED														
CA- 129	13N	4E	17	06-30-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
EAST BATON ROUGE PARISH--CONTINUED														
EB- 771	7S	1E	81	07-06-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
EB-1003	7S	2E	38	07-11-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
EB-1036	7S	1E	100	07-06-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
EAST FELICIANA PARISH--CONTINUED														
EF- 225	1S	1E	85	07-12-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
FRANKLIN PARISH--CONTINUED														
FR- 368	14N	7E	26	07-11-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
LINCOLN PARISH--CONTINUED														
L- 32	18N	2W	19	06-21-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
LIVINGSTON PARISH--CONTINUED														
LI- 85	9S	5E	16	07-24-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
LI- 185	7S	3E	38	07-21-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
MADISON PARISH--CONTINUED														
MA- 31	16N	12E	31	07-10-89	<.05	<.05	<.05	<.05	<.05	.4	<.2	<.2	<.2	<.2
MOREHOUSE PARISH--CONTINUED														
MO- 364	21N	5E	25	07-10-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
ORLEANS PARISH--CONTINUED														
OR- 195	12S	12E	38	07-18-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
OUACHITA PARISH--CONTINUED														
OU- 467	18N	3E	43	06-21-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
ST. TAMMANY PARISH--CONTINUED														
ST- 532	8S	12E	43	07-17-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	07-19-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
TA- 520	3S	8E	46	07-20-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
TA- 560	3S	7E	20	07-20-89	<.1	<.1	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2
VERMILION PARISH--CONTINUED														
VE- 903	14S	4E	2	03-08-89	--	--	--	--	--	<.2	<.2	<.2	<.2	<.2
VERNON PARISH--CONTINUED														
V- 446	1N	8W	20	11-08-88	--	--	--	--	--	<.2	<.2	<.2	<.2	<.2
V- 497	1N	8W	21	11-08-88	--	--	--	--	--	<.2	<.2	<.2	<.2	<.2
V- 514	2N	8W	33	11-08-88	--	--	--	--	--	<.2	<.2	<.2	<.2	<.2
WASHINGTON PARISH--CONTINUED														
WA- 107	2S	12E	16	07-13-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
WEBSTER PARISH--CONTINUED														
WB- 241	23N	11W	14	06-22-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2
WB- 269	19N	9W	28	06-22-89	<.05	<.05	<.05	<.05	<.05	5.5	<.2	<.2	<.2	<.2
WEST FELICIANA PARISH--CONTINUED														
WF- 232	1S	5W	51	06-27-89	<.05	<.05	<.05	<.05	<.05	<.2	<.2	<.2	<.2	<.2

WELL NO.	LOCATION			DATE OF SAMPLE	CHLORO-ETHANE,	2-CHLORO-ETHYL-VINYL-ETHER,	CHLORO-FORM,	DI-CHLORO-BROMO-METHANE,	DI-CHLORO-FLUORO-METHANE,	1,1-DI-CHLORO-ETHANE,	1,2-DI-CHLORO-ETHANE,	1,1-DI-CHLORO-ETHYL-ENE,	1,2-TRANSDI-CHLORO-ETHENE,	1,2-DI-CHLORO-PROPANE,
	T.	R.	SEC.		TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)
BOSSIER PARISH--CONTINUED														
BO- 275	19N	12W	34	07-12-89	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CALDWELL PARISH--CONTINUED														
CA- 129	13N	4E	17	06-30-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EAST BATON ROUGE PARISH--CONTINUED														
EB- 771	7S	1E	81	07-06-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB-1003	7S	2E	38	07-11-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB-1036	7S	1E	100	07-06-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EAST FELICIANA PARISH--CONTINUED														
EF- 225	1S	1E	85	07-12-89	<.2	<.2	.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FRANKLIN PARISH--CONTINUED														
FR- 368	14N	7E	26	07-11-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
LINCOLN PARISH--CONTINUED														
L- 32	18N	2W	19	06-21-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
LIVINGSTON PARISH--CONTINUED														
LI- 85	9S	5E	16	07-24-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
LI- 185	7S	3E	38	07-21-89	<.2	<.2	.9	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MADISON PARISH--CONTINUED														
MA- 31	16N	12E	31	07-10-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MOREHOUSE PARISH--CONTINUED														
MO- 364	21N	5E	25	07-10-89	<.2	<.2	<.2	<.2	<.2	<.2	.4	<.2	<.2	<.2
ORLEANS PARISH--CONTINUED														
OR- 195	12S	12E	38	07-18-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
OUACHITA PARISH--CONTINUED														
OU- 467	18N	3E	43	06-21-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
ST. TAMMANY PARISH--CONTINUED														
ST- 532	8S	12E	43	07-17-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	07-19-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
TA- 520	3S	8E	46	07-20-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
TA- 560	3S	7E	20	07-20-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
VERMILION PARISH--CONTINUED														
VE- 903	14S	4E	2	03-08-89	<.2	<.2	.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2
VERNON PARISH--CONTINUED														
V- 446	1N	8W	20	11-08-88	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
V- 497	1N	8W	21	11-08-88	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
V- 514	2N	8W	33	11-08-88	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WASHINGTON PARISH--CONTINUED														
WA- 107	2S	12E	16	07-13-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WEBSTER PARISH--CONTINUED														
WB- 241	23N	11W	14	06-22-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WB- 269	19N	9W	28	06-22-89	<.2	<.2	<.2	<.2	<.2	.3	<.2	<.2	<.2	<.2
WEST FELICIANA PARISH--CONTINUED														
WF- 232	1S	5W	51	06-27-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

