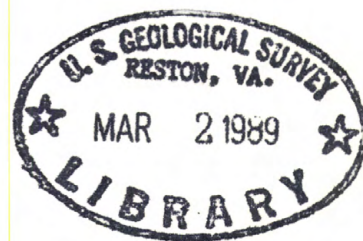
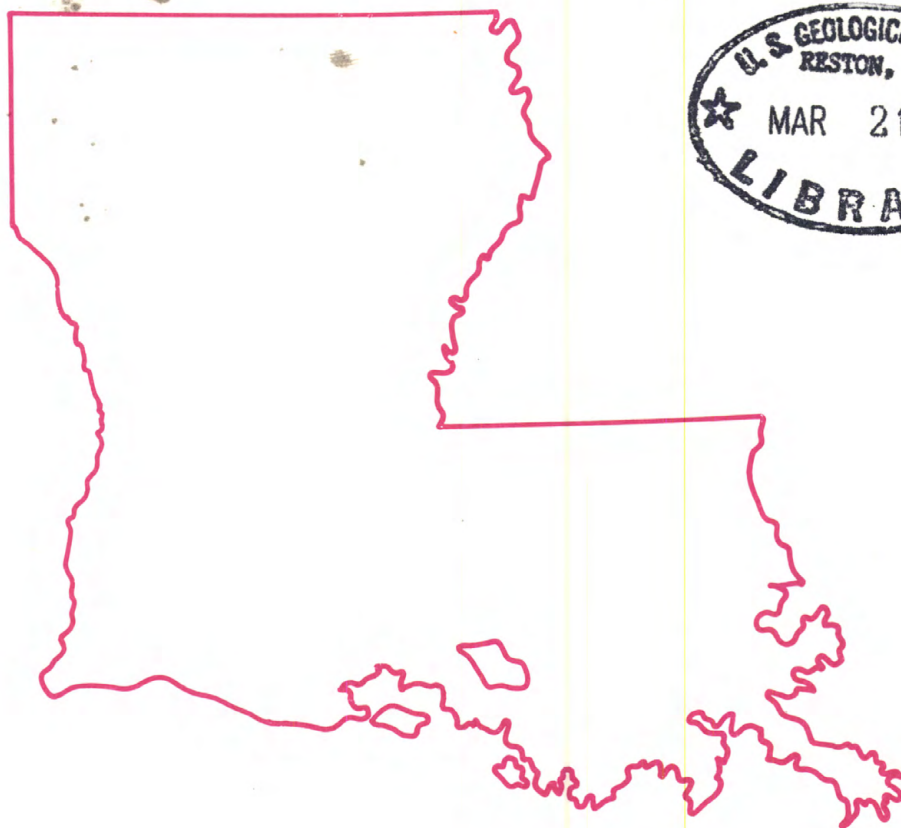


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Water Resources Data Louisiana Water Year 1987



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-87-1

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

DEPOSITORY

CALENDAR FOR WATER YEAR 1987

1986

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Water Resources Data Louisiana Water Year 1987

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-87-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
U.S. Geological Survey
P. O. Box 66492
Baton Rouge, LA 70896

1988

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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Alton J. Dupuy

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Mary M. Jordan typed the text of the report.

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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FOR WHICH RECORDS ARE PUBLISHED**

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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 63 streamflow-gaging stations, stage only for 19 gaging stations, for 77 partial-record or miscellaneous streamflow stations, and for 26 crest-stage, partial record streamflow stations; (2) stage records for 7 lakes; (3) water-quality records for 19 streamflow-gaging stations, for 29 ungaged streamsites, and 77 wells; and (4) water-level records for 346 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-87-1." 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. Temple, Secretary; Office of Water Resources, Maureen O'Neill, Assistant Secretary.

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

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

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

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

City of Slidell, Salvatore A. Caruso, Mayor.

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

From October through November, rainfall statewide was 7.69 in. (inches) above normal. This departure from the average of 7.11 in. was the greatest in northwestern Louisiana. This is reflected in the monthly runoff for Saline Bayou near Lucky. In November, Saline Bayou near Lucky had the second highest monthly-average discharge, 594 ft³/s (cubic feet per second), for the period of record, 1940-87. The highest monthly-average discharge, 713 ft³/s, at this site for November occurred in 1958 (fig. 2).

For the months of December through February rainfall statewide was 4.81 in. above the normal of 14.70 in., and the departure from normal was greatest in southeastern Louisiana. The monthly-average discharge in January for Amite River near Denham Springs was the second highest for the period of record, 1938-87. The monthly-average discharge for Amite River was 7,125 ft³/s compared to the maximum of 7,346 ft³/s in 1974 (fig. 3).

Even though rainfall statewide was generally below normal in March, Pearl River near Bogalusa experienced a new maximum monthly-average discharge of 46,670 ft³/s. The previous maximum monthly-average discharge was 38,920 ft³/s in 1979 (fig. 1). The annual-peak discharge occurred in March and was 71,200 ft³/s, which is about a 10-year flood. In March, the Calcasieu River had a monthly-average discharge of 3,813 ft³/s which was the third highest of record. The maximum March-average discharge is 5,213 ft³/s which occurred in 1973 (fig. 4).

For the period April through September, precipitation was 3.0 in. below the normal of 28.96 in. throughout the State. Summer precipitation in Louisiana tends to be highly variable because of localized showers. This was evident in August when 8.92 in. of rain fell within a 24-hour period in Baton Rouge. Amite River near Denham Springs reflected this intense rainfall as it rose to a peak stage of 27.68 ft (feet) with a corresponding peak discharge of 19,000 ft³/s, which is less than a 2-year frequency.

In August, Pearl River near Bogalusa experienced a monthly-average discharge of 10,270 ft³/s, which was the second highest of record, 1938-87. The maximum August-average discharge is 16,710 ft³/s which occurred in 1975 (fig. 1).

Water Quality

Specific conductance ranged from approximately 340 to 600 μ S (microsiemens per centimeter at 25°C) along most of the Mississippi River during the 1987 water year. However, the specific conductance was 2,270 μ S, for the Mississippi River at Venice, La., on September 3, 1987, due to the influx of water from the Gulf of Mexico. Water temperatures ranged from approximately 5.0 to 32.0°C. Chloride concentrations ranged from approximately 15 to 60 mg/L (milligrams per liter) along the river except at Venice, where it was 500 mg/L on September 3, 1987.

Specific conductance ranged from approximately 400 to 1,400 μ S along the Red River during the 1987 water year. Water temperatures ranged from 7.5 to 32.0°C. Total Iron and manganese values were characteristically high. Total Iron was 16,000 μ g/L (micrograms per liter) at Moncla, La., on October 21, 1986, and total manganese was 750 μ g/L. Chloride values ranged from approximately 70 to 270 mg/L.

Water-quality stations on the Lower Atchafalaya River are at Morgan City and Melville, La. The minimum recorded discharge was 58,400 ft³/s at Morgan City on August 19, 1987. The maximum recorded discharge was 352,000 ft³/s at Melville on December 17, 1986. The lowest recorded specific conductance was 291 μ S on January 23, 1987, at Morgan City. The maximum recorded specific conductance was 644 μ S on June 17, 1987, at Morgan City. Recorded water temperatures ranged from 8.0°C on January 23, 1987, at Morgan City and on February 6, 1987, at Melville to 32.0°C at Morgan City on August 6, 1987.

Water-quality stations in the Florida Parishes include Tangipahoa River at Robert, La.; Tchefuncta River near Covington, La.; Pearl River near Bogalusa, La.; Bogue Chitto near Bush, La.; and Amite River at Port Vincent, La. They characteristically have low specific conductances (50 μ S or lower) much of the year. Values of pH ranged from approximately 6.5 to 7.0 pH units. Tangipahoa, Tchefuncta, and Pearl Rivers were out of their banks at the time of the water-quality samplings in early January 1987. Fecal coliform counts exceeded 200 col/100 ml (colonies per 100 milliliters) at all of the Florida Parish stations, except Pearl River, from 50 to 75 percent of the time that the sites were sampled throughout the water year.

WATER RESOURCES DATA FOR LOUISIANA, 1987

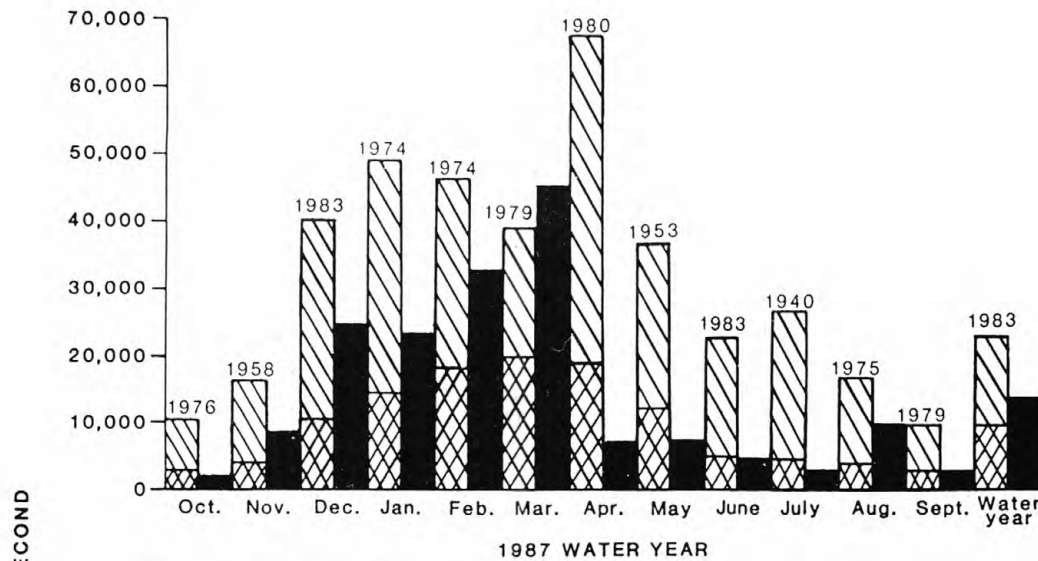


Figure 1.--Pearl River near Bogalusa, La., period of record 1938-87.

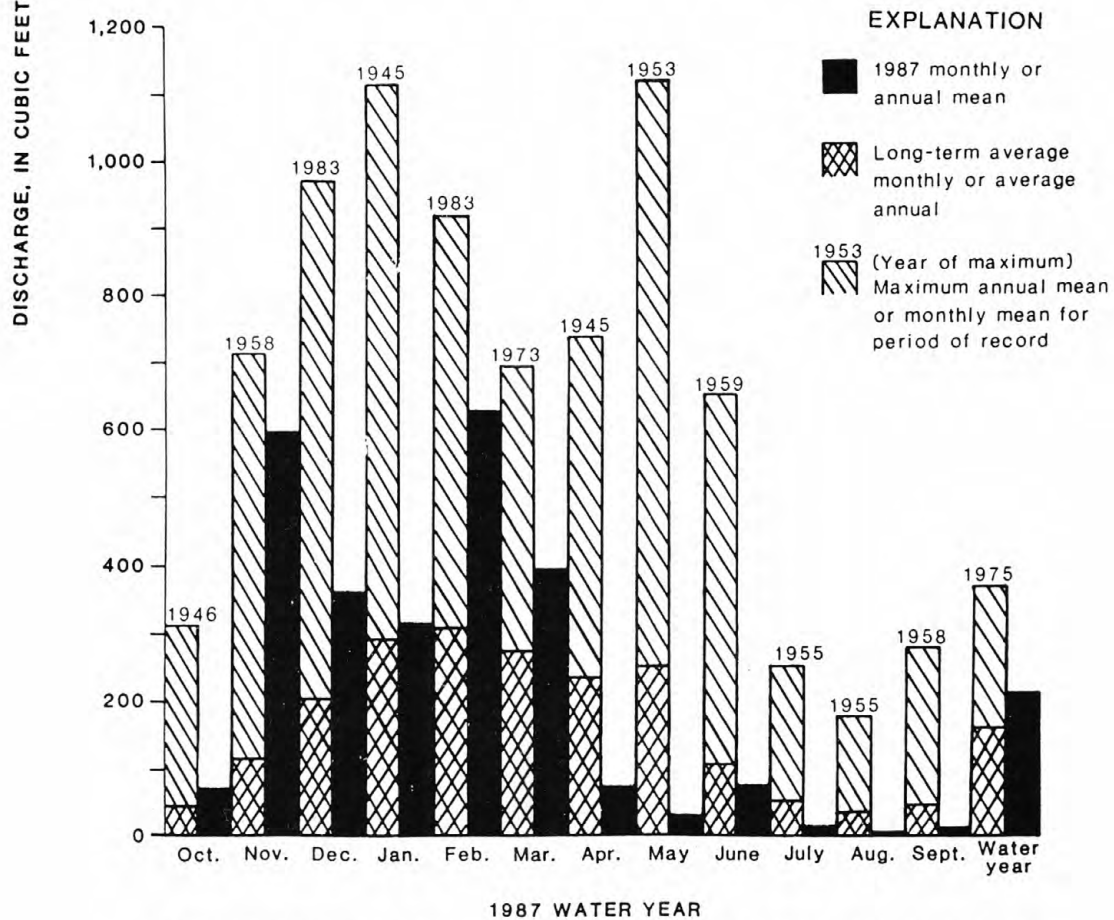


Figure 2.--Saline Bayou near Lucky, La., period of record 1940-87.

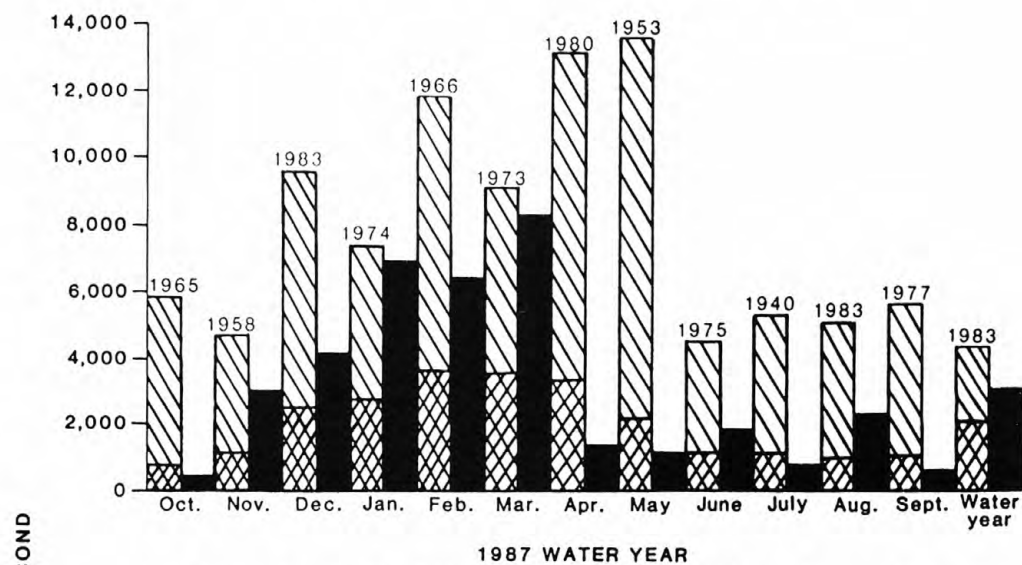


Figure 3.--Amite River near Denham Springs, La., period of record 1938-87.

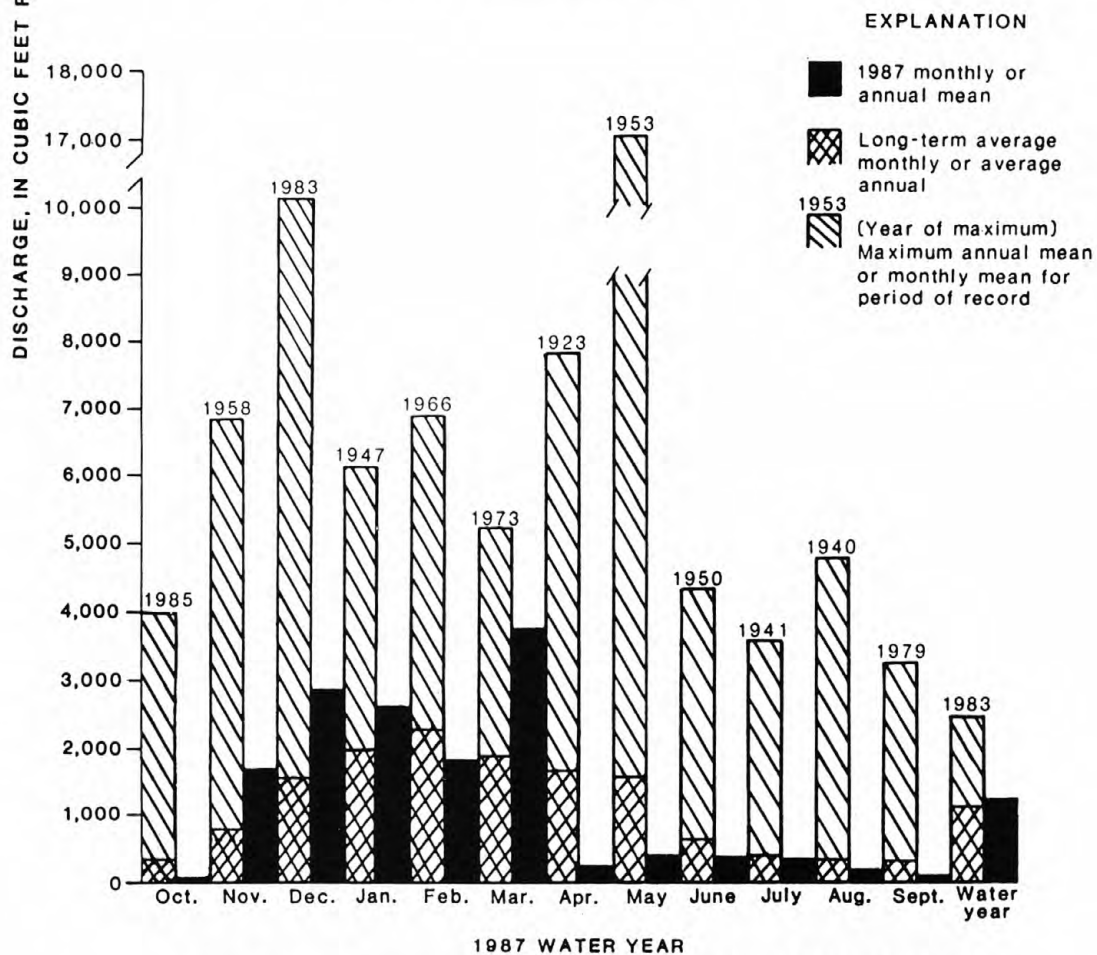


Figure 4.--Calcasieu River near Oberlin, La., period of record 1923-24, 1939-87.

Ground Water

Water Levels

Water levels in some of the major aquifers continued to decline during the 1987 water year. In northern Louisiana, regional water-level declines of 1 to 2 ft occurred in the Sparta aquifer. This trend of declining water levels can be seen in the hydrograph of well Ja-149. Water levels in the Miocene aquifers of central Louisiana declined nearly 2 ft during the water year. These declines are due to heavy pumpage at the Kisatchie well field, near Alexandria. Wells screened in the Evangeline aquifer also showed water-level declines in areas with heavy pumpage. In the Baton Rouge area, water levels in observation wells screened in the "1,500-foot" sand (used primarily for public supply) showed an average decline of 2 to 3 ft. All major aquifers in the Florida Parishes showed slight declines in water levels from the 1986 water year.

In the Lake Charles industrial area, water levels in the "200-foot" and "700-foot" sands, of the Chicot aquifer system, continue to show a rise (see hydrograph of well Cu-843). An average rise of 3 ft was recorded for water levels in wells screened in the "600-foot" sand of the Baton Rouge area.

All other major aquifers showed no significant changes in water levels for the 1987 water year. Water levels in the alluvial aquifers, terrace deposits, and some of the shallow aquifers were mixed, due to seasonal fluctuations.