WELL NO.	LOCATION			DATE OF SAMPLE	1,3-DI- CHLORO- PROPENE,	ETHYL- BENZENE,	METHYL- BROMIDE,	METHYL- ENE CHLO- RIDE,	1,1,2,2 TETRA- CHLORO- ETHANE,	TETRA- CHLORO- ETHYL- ENE,	TOLU- ENE,	1,1,1- TRI- CHLORO- ETHANE,	1,1,2- TRI- CHLORO- ETHANE,
	T.	R.	SEC.		TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB-1003	7S	2E	38	07-11-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EB-1036	7S	1E	100	07-06-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
LI- 185	7S	3E	38	07-21-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<.2	<.2	<.2	<.2	<.2	3.5	<.2	<.2	<.2
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
TA- 520	3S	8E	46	07-20-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
TA- 560	3S	7E	20	07-20-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	.2	<.2
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
V- 497	1N	8W	21	11-08-88	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
V- 514	2N	8W	33	11-08-88	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WB- 269	19N	9W	28	06-22-89	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<.2	<.2	<.2	<.2	<.2	<.2	.3	.3	<.2

WELL NO.	LOCATION			DATE OF SAMPLE	TRANS-1,3-DI-CHLORO-PROPENE,	STYRENE,	XYLENE, TOTAL WATER TOT REC	PARA-CHLORO-META-CRESOL,	2-CHLORO-PHENOL,	2,4-DI-CHLORO-PHENOL,	2,4,6-TRI-CHLORO-PHENOL,	2,4-DI-METHYL-PHENOL,	4,6-DINITRO-ORTHOCRESOL,
	T.	R.	SEC.		TOTAL (µG/L)	TOTAL (µG/L)	(µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<0.2	<0.2	<0.2	<30	<5	<5	<20	<5	<30
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
EB-1003	7S	2E	38	07-11-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
EB-1036	7S	1E	100	07-06-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
LI- 185	7S	3E	38	07-21-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
TA- 520	3S	8E	46	07-20-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
TA- 560	3S	7E	20	07-20-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
V- 497	1N	8W	21	11-08-88	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
V- 514	2N	8W	33	11-08-88	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<.2	<.2	<.2	<30	<5	<5	<20	<5	<30
WB- 269	19N	9W	28	06-22-89	<.2	<.2	.2	<30	<5	<5	<20	<5	<30
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<.2	<.2	.2	<30	<5	<5	<20	<5	<30

WELL NO.	LOCATION			DATE OF SAMPLE	2,4-DI- NITRO- PHENOL,	2- NITRO- PHENOL,	4- NITRO- PHENOL,	PENTA- CHLORO- PHENOL,	PHENOL (C6H- 5OH),	ACE- NAPHTH- ENE,	ACE- NAPHTH- YLENE,	ANTHRA- CENE,	BENZI- DINE,
	T.	R.	SEC.		TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)	TOTAL (µG/L)
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
EB-1003	7S	2E	38	07-11-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
EB-1036	7S	1E	100	07-06-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
LI- 185	7S	3E	38	07-21-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<20	<5	30	<30	<5	<5	<5	<5	<50
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
TA- 520	3S	8E	46	07-20-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
TA- 560	3S	7E	20	07-20-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<20	<5	<30	<30	<5	<5	<5	<5	<50
V- 497	1N	8W	21	11-08-88	<20	<5	<30	<30	<5	<5	<5	<5	<50
V- 514	2N	8W	33	11-08-88	<20	<5	<30	<30	<5	<5	<5	<5	<50
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
WB- 269	19N	9W	28	06-22-89	<20	<5	<30	<30	<5	<5	<5	<5	<50
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<20	<5	<30	<30	<5	<5	<5	<5	<50