Water Quality

Wells located along the Louisiana coast, used to monitor saltwater encroachment, showed no significant changes. These monitor wells are located in the Chicot, Gramercy, Norco, and Gonzales-New Orleans aquifers.

Chloride concentrations in other saltwater monitoring wells were relatively unchanged in all other aquifers except the "1,500-foot" sand of the Baton Rouge area. Chloride concentrations increased 200 to 300 mg/L in wells EB-789B and EB-807A, respectively. The chlorograph of well EB-789B illustrates the increase of the chloride concentration from the past year.

WATER RESOURCES DATA FOR LOUISIANA, 1987

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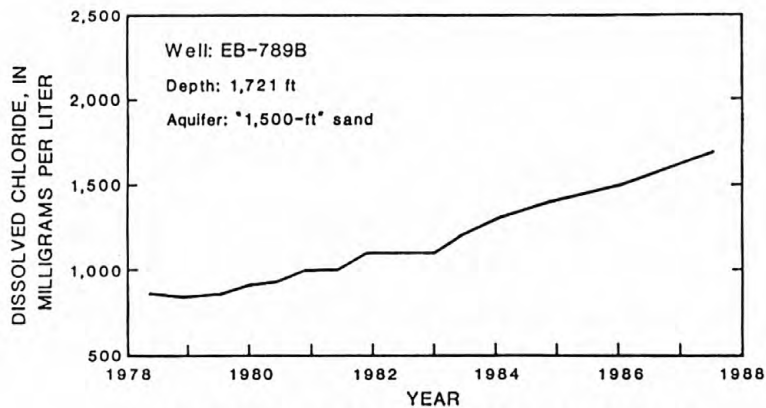
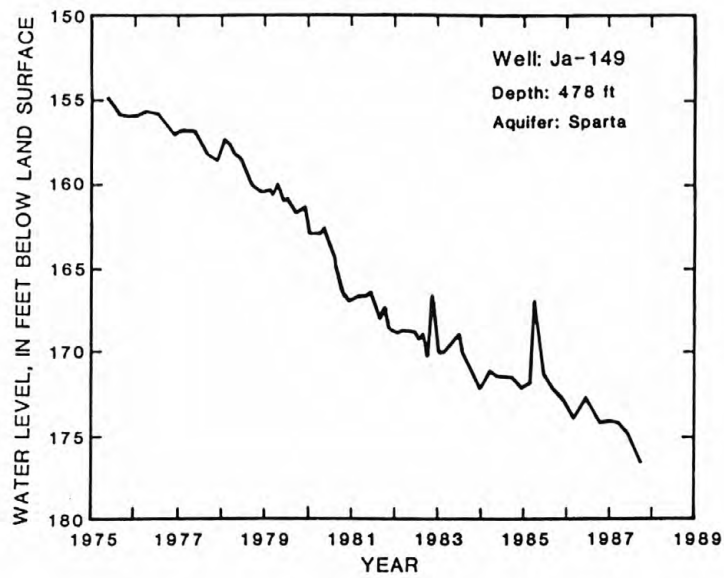
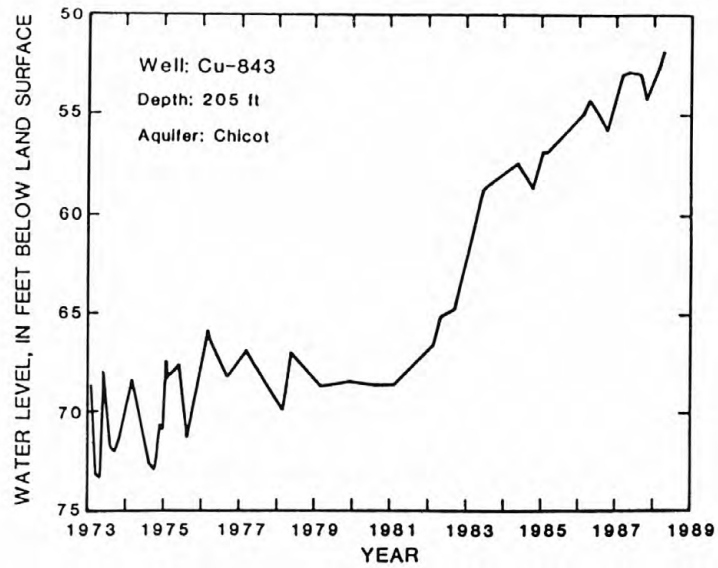


Figure 5.--Hydrographs for selected wells.

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 1987 water year that began October 1, 1986, and ended September 30, 1987. 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 7-20. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

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

Latitude-Longitude System

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

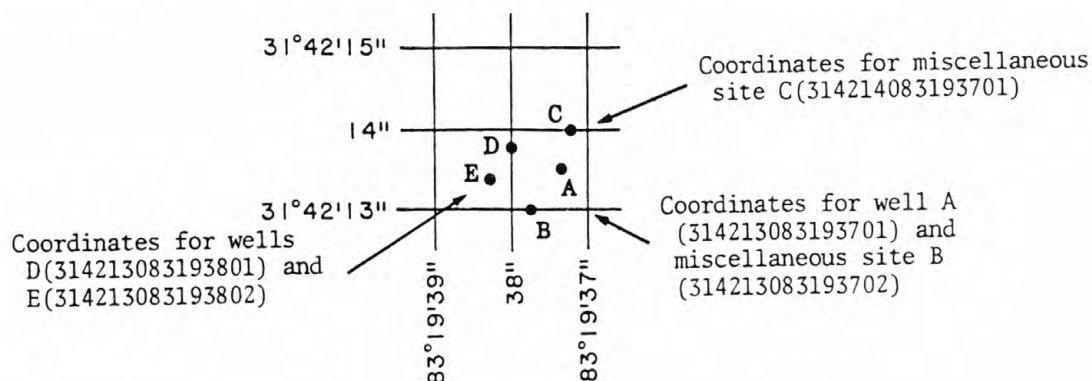


Figure 6. System for numbering wells and miscellaneous sites (latitude and longitude)

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 7-10.

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.

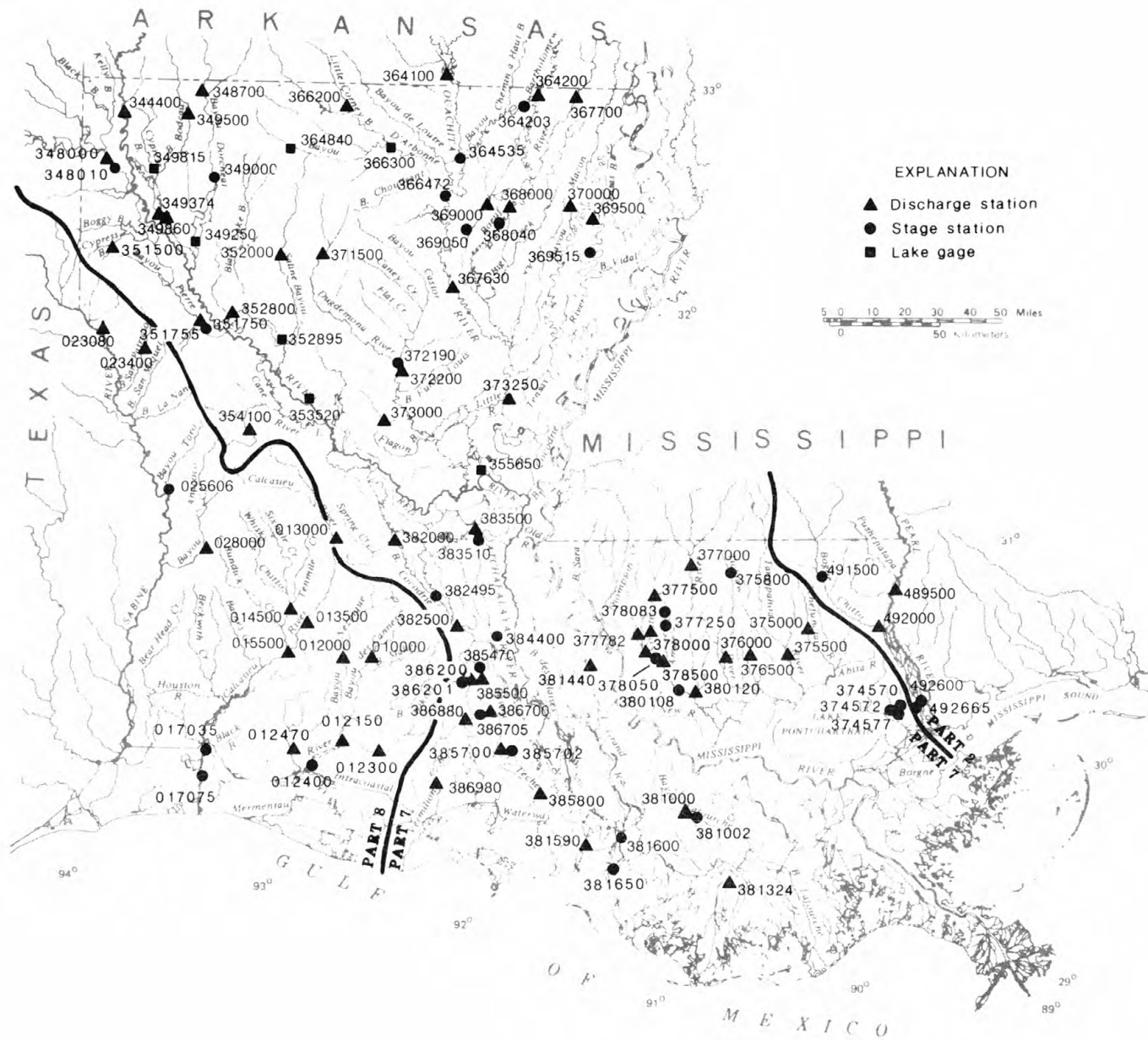
Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined 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 7.--Location of continuous gaging stations.



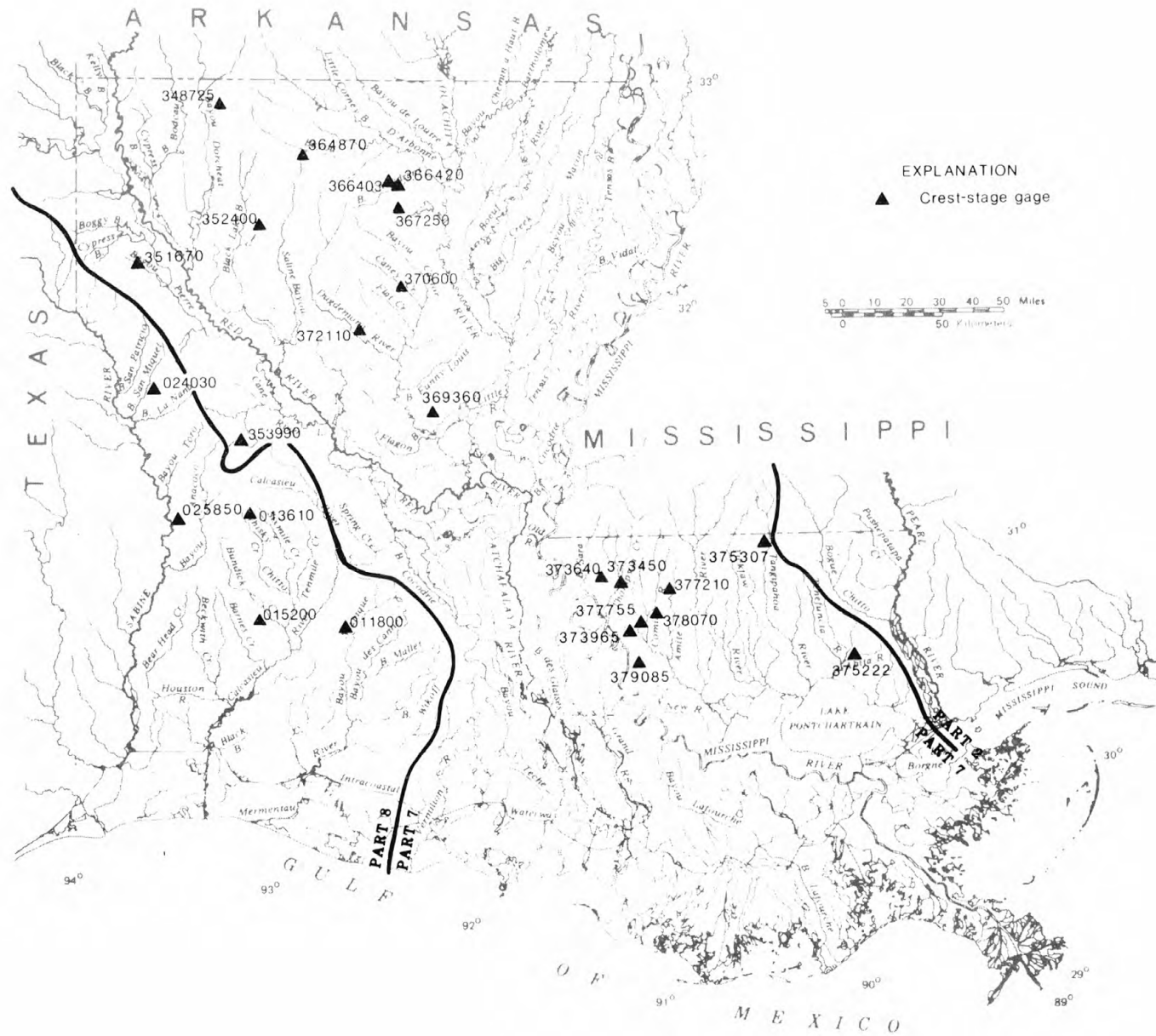
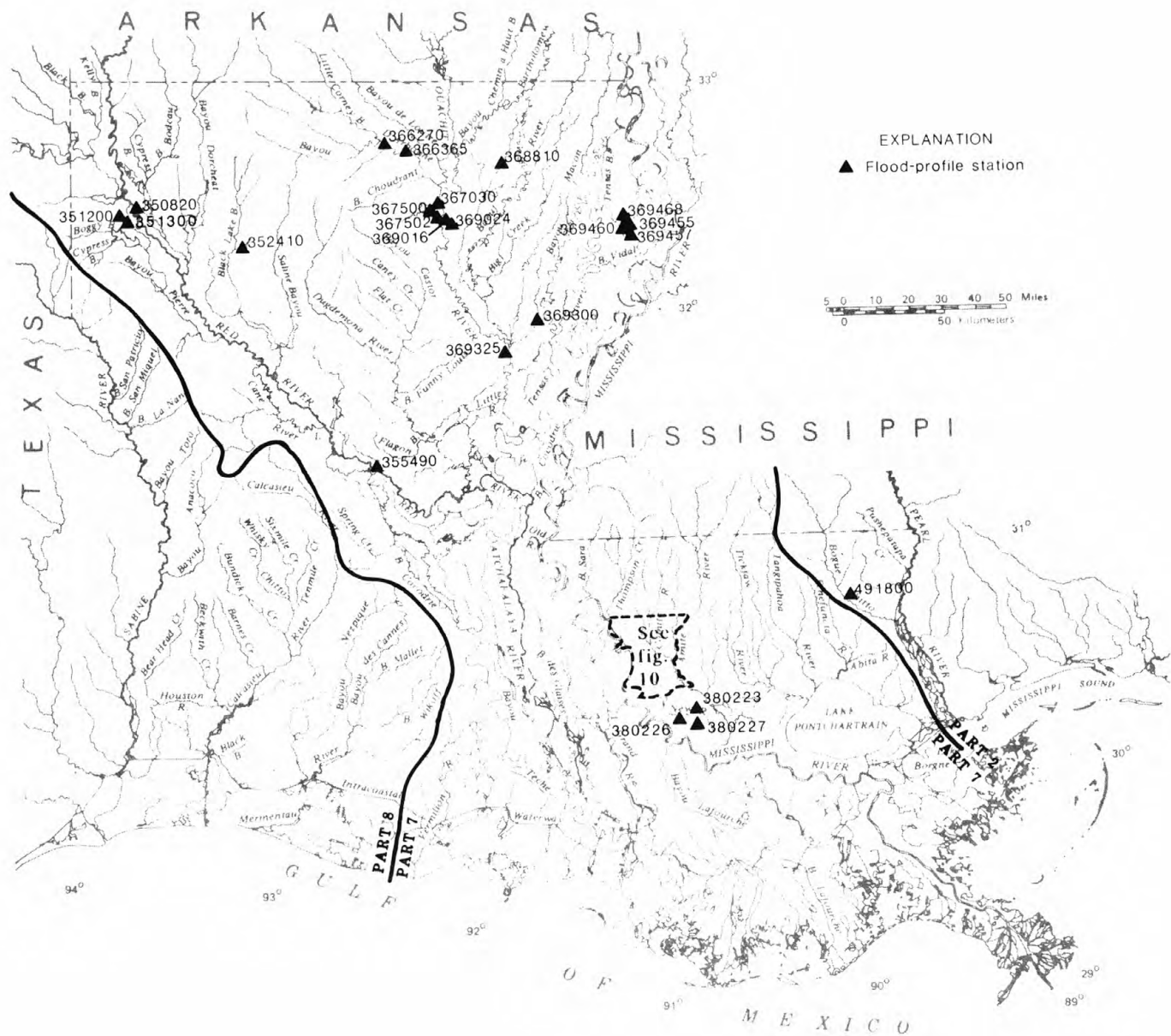


Figure 8.--Location of crest-stage stations.

Figure 9.--Location of flood-profile stations.



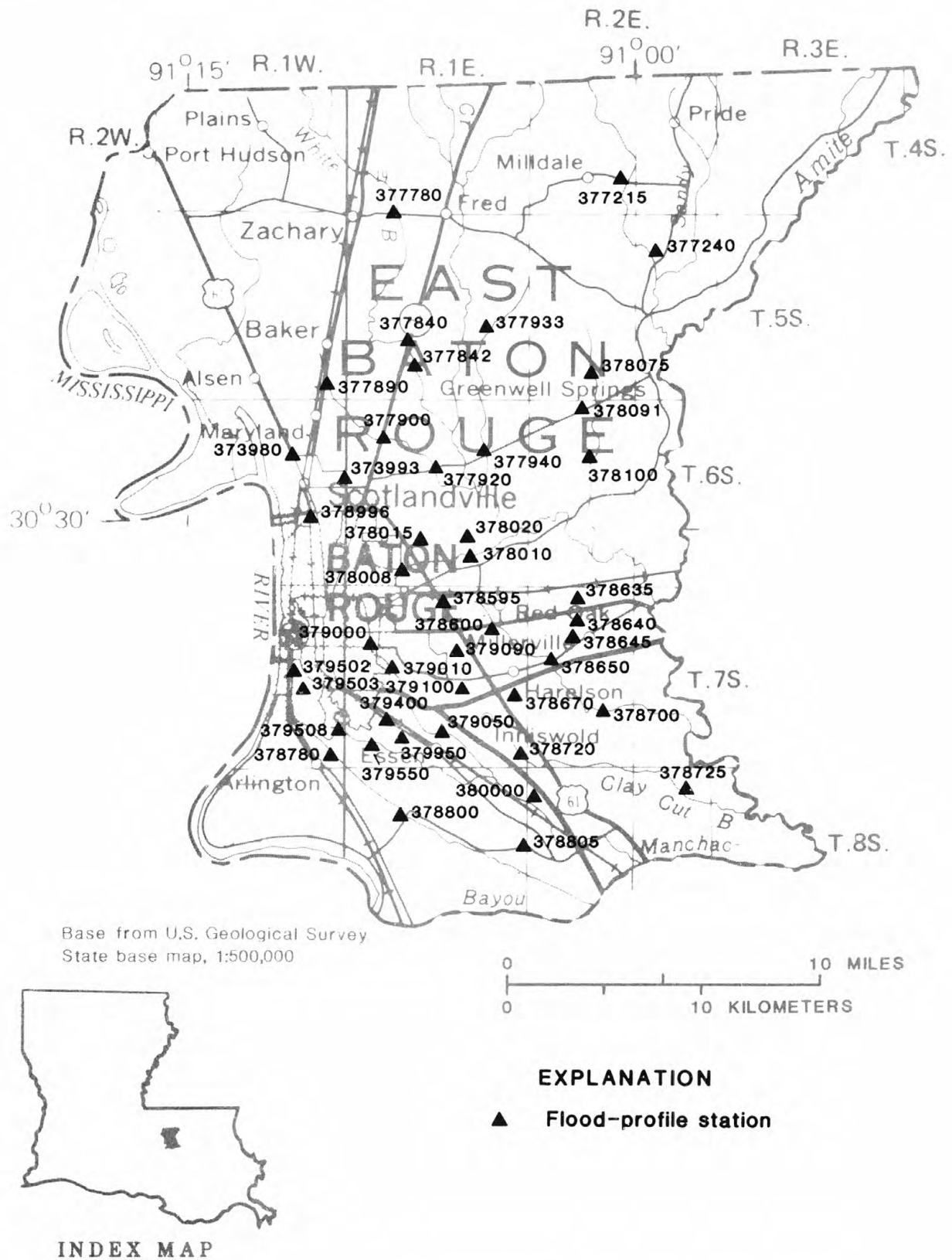


Figure 10.--Location of flood-profile stations in East Baton Rouge Parish.

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

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

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-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 11 and 20.

Arrangement of Records

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

On-Site Measurements and Sample Collection

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

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

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

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

Water Temperature

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

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

Sediment

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

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

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

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

Laboratory Measurements

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

Remark Codes

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

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

Records of Ground-Water Levels

Data Collection and Computation

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

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

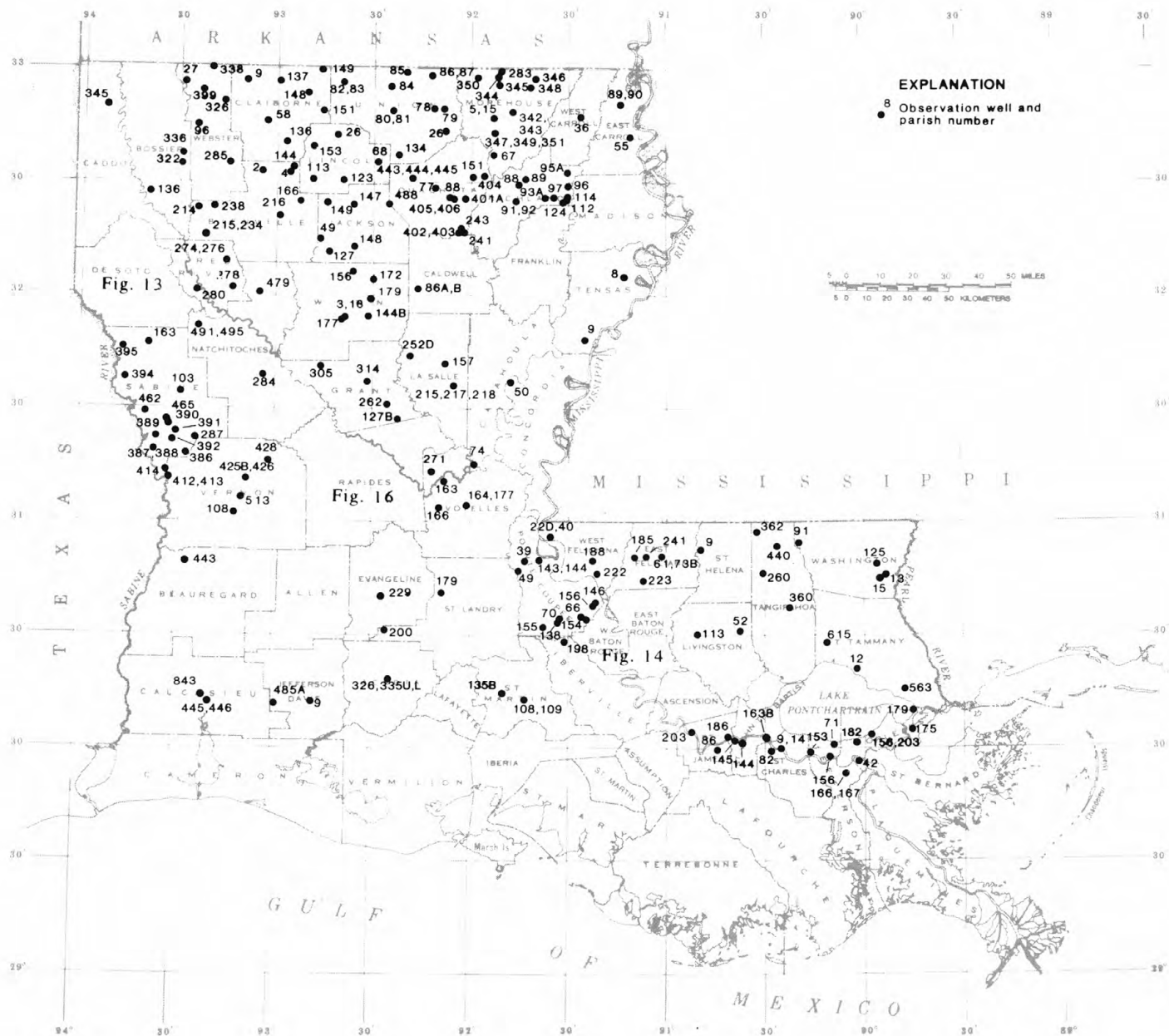
Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately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

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

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. Locations of stations for which records on ground water appear in this report are shown in figures 12-19.

Figure 12.--Location of observation wells.



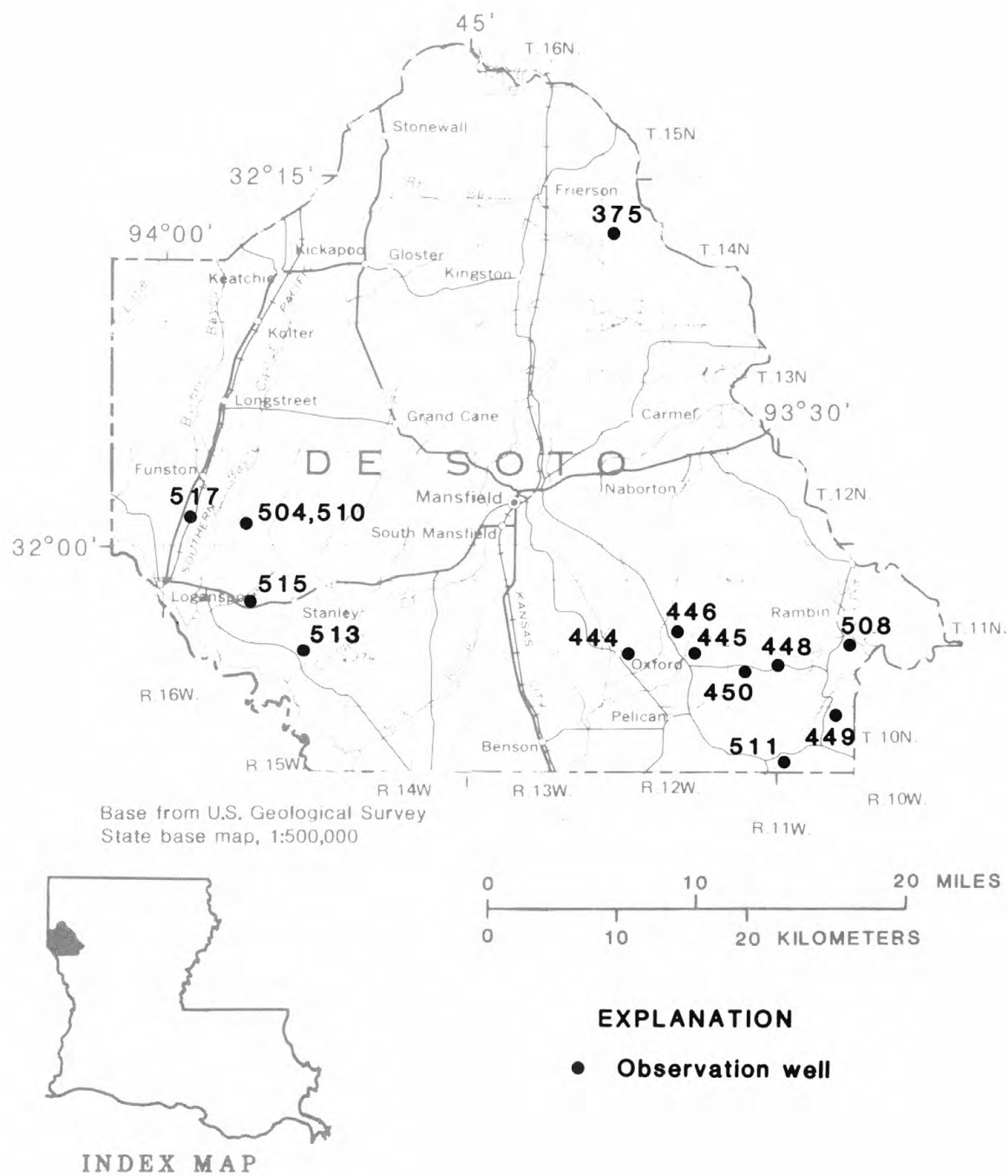


Figure 13.--Location of observation wells in De Soto Parish.

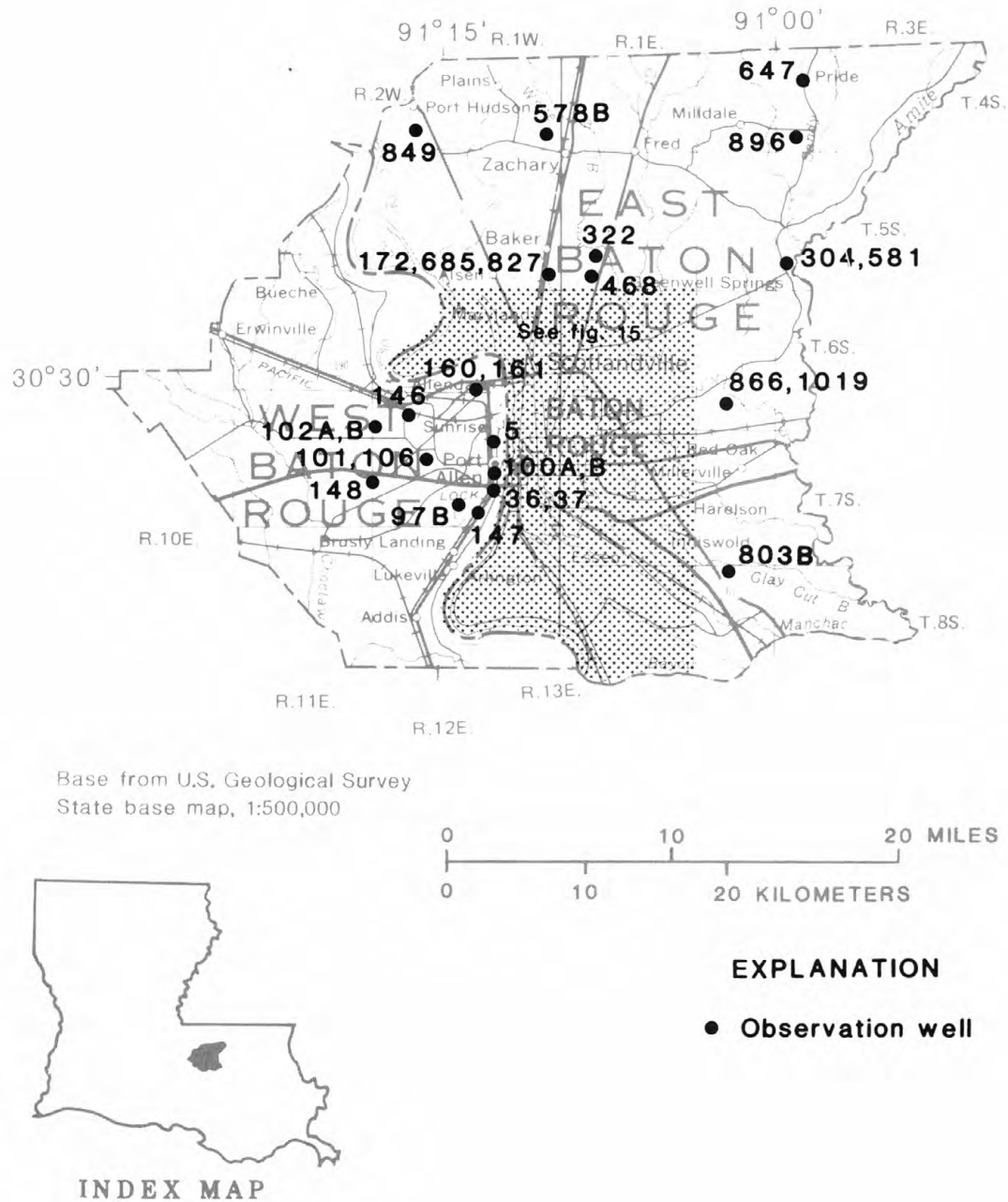


Figure 14.--Location of observation wells in East and West Baton Rouge Parishes.

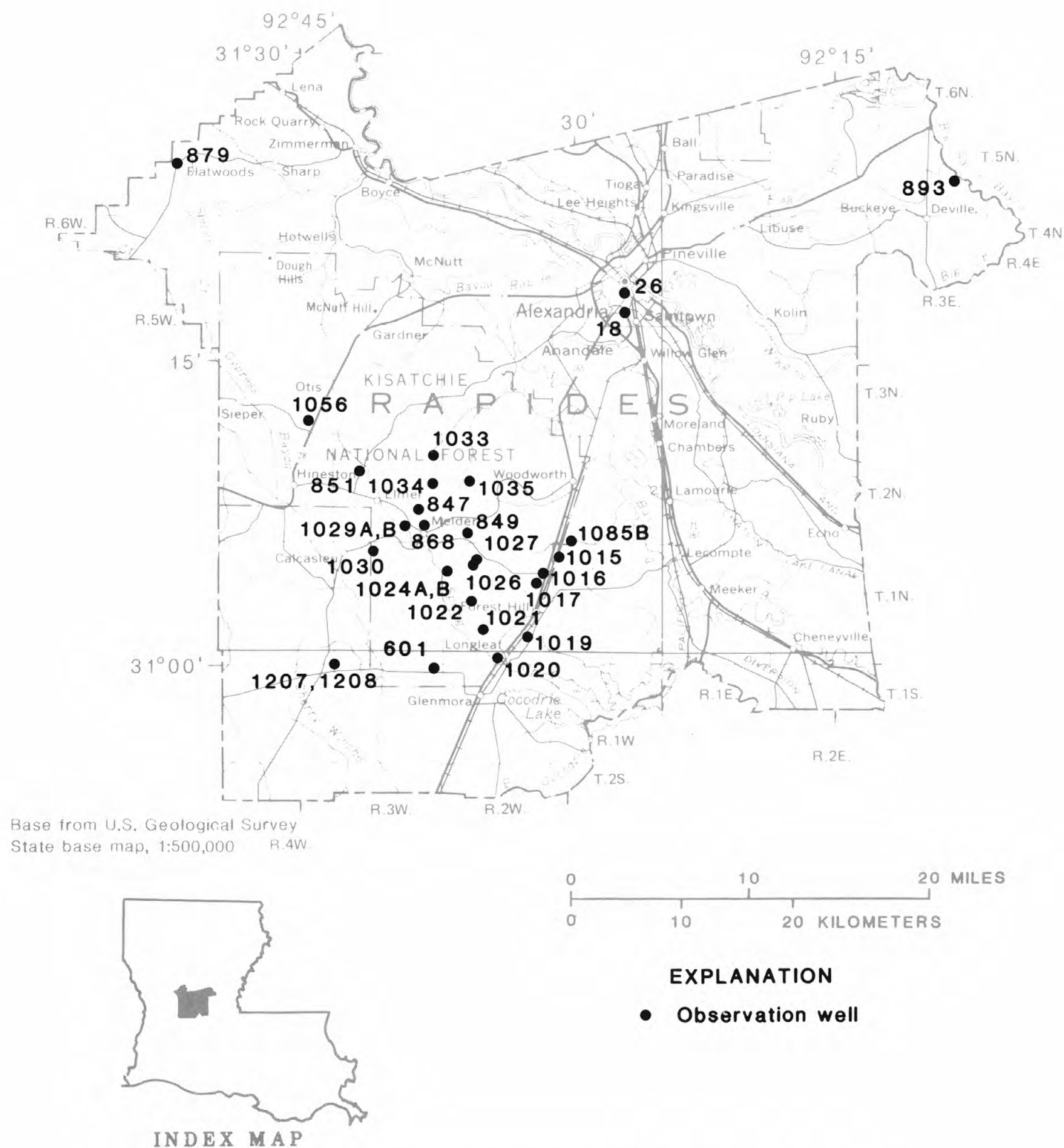


Figure 16.--Location of observation wells in Rapides Parish.