WELL NO.	LOCATION			DATE OF SAMPLE	BENZO A ANTHRACENE, 1,2-BENZANTHRACENE, TOTAL (µG/L)	BENZO B FLUORANTHENE, TOTAL (µG/L)	BENZO K FLUORANTHENE, TOTAL (µG/L)	BENZO-A-PYRENE, TOTAL (µG/L)	BENZOGH I PERYLENE, 1,12-BENZOPERYLENE, TOTAL (µG/L)	N-BUTYL BENZYL PHTHALATE, TOTAL (µG/L)	BIS (2-CHLORO-ETHOXY) METHANE, TOTAL (µG/L)	BIS 2-CHLORO-ETHYL ETHER, TOTAL (µG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER, TOTAL (µG/L)
	T.	R.	SEC.										
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
EB-1003	7S	2E	38	07-11-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
EB-1036	7S	1E	100	07-06-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
LI- 185	7S	3E	38	07-21-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
TA- 520	3S	8E	46	07-20-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
TA- 560	3S	7E	20	07-20-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<5	<10	<10	<10	<10	<5	<5	<5	<5
V- 497	1N	8W	21	11-08-88	<5	<10	<10	<10	<10	<5	<5	<5	<5
V- 514	2N	8W	33	11-08-88	<5	<10	<10	<10	<10	<5	<5	<5	<5
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
WB- 269	19N	9W	28	06-22-89	<5	<10	<10	<10	<10	<5	<5	<5	<5
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<5	<10	<10	<10	<10	<5	<5	<5	<5

WELL NO.	LOCATION			DATE OF SAMPLE	4- BROMO- PHENYL ETHER, TOTAL (µG/L)	2- CHLORO- NAPH- THALENE, TOTAL (µG/L)	4- CHLORO- PHENYL ETHER, TOTAL (µG/L)	CHRY- SENE, TOTAL (µG/L)	1,2,5,6 -ANTHRACENE, TOTAL (µG/L)	DI-N- BUTYL PHTHAL- ATE, TOTAL (µG/L)	3,3'- DI- CHLORO- BENZIDINE, TOTAL (µG/L)	DIETHYL PHTHAL- ATE, TOTAL (µG/L)	DI- METHYL PHTHAL- ATE, TOTAL (µG/L)
	T.	R.	SEC.		4- BROMO- PHENYL ETHER, TOTAL (µG/L)	2- CHLORO- NAPH- THALENE, TOTAL (µG/L)	4- CHLORO- PHENYL ETHER, TOTAL (µG/L)	CHRY- SENE, TOTAL (µG/L)	1,2,5,6 -ANTHRACENE, TOTAL (µG/L)	DI-N- BUTYL PHTHAL- ATE, TOTAL (µG/L)	3,3'- DI- CHLORO- BENZIDINE, TOTAL (µG/L)	DIETHYL PHTHAL- ATE, TOTAL (µG/L)	DI- METHYL PHTHAL- ATE, TOTAL (µG/L)
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
EB-1003	7S	2E	38	07-11-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
EB-1036	7S	1E	100	07-06-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
LI- 185	7S	3E	38	07-21-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
TA- 520	3S	8E	46	07-20-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
TA- 560	3S	7E	20	07-20-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<5	<5	<5	<10	<10	<5	<25	<5	<5
V- 497	1N	8W	21	11-08-88	<5	<5	<5	<10	<10	<5	<25	<5	<5
V- 514	2N	8W	33	11-08-88	<5	<5	<5	<10	<10	<5	<25	<5	<5
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
WB- 269	19N	9W	28	06-22-89	<5	<5	<5	<10	<10	<5	<25	<5	<5
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<5	<5	<5	<10	<10	<5	<25	<5	<5

WELL NO.	LOCATION			DATE OF SAMPLE	2,4-DI-NITRO-TOLUENE, TOTAL (µG/L)	2,6-DI-NITRO-TOLUENE, TOTAL (µG/L)	DI-N-OCTYL PHTHALATE, TOTAL (µG/L)	BIS(2-ETHYL HEXYL) PHTHALATE, TOTAL (µG/L)	FLUOR-ENE, TOTAL (µG/L)	FLUOR-ANTHENE, TOTAL (µG/L)	HEXA-CHLORO-BENZENE, TOTAL (µG/L)	HEXA-CHLORO-BUT-ADIENE, TOTAL (µG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE, TOTAL (µG/L)
	T.	R.	SEC.										
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
EB-1003	7S	2E	38	07-11-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
EB-1036	7S	1E	100	07-06-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
LI- 185	7S	3E	38	07-21-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
TA- 520	3S	8E	46	07-20-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
TA- 560	3S	7E	20	07-20-89	<5	<5	<10	<10	<5	<5	<5	<5	<5
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<5	<5	<10	<5	<5	<5	<5	<5	<5
V- 497	1N	8W	21	11-08-88	<5	<5	<10	<5	<5	<5	<5	<5	<5
V- 514	2N	8W	33	11-08-88	<5	<5	<10	<5	<5	<5	<5	<5	<5
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
WB- 269	19N	9W	28	06-22-89	<5	<5	<10	<5	<5	<5	<5	<5	<5
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<5	<5	<10	<5	<5	<5	<5	<5	<5