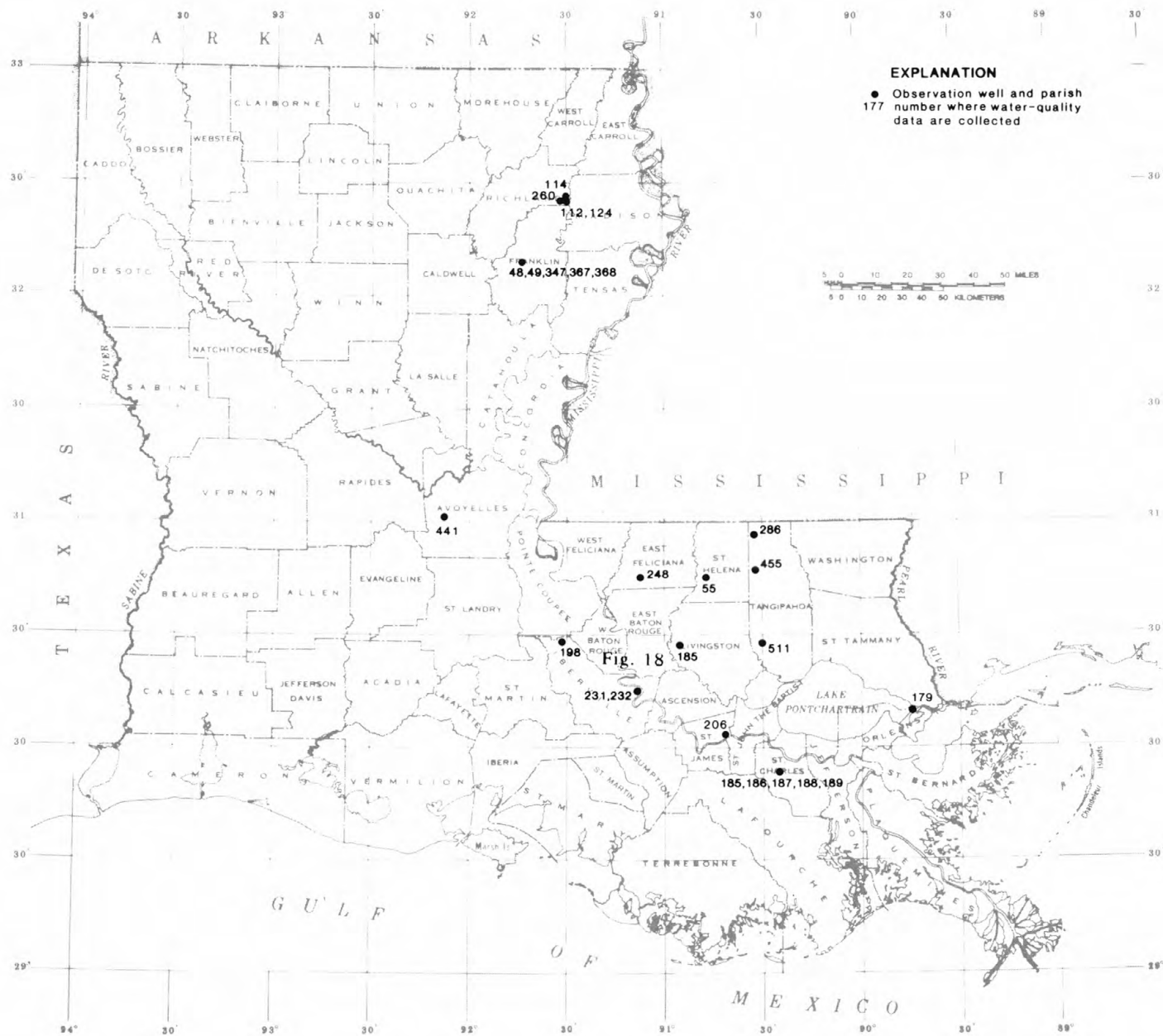
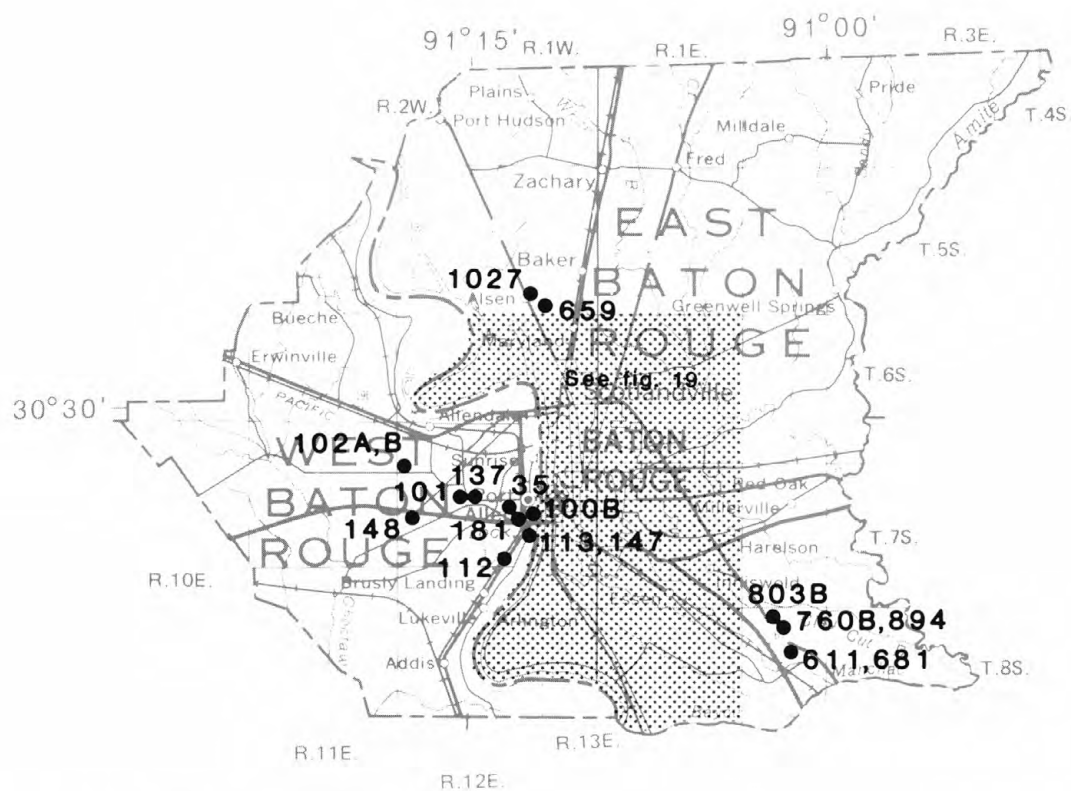


Figure 17.--Location of wells for which water-quality data are included.



Base from U.S. Geological Survey
State base map, 1:500,000

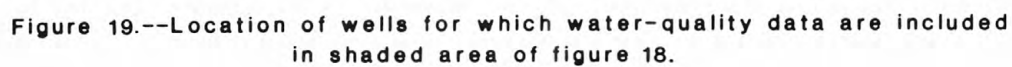


INDEX MAP

EXPLANATION

- Observation well

Figure 18.--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. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

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

Data Collection and Computation

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" 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 **W**ATER Data **S**TORAGE and **R**ETRIEVAL System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's District offices (see address given on the back of the title page).

General Inquiries about WATSTORE may be directed to:

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

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

Recoverable from bottom material refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

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

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

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

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

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

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

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

Micrograms per gram ($\mu\text{g/g}$) 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 ($\mu\text{g/L}$, $\mu\text{g/L}$) 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-endo, exo-1,4:5,8-dimethanonaphthalene.

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

DDD (combination of ortho and para isomers)
o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

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

DDE (combination of ortho and para isomers)
o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

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

DDT (combination of ortho and para isomers)
o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

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

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

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

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

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

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

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-p-nitrophenyl phosphorothioate.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens (formerly micromhos) per centimeter at 25°C (US/CM, $\mu\text{S}/\text{cm}$). 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	Hexagenia
<u>Species</u>	<u>Hexagenia limbata</u>

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

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

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

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

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

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

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

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

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the Books and Open-File Reports Section, Branch of Distribution, U.S. Geological Survey, Box 25425, Federal Center, 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. Flicke, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. **Guidelines for collection and field analysis of ground-water samples for selected unstable constituents**, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. **Application of surface geophysics to ground-water investigations**, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. **Application of borehole geophysics to water-resources investigations**, by W.S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. **General field and office procedures for indirect discharge measurements**, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. **Measurement of peak discharge by the slope-area method**, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. **Measurement of peak discharge at culverts by indirect methods**, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. **Measurement of peak discharge at width contractions by indirect methods**, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. **Measurement of peak discharge at dams by indirect methods**, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. **General procedure for gaging streams**, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. **Stage measurements at gaging stations**, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. **Discharge measurements at gaging stations**, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. **Measurement of time of travel and dispersion in streams by dye tracing**, by E.F. Hubbard, F.A. Kilpatrick, L.A. Martens, and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
- 3-A10. **Discharge ratings at gaging stations**, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A11. **Measurement of discharge by moving-boat method**, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A13. **Computation of continuous records of streamflow**, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. **Use of flumes in measuring discharge**, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. **Computation of water-surface profiles in open channels**, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-B1. **Aquifer-test design, observation, and data analysis**, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. **Introduction to ground-water hydraulics, a programed text for self-instruction**, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. **Type curves for selected problems of flow to wells in confined aquifers**, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-C1. **Fluvial sediment concepts**, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. **Field methods for measurement of fluvial sediment**, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. **Computation of fluvial-sediment discharge**, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. **Some statistical tools in hydrology**, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. **Frequency curves**, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. **Low-flow investigations**, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. **Storage analyses for water supply**, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. **Regional analyses of streamflow characteristics**, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. **Computation of rate and volume of stream depletion by wells**, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. **Methods for determination of inorganic substances in water and fluvial sediments**, by M.W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. **Determination of minor elements in water by emission spectroscopy**, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. **Methods for analysis of organic substances in water**, by D.F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 5-A4. **Methods for collection and analysis of aquatic biological and microbiological samples**, edited by P.E. Greeson, T.A. Ehike, G.A. Irwin, B.W. Lium, and K.V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. **Methods for determination of radioactive substances in water and fluvial sediments**, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. **Quality assurance practices for the chemical and biological analyses of water and fluvial sediments**, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. **Laboratory theory and methods for sediment analysis**, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. **Finite difference model for aquifer simulation in two dimensions with results of numerical experiments**, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. **Computer model of two-dimensional solute transport and dispersion in ground water**, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. **A model for simulation of flow in singular and interconnected channels**, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. **Methods of measuring water levels in deep wells**, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. **Installation and service manual for U.S. Geological Survey manometers**, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. **Calibration and maintenance of vertical-axis type current meters**, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

HYDROLOGIC-DATA STATION RECORDS

45

PEARL RIVER BASIN

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

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

DRAINAGE AREA.--6,573 mi².

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--49 years, 9,891 ft³/s, 20.44 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, 71,200 ft³/s Mar. 3, gage height, 21.18 ft; minimum discharge, 1,660 ft³/s Oct. 1, 2, 3; minimum gage height, 6.72 ft Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	1990	38500	14400	35000	61300	13100	3520	5590	7300	2270	3110
2	1660	1960	38500	12100	30600	67300	12600	3390	4540	6940	2260	3030
3	1690	1940	37200	10000	24100	70500	12100	3270	3840	6020	2350	2870
4	1730	1930	35400	10400	19200	69800	11500	3830	3450	5110	3240	2730
5	1700	2650	33900	13300	16700	66000	10600	10500	3280	4560	7190	2630
6	1690	3400	32500	15400	16200	62800	10000	10800	3180	4040	7130	2560
7	1710	3150	30700	13800	18600	61500	9670	8050	3100	3820	7510	2500
8	1740	2940	28000	11400	22500	60900	9090	9330	3060	4000	8530	2460
9	1770	3370	24300	9810	26900	58900	8530	9990	3020	3840	7860	2430
10	2020	3720	20000	9010	30000	56400	8070	9050	2940	3460	6680	2420
11	2090	4280	17100	8850	31200	54300	7720	8540	2840	3110	5220	2440
12	1990	4870	20500	8730	30300	52900	7460	7980	2800	2870	4800	2490
13	2100	4360	23900	8390	28600	52200	7110	7010	2900	2740	8580	2590
14	2560	3240	24600	7670	27600	51400	7070	6950	3230	2630	32700	2530
15	3160	2930	22900	7350	27600	50100	7670	6480	3520	2580	43300	2590
16	4180	3340	21600	7800	30300	48100	8190	7600	3360	2510	45500	2720
17	4310	4010	20700	8940	32800	45300	7470	9340	3710	2420	37000	2600
18	3610	4500	19600	16000	35000	44600	7010	11500	5730	2330	21400	2480
19	3020	4720	19900	29000	36500	43900	6690	12800	6880	2280	12600	2540
20	2600	4770	20400	37700	37200	41300	6270	11500	6980	2230	8230	2910
21	2330	5100	20600	42100	36900	40300	5940	9370	7160	2190	6190	3130
22	2170	5210	19600	46500	36300	40700	5700	7840	9350	2190	5100	2840
23	2080	5220	19200	48300	37300	40900	5490	6530	9320	2210	4530	2590
24	2110	5300	23400	47500	39900	39500	5240	5880	7820	2290	4090	2550
25	2200	10200	28600	45700	42900	36300	4850	5670	7030	2290	3720	2420
26	2300	23100	32000	44100	46400	31600	4510	5470	7240	2440	3430	2290
27	2280	30300	32900	42900	52100	27400	4150	5030	7180	2480	3280	2200
28	2160	33400	29000	41500	56000	23300	3920	5280	6680	2400	3180	2150
29	2140	35600	22200	40500	---	18100	3750	6910	6690	2300	3450	2130
30	2130	37300	18200	39500	---	14900	3620	7440	7080	2230	3640	2160
31	2060	---	16100	37900	---	14200	---	6790	---	2280	3300	---
TOTAL	70960	258800	792000	736550	904700	1446700	225090	233640	153500	100090	318260	77090
MEAN	2289	8627	25550	23760	32310	46670	7503	7537	5117	3229	10270	2570
MAX	4310	37300	38500	48300	56000	70500	13100	12800	9350	7300	45500	3130
MIN	1660	1930	16100	7350	16200	14200	3620	3270	2800	2190	2260	2130
CFSM	.35	1.31	3.89	3.61	4.92	7.10	1.14	1.15	.78	.49	1.56	.39
IN.	.40	1.46	4.48	4.17	5.12	8.19	1.27	1.32	.87	.57	1.80	.44
CAL YR 1986	TOTAL 2460480		MEAN 6741		MAX 38500		MIN 1660		CFSM 1.03		IN. 13.93	
WTR YR 1987	TOTAL 5317380		MEAN 14570		MAX 70500		MIN 1660		CFSM 2.22		IN. 30.09	

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.74	7.26	19.46	16.32	19.20	20.74	15.94	10.18	11.69	13.00	8.25	9.33
2	6.72	7.20	19.46	15.55	18.85	21.02	15.75	10.04	10.74	12.73	8.24	9.23
3	6.77	7.18	19.37	14.68	18.22	21.15	15.58	9.86	10.11	12.03	8.35	9.03
4	6.84	7.16	19.24	14.83	17.44	21.12	15.36	10.43	9.75	11.29	9.38	8.85
5	6.80	8.26	19.13	15.98	16.95	20.96	15.00	14.88	9.55	10.76	12.90	8.72
6	6.78	9.35	19.01	16.62	16.84	20.81	14.78	15.00	9.42	10.29	12.87	8.62
7	6.82	9.01	18.86	16.15	17.33	20.75	14.64	13.51	9.32	10.08	13.13	8.55
8	6.85	8.70	18.63	15.28	18.02	20.73	14.36	14.29	9.27	10.25	13.83	8.50
9	6.91	9.32	18.25	14.57	18.52	20.63	14.05	14.66	9.22	10.10	13.39	8.46
10	7.31	9.71	17.59	14.14	18.81	20.50	13.79	14.16	9.12	9.75	12.53	8.45
11	7.42	10.28	17.02	14.03	18.91	20.40	13.59	13.84	8.98	9.32	11.38	8.47
12	7.25	10.92	17.67	13.95	18.83	20.33	13.43	13.47	8.94	9.03	10.99	8.53
13	7.43	10.38	18.22	13.74	18.69	20.28	13.20	12.78	9.06	8.86	13.23	8.67
14	8.14	9.13	18.30	13.26	18.59	20.25	13.17	12.74	9.49	8.73	19.00	8.59
15	9.01	8.68	18.09	13.03	18.60	20.17	13.55	12.38	9.82	8.66	19.77	8.67
16	10.19	9.27	17.86	13.35	18.83	20.06	13.86	13.19	9.64	8.56	19.90	8.83
17	10.32	10.00	17.71	14.08	19.04	19.89	13.43	14.32	9.98	8.44	19.34	8.68
18	9.59	10.52	17.51	16.59	19.21	19.85	13.14	15.31	11.79	8.33	17.77	8.52
19	8.81	10.76	17.58	18.70	19.32	19.81	12.93	15.84	12.68	8.26	15.68	8.60
20	8.21	10.82	17.66	19.40	19.37	19.65	12.65	15.30	12.76	8.19	13.62	9.08
21	7.80	11.18	17.69	19.69	19.35	19.58	12.42	14.33	12.89	8.14	12.16	9.35
22	7.55	11.29	17.52	19.97	19.31	19.61	12.26	13.37	14.33	8.14	11.28	8.99
23	7.41	11.31	17.44	20.07	19.38	19.62	12.10	12.41	14.32	8.16	10.73	8.66
24	7.45	11.39	18.12	20.03	19.55	19.52	11.87	11.92	13.36	8.28	10.33	8.61
25	7.60	14.38	18.68	19.92	19.74	19.30	11.51	11.78	12.79	8.27	9.99	8.44
26	7.76	18.04	18.97	19.82	19.96	18.94	11.19	11.62	12.95	8.47	9.73	8.28
27	7.72	18.83	19.04	19.75	20.28	18.58	10.83	11.21	12.91	8.52	9.55	8.15
28	7.54	19.08	18.72	19.65	20.48	18.12	10.60	11.43	12.53	8.41	9.42	8.08
29	7.51	19.25	17.95	19.59	---	17.22	10.42	12.70	12.54	8.28	9.73	8.05
30	7.49	19.38	17.26	19.53	---	16.48	10.29	13.10	12.83	8.19	9.93	8.09
31	7.37	---	16.82	19.41	---	16.27	---	12.62	---	8.26	9.57	---
MAX	10.32	19.38	19.46	20.07	20.48	21.15	15.94	15.84	14.33	13.00	19.90	9.35
MIN	6.72	7.16	16.82	13.03	16.84	16.27	10.29	9.86	8.94	8.14	8.24	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, 632 mg/L Aug. 14; minimum daily mean, 27 mg/L Nov. 2.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 54,200 tons Aug. 14; minimum daily, 143 tons Nov. 2.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 21...	1200	85	7.22	19.0	50	30	9.0	1.3	K30	40
JAN 05...	1150	46	6.70	10.5	80	36	9.0	0.7	2400	6000
MAY 14...	1030	68	6.88	26.0	50	24	8.2	1.8	40	430
JUN 24...	1200	60	6.90	27.0	60	27	7.0	1.9	K60	140

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 21...	15	4.1	1.2	9.3	2.7	18	12	7.1	<0.1	9.6
JAN 05...	13	3.2	1.1	4.7	2.0	10	15	5.3	<0.1	9.4
MAY 14...	14	3.9	1.1	6.8	1.9	16	12	5.4	<0.1	7.3
JUN 24...	12	3.3	0.99	5.4	2.1	13	5.6	4.9	<0.1	6.9

< 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 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
OCT 21...	66	57	0.43	0.03	0.03	0.6	0.11	0.06	0.03	70
JAN 05...	54	47	--	--	--	--	--	--	--	180
MAY 14...	52	49	0.32	0.05	0.05	0.7	0.10	0.03	0.02	50
JUN 24...	53	37	0.37	0.07	0.08	1.5	0.15	0.04	0.02	60

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 21...	<1	31	<0.5	1	<1	<3	8	150	<5	5
JAN 05...	<1	28	<0.5	<1	<1	<3	5	220	<5	<4
MAY 14...	<1	25	<0.5	<1	<1	<3	2	230	6	<4
JUN 24...	<1	26	<0.5	4	<1	<3	7	180	<5	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 21...	15	<0.1	<10	<1	<1	<1	32	<6	15
JAN 05...	37	0.2	<10	2	<1	<1	25	<6	12
MAY 14...	5	<0.1	<10	3	<1	<1	31	<6	<3
JUN 24...	17	<0.1	<10	<1	<1	<1	27	<6	21

DATE	DIS- CHARGE, IN 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...	2320	51	319	96
JAN 05...	13300	152	5460	78
APR 06...	10000	53	1430	86
MAY 14...	6980	43	810	98
JUN 24...	7760	77	1610	98

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

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SEDIMENT, SUSPENDED, (MG/L), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

[illegible]

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, Hydrologic Unit 03180005, at bridge on State Highway 10, 0.8 mi west of Franklinton, and 3.5 mi upstream from Lawrence Creek.

DRAINAGE AREA.--990 mi².

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,600 ft³/s Mar. 1, gage height, 17.36 ft; minimum gage height, 0.63 ft Oct. 7, 8.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	.74	2.00	1.84	2.40	17.10	3.29	1.86	1.83	1.73	1.55	1.58
2	.66	.74	1.79	1.70	2.37	16.65	2.88	1.84	1.83	1.87	1.49	1.51
3	.65	.72	1.57	1.59	2.49	11.25	2.78	1.83	1.78	1.75	1.55	1.46
4	.67	.75	1.42	4.13	2.85	6.76	2.77	1.83	1.76	1.79	1.65	1.45
5	.66	2.25	1.30	4.70	2.52	4.98	2.64	2.38	1.75	1.73	2.78	1.44
6	.67	1.95	1.21	4.79	2.41	4.34	2.56	2.60	1.73	1.71	3.25	1.42
7	.64	1.19	1.15	4.35	4.63	3.98	2.48	2.70	1.71	1.68	3.46	1.41
8	.63	1.07	1.13	3.04	5.18	5.43	2.41	2.55	1.69	1.76	2.86	1.41
9	.68	.95	1.11	2.34	4.92	5.99	2.35	2.37	1.67	1.72	2.44	1.43
10	.95	.91	1.21	2.11	4.69	6.05	2.31	2.15	1.65	1.67	2.34	1.44
11	.78	.97	4.15	1.95	3.00	5.12	2.27	4.02	1.64	1.64	2.03	1.43
12	1.07	1.06	5.00	1.78	2.50	4.09	2.25	2.45	1.66	1.62	2.47	1.45
13	1.29	.89	4.14	1.64	2.24	3.67	2.21	2.18	1.86	1.59	2.67	1.45
14	1.57	.82	2.97	1.57	2.09	3.42	3.16	2.46	2.22	1.57	2.92	1.43
15	1.37	.80	2.18	1.64	1.98	3.25	4.12	3.79	2.26	1.57	2.18	1.41
16	1.11	.81	3.17	1.65	5.57	3.12	3.64	4.63	2.17	1.54	2.71	1.38
17	.90	.81	3.72	2.58	6.40	3.01	2.87	4.03	2.78	1.53	2.36	1.37
18	.81	.83	3.46	7.94	5.18	6.81	2.52	2.84	2.06	1.51	2.02	2.81
19	.77	.81	4.09	14.11	4.57	9.31	2.36	3.06	2.81	1.49	1.81	2.58
20	.75	.83	4.38	14.08	2.92	7.89	2.26	2.44	2.95	1.47	1.73	2.25
21	.74	2.04	4.19	10.78	3.05	7.23	2.20	2.17	2.40	1.46	1.64	1.79
22	.74	1.19	3.14	10.22	4.81	4.40	2.14	2.05	2.99	1.47	1.60	1.60
23	.75	1.13	5.35	7.83	7.47	3.52	2.09	4.19	2.36	1.55	1.57	1.50
24	.80	1.08	8.43	6.01	6.68	3.55	2.05	4.08	2.27	1.48	1.55	1.45
25	.91	3.83	7.40	6.07	8.59	4.44	2.01	2.83	2.35	1.45	1.52	1.42
26	.89	5.96	6.39	6.32	8.37	4.24	1.97	2.46	2.28	1.45	1.50	1.40
27	.86	4.80	4.93	5.26	12.26	3.47	1.94	2.23	2.27	1.43	1.53	1.39
28	.81	4.07	3.19	4.42	16.24	3.03	1.93	2.09	1.95	1.45	1.50	1.38
29	.77	2.92	2.63	3.40	---	2.81	1.90	1.97	1.82	1.46	1.58	1.38
30	.75	2.22	2.26	2.97	---	3.58	1.87	1.90	1.76	1.53	1.62	1.39
31	.75	---	2.02	2.65	---	3.39	---	1.86	---	1.65	1.56	---
MAX	1.57	5.96	8.43	14.11	16.24	17.10	4.12	4.63	2.99	1.87	3.46	2.81
MIN	.63	.72	1.11	1.57	1.98	2.81	1.87	1.83	1.64	1.43	1.49	1.37

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

LOCATION.--Lat 30°37'45", long 89°53'50", in SE 1/4 NE 1/4 lot 42, T.5 S., R.13 E., St. Tammany Parish, 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: Oct. 1-7, 9. Records good, except those for periods of estimated discharge which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 1,918 ft³/s, 21.47 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. 21	0230	21,900	12.83	Mar. 20	0800	12,100	11.24
Mar. 2	1830	*34,300	*14.52				

Minimum daily discharge, 600 ft³/s Oct. 1-2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	672	2250	1700	2120	32000	3040	1140	1080	1050	891	953
2	600	665	1970	1560	1990	33600	2550	1130	1070	1150	831	926
3	610	665	1730	1490	2080	30300	2270	1110	1050	1130	863	877
4	620	661	1530	2100	2100	17300	2230	1110	1030	1070	928	847
5	610	980	1370	3300	2140	9050	2130	1210	1020	1060	1630	828
6	610	1870	1250	3740	2100	5430	1980	1530	998	1060	3320	818
7	620	1490	1160	3700	2930	4180	1870	1560	978	1130	3180	812
8	635	1050	1110	3350	4370	4410	1780	1660	959	1270	2430	802
9	620	924	1060	2490	4780	5670	1700	1600	940	1280	2220	802
10	681	857	1050	1980	4520	6380	1640	1470	924	1130	1780	809
11	768	934	1500	1800	3860	6110	1590	1570	915	1010	1530	839
12	790	981	2950	1640	2530	4920	1550	2040	941	951	1760	883
13	879	942	3450	1510	2020	3640	1550	1550	1140	916	2540	864
14	1030	837	3050	1450	1800	2990	1860	1530	1490	890	2580	829
15	1090	793	2300	1500	1770	2680	2720	1920	1900	877	2290	809
16	983	773	2130	1580	2980	2480	3010	2880	2120	868	2150	795
17	857	771	2830	2010	5140	2360	2540	3300	2220	847	2280	793
18	773	767	3090	3480	6130	3790	2010	2980	2160	831	1820	881
19	728	762	3140	8190	5150	8460	1730	2220	1970	818	1390	1540
20	703	790	3490	18600	3900	11700	1590	2040	1950	805	1160	1480
21	688	1180	3570	21300	2810	9830	1490	1620	1970	801	1060	1300
22	678	1300	3320	18000	3230	8100	1420	1390	1710	801	995	1070
23	680	1040	3230	15200	4890	4950	1370	1470	1730	812	952	937
24	725	1010	4820	11400	7340	3310	1330	2500	1500	813	922	874
25	781	2370	8720	7490	7930	3250	1290	2590	1430	791	895	839
26	802	4170	8780	6390	9740	3710	1260	2010	1530	781	904	821
27	771	5620	6530	6480	12900	3540	1230	1620	1560	774	1030	809
28	743	4510	4270	5350	22000	2810	1210	1400	1410	777	976	799
29	710	3560	2830	4070	---	2400	1180	1270	1180	774	1040	801
30	688	2750	2220	2900	---	2790	1160	1180	1070	809	1040	803
31	677	---	1900	2390	---	3400	---	1120	---	927	988	---
TOTAL	22750	45694	92600	168140	135250	245540	54280	53720	41945	29003	48375	27240
MEAN	734	1523	2987	5424	4830	7921	1809	1733	1398	936	1560	908
MAX	1090	5620	8780	21300	22000	33600	3040	3300	2220	1280	3320	1540
MIN	600	661	1050	1450	1770	2360	1160	1110	915	774	831	793
CFSM	.61	1.26	2.46	4.47	3.98	6.53	1.49	1.43	1.15	.77	1.29	.75
IN.	.70	1.40	2.84	5.16	4.15	7.53	1.66	1.65	1.29	.89	1.48	.84

CAL YR 1986	TOTAL 500896	MEAN 1372	MAX 8780	MIN 600	CFSM 1.13	IN. 15.36
WTR YR 1987	TOTAL 964537	MEAN 2643	MAX 33600	MIN 600	CFSM 2.18	IN. 29.58

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.11	6.43	5.42	6.60	14.22	7.77	4.63	4.56	4.48	4.11	4.20
2	---	3.10	5.93	5.15	6.38	14.43	7.18	4.60	4.54	4.72	3.96	4.13
3	---	3.09	5.49	5.01	6.54	13.99	6.76	4.57	4.48	4.68	4.04	4.00
4	---	3.08	5.09	6.14	6.58	12.12	6.70	4.57	4.45	4.53	4.20	3.92
5	---	3.88	4.77	8.01	6.64	10.56	6.51	4.79	4.42	4.52	5.70	3.87
6	---	5.74	4.51	8.61	6.57	9.43	6.25	5.47	4.37	4.51	8.04	3.84
7	---	5.01	4.33	8.56	7.63	8.72	6.06	5.54	4.32	4.68	7.91	3.81
8	2.97	4.06	4.20	8.09	8.85	8.87	5.89	5.74	4.27	5.00	7.10	3.79
9	---	3.77	4.10	6.82	9.11	9.56	5.75	5.62	4.22	5.01	6.81	3.78
10	3.14	3.60	4.07	5.96	8.95	9.83	5.64	5.37	4.18	4.69	6.03	3.80
11	3.37	3.79	5.00	5.62	8.48	9.74	5.54	5.55	4.16	4.42	5.55	3.87
12	3.43	3.90	7.52	5.31	7.19	9.18	5.46	6.43	4.23	4.26	5.98	3.98
13	3.66	3.81	8.23	5.06	6.42	8.31	5.45	5.53	4.70	4.17	7.26	3.92
14	4.01	3.55	7.66	4.93	6.01	7.73	6.06	5.50	5.46	4.11	7.31	3.83
15	4.17	3.44	6.50	5.03	5.94	7.38	7.38	6.23	6.25	4.07	6.91	3.77
16	3.91	3.38	6.22	5.19	7.64	7.12	7.74	7.58	6.63	4.05	6.69	3.73
17	3.60	3.38	7.34	6.00	9.29	6.93	7.16	8.04	6.80	4.00	6.90	3.72
18	3.38	3.37	7.72	8.23	9.74	8.34	6.33	7.73	6.68	3.95	6.09	3.94
19	3.26	3.36	7.80	10.34	9.31	10.39	5.83	6.78	6.36	3.92	5.26	5.41
20	3.20	3.43	8.28	12.33	8.50	11.16	5.55	6.47	6.33	3.89	4.76	5.30
21	3.16	4.35	8.39	12.75	7.55	10.77	5.36	5.68	6.37	3.88	4.51	4.93
22	3.13	4.61	8.05	12.25	7.96	10.34	5.22	5.23	5.88	3.88	4.35	4.38
23	3.14	4.04	7.92	11.80	9.14	9.15	5.11	5.38	5.93	3.91	4.24	4.06
24	3.26	3.97	9.30	11.10	10.13	8.03	5.03	7.17	5.48	3.91	4.16	3.90
25	3.41	6.53	10.51	10.17	10.30	7.98	4.95	7.29	5.34	3.85	4.09	3.81
26	3.46	9.00	10.53	9.84	10.74	8.37	4.88	6.42	5.54	3.82	4.11	3.75
27	3.38	9.70	9.95	9.87	11.40	8.23	4.82	5.70	5.59	3.80	4.42	3.72
28	3.30	9.26	9.01	9.41	12.82	7.51	4.78	5.27	5.29	3.81	4.28	3.69
29	3.22	8.37	7.35	8.63	---	6.98	4.72	4.98	4.80	3.80	4.42	3.69
30	3.16	7.22	6.37	7.65	---	7.47	4.67	4.78	4.55	3.90	4.42	3.69
31	3.13	---	5.81	7.03	---	8.12	---	4.65	---	4.20	4.29	---
MAX	4.17	9.70	10.53	12.75	12.82	14.43	7.77	8.04	6.80	5.01	8.04	5.41
MIN	---	3.08	4.07	4.93	5.94	6.93	4.67	4.57	4.16	3.80	3.96	3.69

PEARL RIVER BASIN

53

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 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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 21...	1330	689	45	7.03	19.0	20	6.7	9.3	0.5	96	K24
DEC 02...	1015	1990	45	6.54	16.5	40	14	8.8	1.0	480	120
FEB 24...	1010	7370	46	6.31	12.0	70	52	10.1	2.0	K3000	4600
MAY 14...	1200	1490	40	6.61	26.0	40	13	8.7	2.0	260	620
JUN 24...	0930	1500	43	6.80	28.0	40	8.5	7.1	1.4	220	K80
AUG 20...	1045	1160	45	6.97	28.0	40	13	7.1	0.9	K36	92

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 21...	9	2.0	0.90	4.5	1.4	10	3.1	6.3	<0.1	12	38
DEC 02...	10	2.2	1.1	3.8	1.8	9	6.8	6.0	<0.1	12	44
FEB 24...	7	1.6	0.80	2.7	1.5	6	5.6	3.5	<0.1	6.3	32
MAY 14...	9	2.0	0.90	3.2	1.5	8	—	4.7	<0.1	9.8	52
JUN 24...	9	2.1	0.97	3.9	1.7	9	0.4	6.0	<0.1	8.7	34
AUG 20...	10	2.2	1.0	3.8	2.0	11	2.2	5.8	0.1	11	32

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

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

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)
OCT 21...	36	0.16	0.02	0.02	0.5	--	0.03	0.02	30	<1	27
DEC 02...	39	0.35	0.07	0.05	0.5	0.07	0.04	0.01	80	<1	33
FEB 24...	25	0.22	0.08	0.06	0.6	0.05	0.04	0.01	120	<1	22
MAY 14...	--	0.31	0.05	0.05	0.7	0.08	0.04	<0.01	70	<1	27
JUN 24...	29	0.29	0.05	0.04	0.9	0.09	0.03	0.02	--	--	--
AUG 20...	34	0.19	--	<0.01	--	--	0.05	0.02	60	<1	33

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 21...	<0.5	1	<1	<3	5	200	<5	<4	37	<0.1
DEC 02...	<0.5	<1	<1	<3	3	280	<5	<4	110	<0.1
FEB 24...	<0.5	<1	<1	<3	3	220	<5	<4	30	<0.1
MAY 14...	<0.5	<1	<1	<3	3	230	<5	<4	33	<0.1
AUG 20...	<0.5	<1	<1	<3	3	300	<5	<4	86	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDEd (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEd (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	<10	<1	<1	<1	20	<6	11	26	48	95
DEC 02...	<10	<1	<1	<1	23	<6	10	42	226	87
FEB 24...	<10	4	<1	<1	14	<6	3	90	1790	83
MAY 14...	<10	<1	<1	<1	22	<6	<3	24	97	97
JUN 24...	--	--	--	--	--	--	--	38	154	97
AUG 20...	<10	3	<1	<1	23	<6	7	21	66	93

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

02492600 PEARL RIVER AT PEARL RIVER, LA

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

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

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

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

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

REMARKS.--Gage-height records for Feb. 5 to Mar. 2 obtained from once-daily readings by the National Weather Service. Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers. Records since October 1975 represent stages for the West Pearl River only.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99,000 ft³/s Mar. 3, gage height recorded, 17.78 ft; minimum gage height, 3.04 ft Oct. 6, 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.26	3.90	14.03	12.38	14.45	---	12.10	6.20	8.13	8.13	4.47	5.94
2	3.20	3.87	14.01	11.86	14.26	17.40	11.78	6.11	7.88	8.49	4.48	5.66
3	3.26	3.78	14.12	11.44	13.98	17.60	11.39	6.06	7.27	8.67	4.38	5.45
4	3.24	3.76	14.08	11.19	13.64	17.74	11.09	6.01	6.62	8.47	4.55	5.25
5	3.22	3.91	13.97	10.89	13.18	17.49	10.86	6.05	6.19	7.88	5.03	5.11
6	3.20	4.56	13.78	10.97	12.65	17.13	10.65	7.03	5.84	7.26	7.27	4.97
7	3.20	5.98	13.61	11.51	12.34	16.93	10.34	8.91	5.68	6.79	9.30	4.83
8	3.30	6.11	13.46	11.95	12.22	16.87	10.05	9.57	5.57	6.88	9.78	4.72
9	3.40	5.48	13.31	11.87	12.70	16.81	9.86	9.23	5.49	7.06	9.57	4.57
10	3.39	5.25	13.11	11.30	13.00	16.74	9.63	9.30	5.38	6.95	9.49	4.53
11	3.61	5.55	12.85	10.56	13.20	16.66	9.39	9.55	5.31	6.55	9.19	4.52
12	4.01	6.12	12.49	9.98	13.40	16.53	9.15	9.35	5.24	6.03	9.10	4.60
13	3.97	6.41	12.25	9.65	13.40	16.35	9.01	9.35	5.25	5.57	9.35	4.58
14	4.00	6.56	12.44	9.47	13.40	16.20	9.29	8.96	5.46	5.24	9.20	4.61
15	4.19	6.09	12.83	9.40	13.20	16.09	9.30	8.96	6.15	5.00	10.00	4.61
16	4.67	5.44	13.04	9.23	13.30	15.97	9.37	8.90	6.86	4.88	12.36	4.54
17	5.17	5.23	13.00	9.22	13.30	15.84	9.63	8.88	7.09	4.82	13.96	4.63
18	5.60	5.59	12.89	9.94	13.50	15.76	9.69	9.45	7.19	4.69	14.65	4.73
19	5.60	5.91	12.88	10.98	13.70	15.66	9.32	10.09	7.62	4.63	14.25	4.64
20	5.24	6.37	12.80	12.51	13.80	15.70	8.88	10.49	8.15	4.64	13.10	5.14
21	4.78	6.43	12.79	14.50	14.00	15.82	8.58	10.71	8.54	4.73	11.47	5.41
22	4.38	6.73	12.82	15.69	14.00	15.60	8.30	10.45	8.63	4.61	9.68	5.56
23	4.16	7.19	13.07	16.11	14.00	15.32	8.04	9.77	8.69	4.48	8.25	5.38
24	4.17	7.16	13.04	16.22	14.00	15.11	7.86	9.07	9.19	4.41	7.31	5.04
25	4.19	7.41	13.07	16.25	14.20	14.88	7.68	8.92	9.33	4.42	6.67	4.78
26	4.07	8.57	13.57	16.01	14.40	---	7.46	8.99	8.99	4.42	6.25	4.65
27	4.15	10.31	14.05	15.66	14.70	---	7.21	8.59	8.68	4.52	5.95	4.50
28	4.12	12.32	14.14	15.43	15.10	---	6.93	7.96	8.58	4.56	5.90	4.38
29	4.04	13.39	14.10	15.24	---	---	6.57	7.47	8.42	4.51	5.69	4.28
30	3.88	13.89	13.71	15.00	---	---	6.32	7.49	8.09	4.46	5.75	4.25
31	3.90	---	13.07	14.68	---	12.55	---	7.92	---	4.47	5.98	---
MAX	5.60	13.89	14.14	16.25	15.10	17.74	12.10	10.71	9.33	8.67	14.65	5.94
MIN	3.20	3.76	12.25	9.22	12.22	---	6.32	6.01	5.24	4.41	4.38	4.25

PEARL RIVER BASIN

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

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

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to September 1987 (discontinued).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.26 ft Mar. 17, 1987; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.26 ft Mar. 17; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.50	10.52	10.70	10.47	10.50	10.69	10.64	10.21	10.25	10.50	---	---
2	10.54	10.52	10.60	10.47	10.77	10.61	10.58	10.21	10.24	10.48	---	---
3	10.55	10.51	10.51	10.84	10.59	10.59	10.64	10.19	---	10.42	---	---
4	10.54	10.54	10.49	10.97	10.55	10.58	10.56	10.19	---	10.39	---	---
5	10.53	10.89	10.48	10.67	10.70	10.57	10.54	10.33	---	10.37	---	---
6	10.51	10.67	10.47	10.58	10.82	10.56	10.53	10.67	---	10.36	---	---
7	10.50	10.60	10.47	10.53	10.78	10.88	10.53	10.54	---	10.50	---	---
8	10.49	10.63	10.47	10.52	10.64	10.84	10.52	10.49	---	10.49	---	---
9	10.52	10.61	10.46	10.50	10.56	10.64	10.51	10.48	---	10.43	---	---
10	10.55	10.56	10.49	10.52	10.52	10.60	10.50	11.02	---	10.40	---	---
11	10.67	11.10	10.83	10.50	10.51	10.58	10.49	11.01	---	10.38	---	---
12	10.84	10.64	10.59	10.49	10.50	10.58	10.49	10.66	---	10.36	---	---
13	11.04	10.51	10.53	10.48	10.50	10.58	10.82	10.51	10.51	10.34	---	---
14	10.79	10.49	10.50	10.78	10.50	10.57	10.73	10.60	10.74	10.31	---	---
15	10.60	10.49	11.05	10.70	11.11	10.56	10.54	11.21	10.49	10.31	---	---
16	10.56	10.48	11.02	11.22	10.87	10.56	10.50	10.65	10.45	10.29	---	---
17	10.54	11.22	10.77	11.05	10.70	10.75	10.49	10.58	10.44	10.27	---	---
18	10.53	10.67	10.66	10.96	10.61	11.78	10.48	10.52	10.57	10.25	---	---
19	10.52	10.52	10.71	10.74	10.57	10.88	10.47	10.49	10.49	10.25	---	---
20	10.51	10.80	10.60	10.63	10.71	10.76	10.46	10.40	10.44	10.24	---	---
21	10.51	10.59	10.54	11.22	10.83	10.67	10.44	10.28	10.46	10.42	---	---
22	10.50	10.50	10.92	11.10	11.64	10.60	10.43	10.24	10.46	10.46	---	---
23	10.54	10.63	11.19	10.78	10.89	10.67	10.41	10.24	10.43	10.42	---	---
24	10.79	10.71	10.75	10.71	10.94	11.23	10.38	10.23	10.40	10.39	---	---
25	10.68	11.35	10.65	11.21	10.81	10.73	10.36	10.40	10.38	10.36	---	---
26	10.58	10.76	10.57	10.76	10.97	10.62	10.32	10.55	10.38	10.40	---	---
27	10.56	10.63	10.52	10.65	10.82	10.68	10.28	10.50	10.39	10.47	---	---
28	10.54	11.00	10.50	10.58	10.87	10.60	10.24	10.46	10.37	10.42	---	---
29	10.53	11.06	10.49	10.55	---	11.16	10.22	10.37	10.35	10.36	---	---
30	10.53	10.84	10.49	10.53	---	10.94	10.21	10.31	10.39	---	---	---
31	10.52	---	10.48	10.51	---	10.73	---	10.27	---	---	---	---
MAX	11.04	11.35	11.19	11.22	11.64	11.78	10.82	11.21	10.74	10.50	---	---
MIN	10.49	10.48	10.46	10.47	10.50	10.56	10.21	10.19	---	---	---	---

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 1973-86.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1986.