WELL NO.	LOCATION			DATE OF SAMPLE	HEXA- CHLORO- ETHANE, TOTAL (µG/L)	INDENO	ISO-	NAPHTH-	NITRO-	N-NITRO	N-NITRO	N- NITRO-	PHENAN- THRENE, TOTAL (µG/L)
	T.	R.	SEC.			(1,2,3- CD) PYRENE, TOTAL (µG/L)	PHORONE, TOTAL (µG/L)	ALENE, TOTAL (µG/L)	BENZENE, TOTAL (µG/L)	-SODI- METHY- LAMINE, TOTAL (µG/L)	-SODI- PHENY- LAMINE, TOTAL (µG/L)	SODI-N- PROPYL- AMINE, TOTAL (µG/L)	
BOSSIER PARISH--CONTINUED													
BO- 275	19N	12W	34	07-12-89	<5	<10	<5	<5	<5	--	<5	<5	<5
CALDWELL PARISH--CONTINUED													
CA- 129	13N	4E	17	06-30-89	<5	<10	<5	<5	<5	--	<5	<5	<5
EAST BATON ROUGE PARISH--CONTINUED													
EB- 771	7S	1E	81	07-06-89	<5	<10	<5	<5	<5	--	<5	<5	<5
EB-1003	7S	2E	38	07-11-89	<5	<10	<5	<5	<5	--	<5	<5	<5
EB-1036	7S	1E	100	07-06-89	<5	<10	<5	<5	<5	--	<5	<5	<5
EAST FELICIANA PARISH--CONTINUED													
EF- 225	1S	1E	85	07-12-89	<5	<10	<5	<5	<5	--	<5	<5	<5
FRANKLIN PARISH--CONTINUED													
FR- 368	14N	7E	26	07-11-89	<5	<10	<5	<5	<5	--	<5	<5	<5
LINCOLN PARISH--CONTINUED													
L- 32	18N	2W	19	06-21-89	<5	<10	<5	<5	<5	--	<5	<5	<5
LIVINGSTON PARISH--CONTINUED													
LI- 85	9S	5E	16	07-24-89	<5	<10	<5	<5	<5	--	<5	<5	<5
LI- 185	7S	3E	38	07-21-89	<5	<10	<5	<5	<5	--	<5	<5	<5
MADISON PARISH--CONTINUED													
MA- 31	16N	12E	31	07-10-89	<5	<10	<5	<5	<5	--	<5	<5	<5
MOREHOUSE PARISH--CONTINUED													
MO- 364	21N	5E	25	07-10-89	<5	<10	<5	<5	<5	--	<5	<5	<5
ORLEANS PARISH--CONTINUED													
OR- 195	12S	12E	38	07-18-89	<5	<10	<5	<5	<5	--	<5	<5	<5
OUACHITA PARISH--CONTINUED													
OU- 467	18N	3E	43	06-21-89	<5	<10	<5	<5	<5	--	<5	<5	<5
ST. TAMMANY PARISH--CONTINUED													
ST- 532	8S	12E	43	07-17-89	<5	<10	<5	<5	<5	--	<5	<5	<5
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	07-19-89	<5	<10	<5	<5	<5	--	<5	<5	<5
TA- 520	3S	8E	46	07-20-89	<5	<10	<5	<5	<5	--	<5	<5	<5
TA- 560	3S	7E	20	07-20-89	<5	<10	<5	<5	<5	--	<5	<5	<5
VERMILION PARISH--CONTINUED													
VE- 903	14S	4E	2	03-08-89	<5	<10	<5	<5	<5	--	<5	<5	<5
VERNON PARISH--CONTINUED													
V- 446	1N	8W	20	11-08-88	<5	<10	<5	<5	<5	<5	<5	<5	<5
V- 497	1N	8W	21	11-08-88	<5	<10	<5	<5	<5	<5	<5	<5	<5
V- 514	2N	8W	33	11-08-88	<5	<10	<5	<5	<5	<5	<5	<5	<5
WASHINGTON PARISH--CONTINUED													
WA- 107	2S	12E	16	07-13-89	<5	<10	<5	<5	<5	--	<5	<5	<5
WEBSTER PARISH--CONTINUED													
WB- 241	23N	11W	14	06-22-89	<5	<10	<5	<5	<5	--	<5	<5	<5
WB- 269	19N	9W	28	06-22-89	<5	<10	<5	<5	<5	--	<5	<5	<5
WEST FELICIANA PARISH--CONTINUED													
WF- 232	1S	5W	51	06-27-89	<5	<10	<5	<5	<5	--	<5	<5	<5

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	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	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	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	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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