REMARKS.--Records for the 1987 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
15...	1115	288000	201	156000	92
29...	1115	529000	529	756000	98
NOV					
12...	1115	606000	192	314000	96
25...	1145	761000	558	1150000	92
DEC					
09...	1145	1010000	337	919000	80
23...	1145	1040000	350	983000	65
JAN					
06...	1145	503000	321	436000	72
21...	1145	315000	227	193000	81
FEB					
06...	1145	390000	218	230000	90
19...	1145	762000	309	636000	97
MAR					
03...	1145	665000	198	356000	97
17...	1145	447000	172	208000	96
31...	1145	704000	301	572000	95
APR					
14...	1145	541000	263	385000	98
28...	1145	515000	186	258000	98
MAY					
12...	1145	418000	153	173000	98
29...	1145	636000	687	1180000	99
JUN					
03...	1100	530000	162	232000	85
09...	1145	618000	409	683000	98
17...	1100	501000	573	775000	94
23...	1145	555000	309	463000	99
JUL					
07...	1145	363000	376	369000	98
21...	1015	440000	594	706000	100
AUG					
04...	1015	313000	631	533000	99
18...	1015	235000	147	93500	98
SEP					
02...	1015	228000	291	179000	93
15...	1015	233000	251	158000	97
29...	1015	247000	196	131000	96

LOWER MISSISSIPPI RIVER BASIN

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106000	731000	1140000	606000	141000	224000	453000	122000	1800000	362000	1030000	131000
2	108000	687000	1120000	553000	145000	206000	436000	118000	1680000	374000	952000	140000
3	108000	635000	1110000	500000	145000	190000	410000	114000	1500000	379000	932000	134000
4	111000	586000	1090000	455000	142000	183000	374000	110000	1350000	372000	907000	126000
5	115000	541000	1060000	415000	140000	176000	341000	105000	1200000	373000	693000	122000
6	118000	498000	1030000	377000	135000	170000	305000	100000	1070000	370000	536000	121000
7	119000	460000	996000	350000	140000	162000	280000	93000	948000	374000	411000	119000
8	122000	423000	956000	325000	147000	154000	262000	87000	851000	391000	324000	116000
9	126000	385000	918000	203000	165000	145000	258000	81000	753000	413000	252000	111000
10	131000	355000	927000	196000	197000	135000	258000	77000	716000	446000	200000	106000
11	136000	332000	927000	306000	242000	126000	264000	73000	689000	492000	159000	102000
12	141000	314000	946000	291000	286000	117000	267000	71000	674000	548000	130000	103000
13	147000	320000	963000	277000	333000	111000	271000	84000	649000	609000	104000	110000
14	152000	337000	985000	269000	376000	104000	273000	98000	624000	657000	85000	108000
15	156000	355000	1000000	261000	416000	100000	259000	115000	608000	689000	68000	107000
16	165000	384000	1010000	254000	452000	96000	244000	137000	594000	724000	56000	101000
17	173000	421000	1020000	243000	475000	96000	229000	161000	581000	764000	46000	93000
18	182000	470000	1030000	233000	506000	104000	217000	189000	559000	818000	37000	86000
19	198000	520000	1040000	223000	529000	124000	204000	225000	531000	893000	40000	79000
20	227000	610000	1030000	216000	503000	148000	194000	271000	500000	999000	45000	78000
21	269000	678000	1020000	193000	468000	166000	180000	337000	463000	1130000	48000	76000
22	323000	764000	1020000	178000	432000	192000	170000	432000	420000	1200000	53000	74000
23	375000	873000	982000	165000	397000	220000	160000	565000	386000	1260000	56000	73000
24	450000	1010000	958000	156000	361000	252000	150000	734000	380000	1310000	60000	73000
25	507000	1140000	947000	146000	326000	285000	143000	924000	380000	1340000	65000	74000
26	541000	1160000	925000	139000	296000	314000	141000	1140000	369000	1360000	75000	73000
27	581000	1180000	877000	133000	268000	344000	136000	1410000	361000	1340000	84000	72000
28	663000	1180000	844000	129000	243000	374000	129000	1740000	357000	1280000	93000	70000
29	755000	1170000	791000	129000	---	404000	127000	2190000	352000	1230000	104000	69000
30	751000	1150000	722000	133000	---	436000	124000	2060000	347000	1180000	114000	347000
31	730000	---	662000	139000	---	464000	---	1930000	---	1100000	123000	---
TOTAL	8786000	19669000	30046000	8193000	8406000	6322000	7259000	15893000	21692000	24777000	7882000	3194000
MEAN	283000	656000	969000	264000	300000	204000	242000	513000	723000	799000	254000	106000
MAX	755000	1180000	1140000	606000	529000	464000	453000	2190000	1800000	1360000	1030000	347000
MIN	106000	314000	662000	129000	135000	96000	124000	71000	347000	362000	37000	69000
WTR YR 1986	TOTAL	162119000		MEAN	444000		MAX	2190000		MIN	37000	

RED RIVER BASIN

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07344400 RED RIVER NEAR HOSSTON, LA

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

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

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 below 5,000 ft³/s this year. 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, 17.40 ft Mar. 21; minimum gage height, 2.85 ft Aug. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.10	11.23	11.01	6.67	8.10	12.95	13.71	4.45	5.90	13.18	5.60	3.02
2	5.85	11.15	10.69	6.70	8.22	13.85	13.37	4.36	10.24	13.06	5.58	3.03
3	5.56	10.86	10.47	6.80	8.20	14.60	12.60	4.19	12.41	13.05	5.62	3.01
4	5.12	10.23	10.33	7.13	8.05	15.08	12.23	4.07	13.99	13.08	5.72	3.00
5	4.80	9.95	10.19	7.37	7.92	15.64	11.61	3.94	14.30	12.93	5.60	3.08
6	4.67	10.22	10.00	7.67	7.96	16.00	11.14	3.77	14.30	12.38	5.05	3.09
7	4.77	10.67	9.85	7.85	7.95	15.50	10.97	3.72	14.25	11.85	4.58	3.12
8	5.57	10.72	10.06	7.94	7.80	15.72	10.32	3.66	14.11	11.60	4.22	3.18
9	6.48	10.77	10.47	7.78	7.68	15.68	10.04	3.46	13.85	11.82	4.10	3.45
10	7.07	10.85	10.81	7.80	7.58	15.32	9.48	3.25	13.47	12.04	4.18	3.75
11	7.98	10.89	11.13	8.32	7.38	14.91	8.75	3.28	13.40	12.12	4.18	4.02
12	9.23	11.33	11.21	9.32	7.58	14.20	8.00	3.46	13.36	11.97	4.17	4.00
13	10.65	11.87	11.65	10.23	8.05	13.52	7.50	3.72	13.40	11.87	4.08	3.80
14	11.13	12.17	12.14	10.48	8.48	13.17	7.38	4.06	13.51	11.20	4.10	3.62
15	11.70	11.95	11.87	10.35	8.82	13.19	7.04	4.00	13.59	10.50	4.09	3.50
16	11.59	11.55	11.55	10.11	9.98	13.26	6.87	3.75	13.55	10.28	4.08	3.48
17	11.38	11.13	10.94	9.85	10.00	12.60	6.44	3.52	13.53	9.48	4.01	3.60
18	11.33	---	10.45	9.69	9.60	13.00	5.91	3.30	13.54	8.19	3.96	3.52
19	11.38	---	10.25	9.53	9.40	15.55	5.78	3.32	13.65	7.42	3.90	3.40
20	11.12	---	10.37	9.47	9.62	17.05	5.78	3.43	13.85	6.70	3.72	3.34
21	10.96	---	10.21	10.16	10.18	17.33	5.71	3.22	13.86	6.28	3.56	3.88
22	10.90	9.35	9.97	10.72	10.48	16.87	5.61	2.97	13.69	6.20	3.52	4.48
23	10.41	9.07	9.91	11.08	10.55	16.00	5.50	3.14	13.82	6.12	3.38	4.68
24	10.13	8.98	9.84	10.85	10.28	15.49	5.28	3.38	14.05	5.90	3.32	4.80
25	9.46	9.04	9.31	10.55	10.40	15.30	4.99	3.75	14.04	5.86	3.28	5.06
26	9.09	9.36	8.74	10.17	10.82	14.90	4.80	3.81	13.98	5.85	3.22	4.80
27	8.33	9.64	8.39	9.52	11.20	14.60	4.83	3.71	13.90	5.83	3.18	4.58
28	8.35	10.25	8.09	9.00	12.20	14.30	4.85	3.65	13.65	5.80	3.10	4.38
29	9.73	11.16	7.77	8.72	---	13.99	4.76	3.52	13.41	5.72	2.98	4.42
30	11.22	11.50	7.31	8.62	---	13.80	4.55	3.54	13.30	5.70	2.86	4.32
31	11.46	---	6.85	8.32	---	13.73	---	3.81	---	5.65	2.92	---
MAX	11.70	12.17	12.14	11.08	12.20	17.33	13.71	4.45	14.30	13.18	5.72	5.06
MIN	4.67	8.98	6.85	6.67	7.38	12.60	4.55	2.97	5.90	5.65	2.86	3.00

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.

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 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 22...	0800	1090	7.50	19.5	30	130	7.0	10	0.9	500
NOV 13...	1110	1150	8.08	12.5	—	—	10.9	25	2.7	2600
DEC 04...	1245	778	7.50	10.5	20	130	10.4	—	2.0	4200
JAN 13...	1230	552	7.50	7.5	30	85	11.3	40	3.1	620
FEB 03...	1630	947	7.70	14.0	60	65	10.2	52	1.3	2000
MAR 04...	1215	570	7.70	11.5	40	190	9.8	100	1.8	1400
APR 29...	0830	1140	8.20	24.0	20	20	7.7	59	3.2	900
MAY 27...	1600	874	7.90	28.0	20	50	7.9	20	2.8	780
JUN 11...	1345	1380	7.90	26.0	20	89	7.2	86	0.9	K200
JUL 30...	0845	1120	8.00	32.0	10	75	6.5	49	2.0	560
AUG 13...	1300	1040	8.00	30.0	20	22	7.7	44	2.9	K6
27...	1615	1260	7.90	—	15	16	7.8	15	3.0	K20

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 22...	K44	110	270	72	21	170	5.2	81	170	280
NOV 13...	680	560	—	—	—	—	—	86	—	—
DEC 04...	110	460	180	49	14	80	4.6	88	89	140
JAN 13...	82	320	140	39	11	54	3.5	83	58	81
FEB 03...	K12	400	150	32	17	100	4.1	100	80	150
MAR 04...	K90	480	140	39	11	50	4.0	90	68	77
APR 29...	25	56	320	82	28	120	5.2	167	140	170
MAY 27...	260	K45	250	64	22	88	4.1	156	93	110
JUN 11...	K31	160	310	77	28	160	5.7	133	190	250
JUL 30...	540	K20	270	70	24	120	5.4	125	140	160
AUG 13...	<2	K20	260	69	22	110	5.2	153	130	150
27...	K2	K30	300	80	25	140	6.5	—	160	200

< 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

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07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	813	570	0.04	0.18	1.0	1.2	0.40	0.17	9.8
NOV 13...	—	296	0.02	0.27	0.56	0.83	0.24	0.06	7.4
DEC 04...	445	247	0.05	0.32	1.0	1.3	0.24	0.16	6.0
JAN 13...	317	340	0.02	0.24	0.86	1.1	0.11	0.07	4.0
FEB 03...	563	209	0.02	0.32	0.79	1.1	0.19	0.05	5.5
MAR 04...	310	1040	0.04	0.24	1.6	1.8	0.44	0.15	5.0
APR 29...	674	97	<0.01	<0.02	0.69	—	0.14	0.02	7.0
MAY 27...	497	83	0.02	0.09	0.92	1.0	0.13	0.06	6.2
JUN 11...	843	188	0.02	0.30	0.82	1.1	0.26	0.05	5.0
JUL 30...	644	195	0.01	0.02	0.56	0.58	0.16	0.07	3.0
AUG 13...	586	62	<0.01	<0.02	0.51	—	0.10	0.04	6.5
27...	747	53	<0.01	<0.02	0.63	—	0.11	0.04	6.5

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 22...	3	<10	<1	10	21	11000	8	430
JAN 13...	3	<10	2	10	10	4500	10	170
APR 29...	1	<10	1	<10	8	1500	6	210
JUL 30...	3	<10	<1	<10	7	2000	<5	180

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 22...	<0.1	20	<1	50	<0.01	2	3
JAN 13...	0.5	5	<1	20	<0.02	10	2
APR 29...	<0.1	8	<1	10	<0.02	—	3
JUL 30...	<0.1	<1	<1	20	<0.02	1	3

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

RED RIVER BASIN

07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE 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- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	813	570	0.04	0.18	1.0	1.2	0.40	0.17	9.8
NOV 13...	—	296	0.02	0.27	0.56	0.83	0.24	0.06	7.4
DEC 04...	445	247	0.05	0.32	1.0	1.3	0.24	0.16	6.0
JAN 13...	317	340	0.02	0.24	0.86	1.1	0.11	0.07	4.0
FEB 03...	563	209	0.02	0.32	0.79	1.1	0.19	0.05	5.5
MAR 04...	310	1040	0.04	0.24	1.6	1.8	0.44	0.15	5.0
APR 29...	674	97	<0.01	<0.02	0.69	—	0.14	0.02	7.0
MAY 27...	497	83	0.02	0.09	0.92	1.0	0.13	0.06	6.2
JUN 11...	843	188	0.02	0.30	0.82	1.1	0.26	0.05	5.0
JUL 30...	644	195	0.01	0.02	0.56	0.58	0.16	0.07	3.0
AUG 13...	586	62	<0.01	<0.02	0.51	—	0.10	0.04	6.5
27...	747	53	<0.01	<0.02	0.63	—	0.11	0.04	6.5

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 22...	3	<10	<1	10	21	11000	8	430
JAN 13...	3	<10	2	10	10	4500	10	170
APR 29...	1	<10	1	<10	8	1500	6	210
JUL 30...	3	<10	<1	<10	7	2000	<5	180

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 22...	<0.1	20	<1	50	<0.01	2	3
JAN 13...	0.5	5	<1	20	<0.02	10	2
APR 29...	<0.1	8	<1	10	<0.02	—	3
JUL 30...	<0.1	<1	<1	20	<0.02	1	3

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

RED RIVER BASIN

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07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 22...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001
DEC 04...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001
FEB 03...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 29...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 30...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01
AUG 27...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 22...	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
DEC 04...	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01
FEB 03...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01
AUG 27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 22...	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01
DEC 04...	<0.01	<0.01	<0.1	<1	<0.01	--	--	--	--
FEB 03...	<0.01	<0.01	<0.01	<0.5	<0.01	0.4	0.1	0.2	<0.1
APR 29...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
JUL 30...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	--	<0.1	<0.1
AUG 27...	<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.

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: Oct. 1 (no gage height record); July 1-21, 28-30, Aug. 3-12 (indefinite stage-discharge relationship). Records good, except those for estimated daily discharges, which are fair. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft is available for storage) since August 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--45 years, 2,499 ft³/s, 1,810,000 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,900 ft³/s Feb. 28, gage height, 25.58 ft; minimum daily, 5.7 ft³/s Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	611	3600	4130	2470	10200	4590	2850	754	780	19	7.8
2	39	595	3520	3680	2980	9590	4280	2700	675	720	18	7.2
3	40	582	3130	3550	3080	9300	4270	2530	687	650	14	7.5
4	40	588	2970	4080	2960	9060	4020	2350	808	600	12	7.3
5	41	710	2830	3670	2860	8820	4060	2160	856	550	12	7.5
6	37	584	2640	3250	2980	8350	4150	1950	881	520	12	6.3
7	40	716	2510	3140	3970	7820	4090	1700	847	480	12	5.7
8	45	1220	2970	2660	3870	7400	4080	1440	827	440	13	11
9	43	1360	4850	2840	3420	6950	4060	1240	848	420	13	11
10	42	1220	6040	3030	3310	6270	3980	1030	820	450	13	9.3
11	78	1270	6610	2730	3160	5800	3700	860	743	500	13	20
12	249	1150	7090	2480	2950	5400	3700	790	720	450	13	17
13	386	996	7180	2280	2780	5060	3780	706	799	350	14	16
14	528	993	7190	2160	2590	4770	4180	598	903	300	13	16
15	568	1010	7400	2120	3760	4500	3790	538	855	250	13	16
16	570	1030	7960	2040	6160	4140	3460	589	841	225	13	20
17	559	957	7990	2070	6170	4540	3400	687	790	200	13	16
18	558	921	7810	2920	5640	5250	3410	813	856	160	12	20
19	560	834	7820	3590	5220	4850	3390	686	846	140	10	20
20	557	891	7430	3070	6120	4610	3420	560	879	100	10	16
21	530	781	6730	2930	8240	4580	3540	481	911	80	11	13
22	495	742	6180	3060	8590	4800	3470	416	886	66	10	11
23	483	1010	6330	2650	8370	5860	3310	396	860	37	9.0	11
24	896	1660	6740	2530	8210	7610	3130	532	889	42	8.8	11
25	1030	3360	6350	2750	8230	8590	3130	787	951	59	9.7	12
26	835	4770	5880	2610	8630	8810	3180	825	902	45	9.9	12
27	627	4280	5450	2690	9210	8440	3180	723	885	37	8.8	14
28	509	3940	5120	2550	10300	7660	3040	670	879	25	6.7	18
29	485	3680	4850	2730	---	7030	3010	799	840	20	7.4	24
30	585	3540	4560	2550	---	6170	3020	808	810	15	8.5	17
31	618	---	4220	2420	---	5150	---	786	---	13	8.1	---
TOTAL	12111	46001	171950	88960	146230	207380	109820	34000	25048	8724	359.9	400.6
MEAN	391	1533	5547	2870	5223	6690	3661	1097	835	281	11.6	13.4
MAX	1030	4770	7990	4130	10300	10200	4590	2850	951	780	19	24
MIN	37	582	2510	2040	2470	4140	3010	396	675	13	6.7	5.7
AC-FT	24020	91240	341100	176500	290000	411300	217800	67440	49680	17300	714	795
CAL												
YR	1986	TOTAL	848604	MEAN	2325	MAX	15200	MIN	18	AC-FT	1683000	
WTR	1987	TOTAL	850984.5	MEAN	2331	MAX	10300		5.7	AC-FT	1688000	

RED RIVER BASIN

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07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.46	14.85	14.88	11.91	24.74	17.93	12.44	7.50	12.79	4.71	4.63
2	4.82	10.26	14.49	14.13	12.93	24.12	17.25	12.16	7.83	12.63	4.70	4.63
3	4.83	10.07	13.74	13.87	13.06	23.92	17.05	11.81	10.93	12.74	4.64	4.63
4	4.83	9.55	13.46	14.88	12.86	23.73	16.57	11.44	13.42	12.83	4.10	4.63
5	4.83	9.19	13.12	14.13	12.58	23.42	16.23	11.06	14.25	12.84	3.68	4.63
6	4.81	8.73	12.74	13.39	12.84	22.84	16.10	10.60	14.34	12.44	3.56	4.62
7	4.83	9.54	12.45	13.08	14.79	22.26	15.84	10.04	13.95	11.70	3.70	4.61
8	4.85	11.05	13.14	12.30	14.47	21.89	15.61	9.41	13.85	11.19	3.97	4.66
9	4.84	11.31	16.32	12.49	13.62	21.39	15.40	8.88	13.62	11.25	4.18	4.66
10	4.84	10.79	18.46	12.84	13.39	20.52	15.10	8.31	13.13	11.75	4.36	4.65
11	5.00	10.79	19.37	12.33	13.05	19.85	14.43	7.82	12.86	11.88	4.53	4.72
12	5.91	11.03	20.08	11.98	12.67	19.11	14.23	7.58	12.97	11.67	4.65	4.70
13	7.44	11.47	20.21	12.22	12.37	18.39	14.24	7.30	13.59	11.45	4.68	4.69
14	9.53	12.01	20.41	12.53	12.08	17.80	14.81	6.95	13.73	10.85	4.68	4.69
15	10.26	11.93	20.80	12.47	14.43	17.42	14.20	6.74	13.42	9.88	4.68	4.69
16	10.30	11.51	21.52	12.18	18.86	17.05	13.58	6.92	13.14	8.94	4.67	4.72
17	10.11	10.95	21.35	11.94	18.81	17.64	13.46	7.24	13.07	8.35	4.68	4.69
18	10.07	10.31	21.00	13.27	17.83	18.13	13.46	7.66	13.20	7.82	4.67	4.72
19	10.17	9.49	20.96	14.50	16.99	18.61	13.41	7.24	13.17	6.84	4.65	4.71
20	10.10	8.83	20.42	13.39	18.53	19.78	13.46	6.82	13.49	5.89	4.65	4.69
21	9.48	8.14	19.51	13.19	21.86	20.52	13.66	6.54	13.46	5.28	4.66	4.68
22	8.81	7.83	18.70	14.03	22.36	20.65	13.56	6.33	13.35	4.94	4.65	4.66
23	8.45	8.69	19.03	13.82	21.93	20.92	13.27	6.27	13.32	4.82	4.64	4.66
24	9.58	10.54	19.63	13.55	21.66	22.41	12.95	6.72	13.63	4.84	4.64	4.66
25	9.45	13.87	18.95	13.77	21.65	23.40	12.95	7.59	13.77	4.91	4.65	4.67
26	8.38	16.42	18.15	13.19	22.34	23.54	13.03	7.75	13.61	4.85	4.65	4.67
27	7.39	15.62	17.33	12.96	23.28	22.99	13.04	7.39	13.52	4.82	4.64	4.68
28	6.81	14.92	16.70	12.44	24.81	21.93	12.77	7.20	13.32	4.69	4.62	4.71
29	7.81	14.97	16.21	12.58	---	21.00	12.71	7.64	13.05	4.24	4.63	4.74
30	9.98	14.97	15.66	12.20	---	19.86	12.73	7.68	12.92	4.39	4.64	4.70
31	10.60	---	15.03	11.89	---	18.67	---	7.61	---	4.66	4.64	---
MAX	10.60	16.42	21.52	14.88	24.81	24.74	17.93	12.44	14.34	12.84	4.71	4.74
MIN	4.81	7.83	12.45	11.89	11.91	17.05	12.71	6.27	7.50	4.24	3.56	4.61

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 1986 TO SEPTEMBER 1987

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/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 22...	0845	495	601	7.50	18.5	15	14	8.4	1.4	31	92
FEB 04...	0800	2960	166	6.90	12.0	40	18	9.9	1.6	56	260
APR 29...	0945	3010	157	7.30	24.5	30	7.2	8.0	1.5	K16	44
JUL 29...	1600	20	1250	7.60	34.0	15	15	8.4	3.0	280	130

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 22...	140	33	13	62	4.1	89	17	120	0.2	12	340
FEB 04...	32	7.3	3.3	16	2.3	15	20	26	<0.1	13	95
APR 29...	33	7.2	3.6	15	3.3	19	19	21	0.1	4.9	86
JUL 29...	300	60	35	130	4.0	157	93	230	0.3	10	708

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- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS Al)	ARSENIC DIS- SOLVED (UG/L AS As)
OCT 22...	310	0.04	0.88	0.01	0.02	0.6	0.03	0.03	<0.01	<10	<1
FEB 04...	97	<0.01	<0.10	0.04	0.02	0.6	0.10	0.04	<0.01	180	<1
APR 29...	85	<0.01	<0.10	0.01	0.02	1.1	0.05	0.03	0.01	10	<1
JUL 29...	660	<0.01	<0.10	0.03	0.03	1.1	0.05	0.02	<0.01	<10	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).

RED RIVER BASIN

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07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 22...	170	<0.5	<1	<1	<3	2	130	<5	12	1	0.1
FEB 04...	57	0.9	<1	<1	<3	1	460	7	6	6	<0.1
APR 29...	58	<0.5	<1	<1	<3	2	230	<5	6	4	<0.1
JUL 29...	340	<0.5	<1	<1	<3	6	6	<5	14	810	0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 22...	<10	<1	<1	<1	500	<6	4	65	87	81
FEB 04...	<10	<1	<1	<1	120	<6	4	32	256	92
APR 29...	<10	<1	<1	<1	110	<6	14	19	154	86
JUL 29...	<10	<1	<1	<1	1000	<6	16	18	0.97	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.

WATER-DISCHARGE RECORDS

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.--Daily discharges estimated July 6-20, Aug. 3, 4, Sept. 17, 18. Indefinite stage-discharge relationship July 6-20, Aug. 3, 4, Sept. 17, 18. Records good above 200 ft³/s and fair below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--30 years, 548 ft³/s, 12.30 in/yr, 397,000 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)
Nov. 28	1330	3,120	13.66	Feb. 23	0900	3,120	13.66
Dec. 11	0430	*9,670	*15.78	Mar. 2	0800	6,810	14.99

Minimum discharge, 1.1 ft³/s Sept. 3, 4-7, 9-11; minimum gage height, 3.89 ft Sept. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	35	2070	651	434	5370	344	18	572	36	1.4	1.2
2	5.8	24	1740	507	669	6570	278	20	471	20	1.4	1.2
3	6.4	17	1440	493	772	5400	254	21	217	10	1.5	1.2
4	7.0	30	1160	671	993	3840	239	21	86	8.3	2.0	1.1
5	8.5	131	862	832	1230	2910	238	22	49	14	2.9	1.1
6	12	77	564	1050	1470	2250	245	27	39	15	4.9	1.1
7	15	189	407	1270	1750	1810	247	25	34	13	4.9	1.1
8	19	542	513	1390	1690	1450	234	33	29	8.5	5.2	1.2
9	21	696	1800	1360	1560	1130	216	32	34	5.9	4.8	1.1
10	17	673	6450	1260	1420	839	198	48	37	5.0	4.2	1.1
11	15	824	9380	1140	1220	604	179	104	28	4.9	3.8	1.1
12	54	997	7630	991	994	490	161	158	21	8.0	3.5	1.3
13	71	1070	5270	853	766	427	149	169	32	8.6	3.2	1.5
14	33	1070	3700	727	585	383	154	102	40	7.0	3.3	1.6
15	27	1050	2940	619	732	346	145	57	77	5.0	3.3	1.7
16	31	986	2520	543	1140	315	140	39	272	3.8	3.1	1.9
17	25	830	2260	490	1330	311	145	29	390	3.0	2.9	1.9
18	19	597	2190	577	1750	360	142	24	465	3.2	2.7	2.0
19	14	411	2190	790	2060	413	132	23	491	2.4	2.4	2.2
20	11	282	2090	1040	2300	497	124	20	453	1.9	2.2	2.1
21	8.7	212	1910	1340	2650	560	106	19	276	1.7	2.0	1.7
22	9.1	200	1700	1610	2920	593	86	28	179	1.4	1.9	1.6
23	38	379	1590	1610	3080	609	70	74	124	1.4	1.9	1.6
24	471	682	1510	1370	2830	630	56	67	154	1.5	1.8	1.6
25	376	1260	1360	1130	2450	607	47	80	77	1.6	1.7	1.6
26	307	2000	1280	869	2290	592	41	112	37	1.6	1.6	1.6
27	285	2700	1260	629	2380	595	37	196	47	1.5	1.5	1.6
28	251	3080	1210	515	3460	589	27	292	58	1.6	1.4	1.5
29	204	2890	1120	482	---	560	19	380	36	2.1	1.2	1.5
30	135	2480	992	466	---	512	16	453	26	1.8	1.2	1.5
31	69	---	837	442	---	434	---	523	---	1.5	1.2	---
TOTAL	2570.9	26414	71945	27717	46925	41996	4469	3216	4851	201.2	81.0	44.5
MEAN	82.9	880	2321	894	1676	1355	149	104	162	6.49	2.61	1.48
MAX	471	3080	9380	1610	3460	6570	344	523	572	36	5.2	2.2
MIN	5.4	17	407	442	434	311	16	18	21	1.4	1.2	1.1
CFSM	.14	1.45	3.84	1.48	2.77	2.24	.25	.17	.27	.01	.00	.00
IN.	.16	1.62	4.42	1.70	2.89	2.58	.27	.20	.30	.01	.00	.00
AC-FT	5100	52390	142700	54980	93080	83300	8860	6380	9620	399	161	88

CAL YR 1986	TOTAL 205861.9	MEAN 564	MAX 9380	MIN 5.0	CFSM .93	IN. 12.66	AC-FT 408300
WTR YR 1987	TOTAL 230430.6	MEAN 631	MAX 9380	MIN 1.1	CFSM 1.04	IN. 14.17	AC-FT 457100

RED RIVER BASIN

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07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.23	5.00	12.88	10.27	9.19	14.58	8.56	4.58	9.98	5.22	4.01	3.96
2	4.25	4.73	12.54	9.62	10.33	14.93	8.04	4.63	9.40	4.90	4.00	3.96
3	4.26	4.57	12.18	9.53	10.67	14.59	7.83	4.64	7.44	4.63	4.06	3.94
4	4.27	4.82	11.70	10.34	11.28	14.06	7.69	4.65	5.98	4.57	4.14	3.93
5	4.32	6.51	10.93	10.85	11.86	13.52	7.68	4.69	5.48	4.77	4.22	3.92
6	4.45	5.74	9.90	11.43	12.22	13.04	7.75	4.80	5.31	4.91	4.39	3.90
7	4.51	6.94	9.01	11.93	12.55	12.61	7.76	4.77	5.19	5.05	4.39	3.92
8	4.61	9.80	9.59	12.13	12.49	12.19	7.65	4.95	5.10	4.90	4.41	3.94
9	4.65	10.43	12.28	12.09	12.33	11.63	7.48	4.93	5.20	4.71	4.39	3.92
10	4.56	10.35	14.86	11.92	12.16	10.86	7.30	5.25	5.26	4.56	4.34	3.91
11	4.48	10.82	15.70	11.64	11.83	10.09	7.10	6.13	5.08	4.61	4.31	3.92
12	5.25	11.30	15.22	11.28	11.29	9.53	6.89	6.85	4.91	5.11	4.28	3.97
13	5.64	11.48	14.55	10.91	10.65	9.14	6.75	6.99	5.15	5.17	4.26	4.02
14	4.95	11.47	13.99	10.53	10.02	8.84	6.81	6.11	5.30	4.93	4.27	4.04
15	4.81	11.43	13.54	10.16	10.46	8.58	6.70	5.43	5.76	4.79	4.27	4.06
16	4.92	11.27	13.25	9.83	11.64	8.34	6.64	5.09	7.97	4.64	4.25	4.10
17	4.76	10.84	13.05	9.53	12.01	8.31	6.70	4.85	8.89	4.53	4.23	4.11
18	4.60	10.05	12.99	9.95	12.55	8.68	6.66	4.74	9.37	4.42	4.20	4.19
19	4.47	9.03	12.99	10.72	12.87	9.05	6.52	4.71	9.53	4.27	4.16	4.50
20	4.37	8.06	12.90	11.42	13.08	9.56	6.42	4.63	9.29	4.17	4.14	4.50
21	4.27	7.44	12.72	12.03	13.35	9.92	6.15	4.61	8.00	4.05	4.11	4.45
22	4.29	7.31	12.49	12.39	13.53	10.07	5.87	4.81	7.09	4.00	4.10	4.43
23	4.90	8.77	12.38	12.39	13.64	10.13	5.64	5.70	6.46	4.00	4.09	4.43
24	9.35	10.36	12.27	12.08	13.47	10.20	5.41	5.59	6.82	4.03	4.08	4.43
25	8.78	11.75	12.09	11.62	13.20	10.12	5.25	5.79	5.85	4.04	4.06	4.43
26	8.28	12.81	11.95	10.95	13.07	10.06	5.13	6.23	5.26	4.04	4.05	4.42
27	8.10	13.38	11.91	10.19	13.14	10.08	5.05	7.27	5.43	4.03	4.02	4.42
28	7.80	13.63	11.82	9.67	13.85	10.05	4.81	8.15	5.61	4.04	3.99	4.41
29	7.35	13.51	11.60	9.48	---	9.92	4.61	8.83	5.23	4.12	3.97	4.41
30	6.56	13.22	11.29	9.38	---	9.65	4.53	9.30	5.02	4.08	3.96	4.41
31	5.61	---	10.86	9.23	---	9.18	---	9.71	---	4.03	3.96	---
MAX	9.35	13.63	15.70	12.39	13.85	14.93	8.56	9.71	9.98	5.22	4.41	4.50
MIN	4.23	4.57	9.01	9.23	9.19	8.31	4.53	4.58	4.91	4.00	3.96	3.90

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- October 1957 to 1958, October 1961 to September 1962, October 1967 to September 1972, October 1984 to current water year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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)
OCT 22...	1230	288	6.90	18.0	50	7.2	6.3	2.4	80
DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	
OCT 22...	130	36	9.6	2.8	40	3.8	45	19	
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	
OCT 22...	44	0.1	9.3	189	160	0.21	1.0	0.29	

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, 8,220 ft³/s Mar. 3, gage height, 17.18 ft; minimum gage height, 6.25 ft Sept. 29, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.20	7.73	14.77	10.80	8.76	15.92	8.41	7.24	7.47	7.39	6.97	6.57
2	7.19	7.61	14.24	10.32	8.92	16.63	8.32	7.25	7.56	7.35	6.97	6.55
3	7.18	7.51	13.73	9.93	9.46	17.11	8.20	7.25	7.65	7.34	6.93	6.53
4	7.16	7.46	13.23	10.25	9.87	17.16	8.02	7.23	7.70	7.32	6.93	6.52
5	7.16	8.01	12.71	10.25	10.08	16.82	7.89	7.23	7.64	7.32	6.91	6.50
6	7.14	7.96	12.14	10.32	10.35	16.17	7.82	7.23	7.47	7.29	6.89	6.48
7	7.15	8.28	11.54	10.54	11.21	15.36	7.76	7.28	7.38	7.28	6.91	6.48
8	7.15	10.28	11.03	10.74	11.85	14.59	7.72	7.25	7.34	7.25	6.88	6.50
9	7.17	11.05	10.75	10.90	12.23	13.87	7.70	7.24	7.31	7.25	6.88	6.45
10	7.18	11.37	11.07	11.05	12.42	13.17	7.68	7.23	7.30	7.30	6.86	6.43
11	7.17	11.65	11.25	11.06	12.49	12.48	7.65	7.24	7.28	7.28	6.84	6.42
12	7.31	11.90	11.71	11.00	12.44	11.75	7.67	7.24	7.30	7.28	6.83	6.45
13	7.44	11.96	13.06	10.88	12.22	10.88	7.62	7.23	7.85	7.26	6.88	6.46
14	7.42	11.74	16.08	10.70	11.84	9.93	7.64	7.23	7.84	7.20	6.83	6.43
15	7.38	11.37	16.73	10.45	11.46	9.16	7.59	7.25	7.79	7.19	6.82	6.40
16	7.36	10.91	16.54	10.11	11.81	8.67	7.53	7.28	7.67	7.18	6.80	6.39
17	7.34	10.43	15.99	9.72	12.15	8.46	7.50	7.30	7.57	7.18	6.79	6.42
18	7.31	9.98	15.37	9.63	12.46	8.45	7.49	7.32	7.57	7.16	6.77	6.41
19	7.29	9.59	14.86	9.88	12.68	8.34	7.47	7.32	7.60	7.14	6.74	6.40
20	7.27	9.30	14.42	10.04	13.02	8.34	7.45	7.28	7.63	7.13	6.72	6.42
21	7.26	9.00	13.98	10.17	13.85	8.39	7.43	7.27	7.70	7.10	6.71	6.41
22	7.25	8.63	13.58	10.32	14.30	8.40	7.41	7.26	7.74	7.09	6.70	6.36
23	7.30	8.48	13.30	10.49	14.54	8.42	7.39	7.29	7.69	7.08	6.68	6.36
24	8.36	11.09	13.24	10.65	14.73	8.61	7.35	7.32	7.64	7.08	6.66	6.36
25	8.60	12.37	13.16	10.73	14.93	8.73	7.34	7.34	7.54	7.06	6.64	6.35
26	8.91	13.41	12.97	10.75	14.99	8.85	7.32	7.34	7.49	7.07	6.61	6.33
27	9.26	15.45	12.71	10.69	15.13	8.92	7.31	7.33	7.43	7.05	6.62	6.32
28	9.41	16.15	12.41	10.50	15.51	8.90	7.27	7.33	7.38	7.03	6.63	6.30
29	8.93	15.86	12.07	10.17	---	8.78	7.27	7.31	7.33	6.99	6.59	6.32
30	8.24	15.32	11.69	9.67	---	8.62	7.26	7.35	7.35	6.99	6.60	6.30
31	7.90	---	11.27	9.14	---	8.52	---	7.39	---	6.98	6.57	---
MAX	9.41	16.15	16.73	11.06	15.51	17.16	8.41	7.39	7.85	7.39	6.97	6.57
MIN	7.14	7.46	10.75	9.14	8.76	8.34	7.26	7.23	7.28	6.98	6.57	6.30

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, Office of Public Works).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.98 ft Nov. 25; minimum, 10.07 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.98	11.40	12.42	11.84	11.59	12.95	11.42	11.03	11.09	11.13	10.74	10.38
2	10.98	11.35	12.32	11.78	11.77	12.90	11.42	11.00	11.11	11.12	10.74	10.35
3	10.95	11.30	12.25	11.74	11.75	12.84	11.41	11.00	11.13	11.10	10.72	10.33
4	10.95	11.22	12.17	11.92	11.74	12.81	11.39	11.03	11.18	11.05	10.69	10.31
5	11.02	11.54	12.10	11.90	11.74	12.77	11.35	11.02	11.17	11.06	10.67	10.30
6	11.04	11.54	12.02	11.84	11.75	12.70	11.33	11.01	11.15	11.05	10.67	10.28
7	10.99	11.62	11.95	11.81	11.92	12.61	11.30	11.04	11.13	11.04	10.68	10.26
8	10.98	11.95	11.92	11.80	11.98	12.49	11.29	11.05	11.10	11.03	10.65	10.25
9	11.01	12.42	11.97	11.76	12.03	12.36	11.27	11.05	11.08	11.02	10.64	10.24
10	11.00	12.37	12.08	11.79	12.02	12.26	11.24	11.03	11.06	11.08	10.64	10.22
11	10.99	12.24	12.03	11.80	12.03	12.14	11.24	11.02	11.05	11.06	10.64	10.23
12	11.17	12.09	11.98	11.79	12.02	12.03	11.23	11.00	11.07	11.04	10.64	10.24
13	11.26	12.06	11.96	11.79	12.00	11.94	11.23	10.99	11.32	11.03	10.63	10.22
14	11.21	11.93	12.04	11.78	11.96	11.83	11.20	11.00	11.59	11.03	10.61	10.22
15	11.20	11.88	12.34	11.76	12.02	11.74	11.20	11.01	11.56	11.00	10.59	10.20
16	11.15	11.84	12.66	11.74	12.17	11.66	11.22	11.04	11.42	10.98	10.57	10.22
17	11.13	11.81	12.69	11.70	12.15	11.56	11.19	11.05	11.31	10.95	10.54	10.19
18	11.11	11.76	12.67	11.76	12.14	11.57	11.18	11.04	11.28	10.95	10.54	10.18
19	11.11	11.71	12.56	11.78	12.13	11.55	11.18	11.04	11.23	10.94	10.52	10.24
20	11.09	11.66	12.45	11.80	12.17	11.50	11.16	11.04	11.21	10.92	10.52	10.21
21	11.07	11.60	12.36	11.76	12.53	11.47	11.14	11.03	11.19	10.91	10.49	10.20
22	11.05	11.60	12.28	11.74	12.56	11.45	11.14	11.02	11.19	10.88	10.47	10.20
23	11.10	11.88	12.31	11.71	12.50	11.42	11.12	11.08	11.20	10.87	10.46	10.16
24	11.64	12.49	12.29	11.73	12.47	11.48	11.13	11.07	11.27	10.86	10.45	10.14
25	11.69	12.92	12.26	11.76	12.49	11.51	11.12	11.09	11.24	10.86	10.42	10.13
26	11.67	12.93	12.20	11.76	12.52	11.52	11.09	11.09	11.25	10.85	10.40	10.11
27	11.64	12.78	12.14	11.73	12.62	11.50	11.07	11.08	11.19	10.82	10.37	10.11
28	11.62	12.68	12.07	11.75	12.87	11.49	11.08	11.07	11.15	10.81	10.43	10.10
29	11.59	12.61	12.00	11.70	---	11.50	11.05	11.07	11.12	10.80	10.43	10.12
30	11.55	12.52	11.95	11.72	---	11.46	11.03	11.06	11.10	10.78	10.39	10.10
31	11.47	---	11.92	11.66	---	11.43	---	11.07	---	10.76	10.39	---
MAX	11.69	12.93	12.69	11.92	12.87	12.95	11.42	11.09	11.59	11.13	10.74	10.38
MIN	10.95	11.22	11.92	11.66	11.59	11.42	11.03	10.99	11.05	10.76	10.37	10.10

RED RIVER BASIN

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07349374 FLAT RIVER NEAR CURTIS, LA

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

DRAINAGE AREA.--Indeterminate (see REMARKS).

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

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

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

REMARKS.--Estimated daily discharges: Dec. 17 to Jan. 12, Jan. 25 to Mar. 3, Apr. 4-11, Apr. 27 to May 15, June 4 to July 17, July 19 to Sept. 17, Sept. 19-21, 23-28, 30. Indefinite state-discharge relationship Apr. 4-11, Apr. 27 to May 15, July 16 to Sept. 17, Sept. 19-21, Sept. 23-28, 30. Records above 100 ft³/s fair, poor below. Channel dredged August 1982. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminate. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--7 years (water years 1981-87), 79.1 ft³/s, 57,310 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,270 ft³/s Nov. 25, gage height, 22.37 ft; minimum daily discharge, 7.9 ft³/s July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	50	178	46	35	200	47	13	19	10	9.6	8.7
2	16	43	144	47	150	190	40	13	19	10	10	10
3	15	38	123	68	100	180	41	12	17	10	9.8	9.8
4	16	145	107	150	90	171	38	15	21	9.0	9.7	9.8
5	61	379	94	120	80	170	34	14	25	9.0	9.6	9.6
6	72	184	81	95	70	166	31	13	20	8.5	9.6	9.5
7	53	422	76	75	400	164	28	16	18	8.0	9.5	9.4
8	52	546	159	65	350	162	27	17	17	9.0	9.4	9.4
9	69	360	342	55	300	160	30	16	16	10	9.2	9.3
10	47	226	319	110	200	152	28	15	15	11	9.0	9.2
11	33	197	233	100	100	139	26	14	14	10	8.8	20
12	118	173	181	95	80	120	24	13	17	9.0	10	25
13	184	135	146	85	70	98	29	12	30	9.0	20	20
14	117	106	125	82	60	74	32	11	28	8.8	25	15
15	73	87	256	77	150	51	27	10	25	8.6	15	12
16	48	73	400	68	300	41	24	26	21	8.5	12	10
17	36	63	300	65	200	45	23	61	19	8.5	10	8.0
18	27	55	200	178	110	49	22	27	18	8.4	9.9	17
19	21	51	250	218	90	43	20	18	17	8.3	9.8	20
20	17	49	200	145	250	65	19	16	17	8.2	9.7	23
21	15	45	110	102	900	104	18	14	16	8.1	9.6	20
22	13	58	70	78	700	129	17	14	15	8.0	9.5	17
23	81	331	200	68	500	153	18	13	14	7.9	9.5	14
24	815	1150	500	61	300	165	18	39	13	10	9.4	12
25	568	1650	400	58	250	136	16	75	13	12	9.3	11
26	292	1260	250	50	350	119	16	43	12	10	9.2	10
27	193	668	150	45	400	107	15	28	12	9.8	9.2	9.8
28	135	398	90	42	300	93	15	23	11	9.7	9.0	9.6
29	100	274	55	40	---	75	14	20	11	9.6	9.0	10
30	77	215	46	38	---	64	14	19	11	9.5	8.8	15
31	61	---	45	37	---	55	---	18	---	9.4	8.7	---
TOTAL	3443	9431	5830	2563	6885	3640	751	658	521	285.8	326.8	393.1
MEAN	111	314	188	82.7	246	117	25.0	21.2	17.4	9.22	10.5	13.1
MAX	815	1650	500	218	900	200	47	75	30	12	25	25
MIN	13	38	45	37	35	41	14	10	11	7.9	8.7	8.0
AC-FT	6830	18710	11560	5080	13660	7220	1490	1310	1030	567	648	780

CAL YR 1986	TOTAL 49170.4	MEAN 135	MAX 2490	MIN 9.2	AC-FT 97530
WTR YR 1987	TOTAL 34727.7	MEAN 95.1	MAX 1650	MIN 7.9	AC-FT 68880

RED RIVER BASIN

07349374 FLAT RIVER NEAR CURTIS, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.99	9.49	11.36	---	---	---	10.55	9.04	9.29	---	10.81	10.07
2	8.95	9.35	10.88	---	---	---	10.33	9.08	9.30	---	11.05	10.12
3	8.93	9.25	10.58	---	---	---	10.25	9.15	9.27	---	10.95	10.11
4	8.94	10.68	10.34	---	---	15.28	10.02	9.20	---	---	10.77	10.08
5	9.74	13.80	10.13	---	---	15.09	9.78	9.18	---	---	10.64	10.05
6	9.95	11.44	9.96	---	---	14.93	9.59	9.17	---	---	10.60	10.02
7	9.66	13.80	9.89	---	---	14.75	9.45	9.22	---	---	10.62	10.00
8	9.63	15.38	11.09	---	---	14.57	9.40	9.36	---	---	10.59	9.96
9	9.92	13.67	13.41	---	---	14.39	9.43	9.33	---	---	10.58	9.92
10	9.55	12.00	13.19	---	---	14.14	9.29	9.28	---	---	10.55	9.91
11	9.28	11.62	12.09	---	---	13.81	9.20	9.29	---	---	10.49	10.20
12	10.55	11.29	11.39	---	---	13.44	9.20	9.29	---	---	10.57	10.32
13	11.49	10.75	10.90	10.87	---	12.99	9.21	9.25	---	---	10.98	10.19
14	10.58	10.33	10.62	10.83	---	12.56	9.19	9.25	---	---	11.04	9.80
15	9.96	10.03	12.32	10.76	---	12.10	9.10	9.21	---	---	10.77	9.75
16	9.57	9.85	14.19	10.63	---	11.82	9.06	9.31	---	---	10.58	9.67
17	9.33	9.70	---	10.58	---	11.81	9.04	9.96	---	10.70	10.45	9.67
18	9.17	9.57	---	12.04	---	11.79	9.02	9.35	---	10.72	10.38	9.71
19	9.07	9.50	---	12.55	---	11.59	9.01	9.17	---	10.73	10.34	10.10
20	8.98	9.46	---	11.67	---	11.89	8.99	9.12	---	10.73	10.32	10.25
21	8.91	9.39	---	11.11	---	12.40	8.98	9.09	---	10.74	10.30	9.83
22	8.86	9.60	---	10.76	---	12.71	8.95	9.09	---	10.75	10.28	9.64
23	9.91	13.15	---	10.62	---	12.97	8.98	9.09	---	10.78	10.28	9.49
24	17.07	18.66	---	10.51	---	13.06	8.99	9.62	---	10.80	10.28	9.36
25	15.56	20.39	---	---	---	12.55	8.95	10.25	---	10.81	10.26	9.28
26	12.84	19.17	---	---	---	12.20	8.96	9.71	---	10.80	10.24	9.22
27	11.56	16.27	---	---	---	11.92	8.98	9.43	---	10.79	10.22	9.17
28	10.75	14.08	---	---	---	11.62	8.99	9.33	---	10.79	10.16	9.16
29	10.23	12.63	---	---	---	11.27	9.00	9.29	---	10.84	10.16	9.30
30	9.90	11.86	---	---	---	11.01	9.02	9.27	---	10.88	10.13	9.63
31	9.67	---	---	---	---	10.78	---	9.27	---	10.78	10.06	---
MAX	17.07	20.39	---	12.55	---	---	10.55	10.25	---	---	11.05	10.32
MIN	8.86	9.25	---	---	---	10.78	8.95	9.04	---	---	10.06	9.16

07349500 BODCAU BAYOU NEAR SAREPTA, LA

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

DRAINAGE AREA.--546 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

REMARKS.--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.

AVERAGE DISCHARGE.--49 years, 561 ft³/s, 406,400 acre-ft/yr.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 11	1700	*3,890	16.95	Dec. 16	2400	3,250	16.50
Dec. 12	0130	(a)	*17.57	Mar. 2	0830	3,200	16.45

^a Variable slope caused by changing discharge.

Minimum discharge, 4.1 ft³/s Oct. 1; minimum gage height, 1.99 ft Sept. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	186	797	917	483	3060	452	100	103	106	16	8.9
2	4.5	179	493	828	639	3190	418	97	103	103	15	8.4
3	4.7	236	250	815	725	3070	387	95	101	103	15	8.1
4	4.9	306	139	857	805	2830	364	93	100	102	14	8.4
5	5.3	345	96	880	863	2620	334	92	99	99	16	10
6	6.2	315	72	926	939	2510	235	91	96	95	24	5.4
7	6.9	394	64	927	1130	2390	170	122	113	92	18	5.6
8	76	614	208	884	1200	2200	156	129	90	89	14	6.5
9	171	764	630	840	1240	2020	154	107	88	87	13	6.6
10	189	764	2540	814	1210	1800	166	104	87	86	11	6.7
11	185	736	3880	796	1130	1560	157	101	86	85	10	6.9
12	218	687	3630	808	1020	1310	151	95	85	82	10	9.0
13	228	648	3340	806	901	1120	146	96	91	79	10	10
14	207	608	3040	782	804	948	143	100	101	77	11	10
15	183	542	3060	744	903	793	142	99	95	75	9.3	10
16	168	467	3200	703	1100	663	140	102	99	74	7.9	10
17	158	411	3230	670	1260	582	138	109	108	76	7.6	9.5
18	151	382	3150	737	1400	558	134	100	120	68	7.2	9.5
19	143	377	2980	810	1430	567	132	93	133	65	6.5	10
20	137	378	2700	903	1540	575	130	88	140	63	6.3	10
21	137	385	2370	1000	1830	551	127	84	151	61	6.1	9.2
22	176	424	2080	1040	2250	512	127	81	135	58	6.7	9.1
23	235	572	1940	995	2590	490	131	80	124	37	6.5	8.6
24	626	798	1870	923	2630	493	127	86	124	17	5.6	7.6
25	625	1090	1810	845	2480	517	120	90	122	13	5.1	6.9
26	526	1360	1740	769	2340	559	116	93	118	12	4.9	6.8
27	382	1670	1610	708	2360	575	115	94	114	10	6.7	6.6
28	277	1650	1440	649	2760	556	110	102	110	9.6	9.0	6.4
29	230	1360	1270	589	---	518	106	105	105	9.9	9.1	5.9
30	207	1080	1140	528	---	485	103	102	106	14	8.6	5.5
31	193	---	1020	482	---	470	---	102	---	16	8.8	---
TOTAL	5864.9	19728	55789	24975	39962	40092	5431	3032	3227	1963.5	318.9	242.1
MEAN	189	658	1800	806	1427	1293	181	97.8	108	63.3	10.3	8.07
MAX	626	1670	3880	1040	2760	3190	452	129	151	106	24	10
MIN	4.4	179	64	482	483	470	103	80	85	9.6	4.9	5.4
AC-FT	11630	39130	110700	49540	79260	79520	10770	6010	6400	3890	633	480

CAL YR 1986	TOTAL 212045.1	MEAN 581	MAX 3880	MIN 4.4	AC-FT 420600
WTR YR 1987	TOTAL 200625.4	MEAN 550	MAX 3880	MIN 4.4	AC-FT 397900

RED RIVER BASIN

07349500 BODCAU BAYOU NEAR SAREPTA, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	5.55	10.18	10.92	8.09	16.27	7.86	4.27	4.32	4.36	2.52	2.23
2	2.12	5.48	8.14	10.39	9.17	16.43	7.61	4.23	4.32	4.32	2.49	2.21
3	2.14	6.06	6.18	10.31	9.74	16.28	7.37	4.19	4.29	4.31	2.48	2.19
4	2.16	6.71	5.00	10.57	10.25	15.97	7.19	4.16	4.28	4.30	2.47	2.20
5	2.18	7.04	4.39	10.71	10.61	15.72	6.94	4.15	4.25	4.26	2.52	2.28
6	2.24	6.79	4.02	10.98	11.04	15.57	5.99	4.13	4.21	4.20	2.79	2.05
7	2.28	7.39	3.87	10.99	12.05	15.41	5.26	4.60	4.16	4.15	2.60	2.07
8	3.97	9.00	5.74	10.73	12.40	15.13	5.08	4.71	4.12	4.10	2.46	2.12
9	5.39	9.99	9.06	10.47	12.55	14.73	5.05	4.38	4.09	4.07	2.39	2.12
10	5.59	9.99	14.48	10.30	12.44	14.21	5.20	4.33	4.07	4.05	2.32	2.12
11	5.55	9.81	16.76	10.20	12.05	13.59	5.09	4.28	4.05	4.03	2.30	2.13
12	5.88	9.49	17.00	10.27	11.46	12.85	5.01	4.20	4.04	3.98	2.29	2.23
13	5.98	9.23	16.61	10.26	10.83	12.00	4.94	4.21	4.12	3.94	2.29	2.30
14	5.77	8.96	16.25	10.10	10.25	11.09	4.91	4.28	4.29	3.90	2.31	2.30
15	5.52	8.51	16.28	9.86	10.81	10.17	4.89	4.26	4.20	3.87	2.25	2.29
16	5.35	7.97	16.45	9.59	11.91	9.33	4.86	4.30	4.25	3.85	2.18	2.28
17	5.25	7.55	16.48	9.37	12.65	8.79	4.83	4.41	4.39	3.89	2.17	2.26
18	5.15	7.33	16.38	9.81	13.16	8.62	4.79	4.27	4.57	3.75	2.15	2.26
19	5.07	7.30	16.16	10.28	13.25	8.69	4.75	4.16	4.77	3.70	2.11	2.29
20	4.98	7.30	15.82	10.84	13.54	8.75	4.72	4.08	4.86	3.65	2.10	2.30
21	4.98	7.35	15.38	11.37	14.30	8.58	4.68	4.02	5.02	3.62	2.09	2.25
22	5.44	7.65	14.87	11.55	15.19	8.30	4.67	3.98	4.79	3.56	2.13	2.24
23	6.04	8.71	14.54	11.35	15.68	8.14	4.74	3.96	4.64	3.11	2.11	2.21
24	9.07	10.20	14.38	10.96	15.73	8.16	4.67	4.04	4.63	2.55	2.06	2.17
25	9.08	11.79	14.24	10.50	15.53	8.34	4.58	4.12	4.60	2.43	2.03	2.14
26	8.40	13.02	14.06	10.02	15.35	8.63	4.51	4.17	4.55	2.35	2.02	2.13
27	7.33	13.90	13.74	9.62	15.38	8.75	4.50	4.18	4.49	2.30	2.12	2.12
28	6.45	13.83	13.28	9.24	15.89	8.62	4.43	4.31	4.43	2.26	2.23	2.11
29	6.00	13.00	12.71	8.84	---	6.35	4.37	4.35	4.35	2.28	2.24	2.08
30	5.77	11.79	12.10	8.42	---	8.11	4.32	4.30	4.36	2.44	2.22	2.06
31	5.63	---	11.50	8.08	---	8.00	---	4.30	---	2.52	2.22	---
MAX	9.08	13.90	17.00	11.55	15.89	16.43	7.86	4.71	5.02	4.36	2.79	2.30
MIN	2.12	5.48	3.87	8.08	8.09	8.00	4.32	3.96	4.04	2.26	2.02	2.05

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, Office of Public Works).

REMARKS.--Reservoir is formed by a 6,000-ft earthen 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; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.75 ft Nov. 27; minimum, 8.05 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.26	9.64	10.27	9.89	9.76	10.54	9.71	9.44	9.41	9.43	8.93	8.39
2	9.25	9.62	10.14	9.85	9.88	10.51	9.69	9.43	9.40	9.42	8.91	8.36
3	9.23	9.60	10.04	9.86	9.98	10.44	9.70	9.41	9.39	9.39	8.90	8.34
4	9.22	9.57	9.96	9.97	10.05	10.33	9.70	9.42	9.39	9.39	8.88	8.33
5	9.25	9.71	9.90	10.03	10.06	10.22	9.70	9.41	9.37	9.36	8.85	8.30
6	9.26	9.69	9.86	10.07	10.04	10.13	9.70	9.41	9.32	9.35	8.83	8.28
7	9.26	9.76	9.82	10.09	10.17	10.05	9.69	9.43	9.29	9.33	8.81	8.27
8	9.27	9.93	9.93	10.06	10.23	9.99	9.67	9.42	9.27	9.32	8.79	8.25
9	9.28	10.04	10.11	9.99	10.24	9.94	9.67	9.40	9.26	9.30	8.76	8.24
10	9.27	10.06	10.28	10.00	10.22	9.90	9.66	9.38	9.25	9.31	8.74	8.22
11	9.26	10.08	10.35	9.98	10.16	9.87	9.65	9.37	9.23	9.29	8.73	8.22
12	9.33	10.05	10.39	9.97	10.07	9.84	9.64	9.35	9.26	9.28	8.71	8.22
13	9.38	10.00	10.34	9.95	10.01	9.82	9.64	9.34	9.39	9.27	8.71	8.21
14	9.35	9.96	10.24	9.92	9.95	9.79	9.63	9.33	9.58	9.26	8.69	8.20
15	9.37	9.91	10.21	9.89	10.05	9.77	9.61	9.32	9.58	9.22	8.67	8.18
16	9.36	9.88	10.27	9.86	10.31	9.76	9.62	9.31	9.57	9.19	8.64	8.20
17	9.35	9.83	10.26	9.84	10.44	9.76	9.62	9.37	9.55	9.19	8.62	8.18
18	9.35	9.80	10.28	9.90	10.51	9.85	9.61	9.37	9.58	9.16	8.60	8.17
19	9.34	9.76	10.28	9.97	10.45	9.91	9.61	9.37	9.55	9.15	8.58	8.23
20	9.33	9.75	10.24	10.02	10.44	9.95	9.60	9.36	9.58	9.13	8.56	8.21
21	9.32	9.71	10.19	10.05	10.54	9.92	9.60	9.34	9.55	9.11	8.56	8.19
22	9.31	9.69	10.15	10.02	10.56	9.88	9.58	9.33	9.53	9.09	8.54	8.18
23	9.39	9.80	10.21	9.95	10.56	9.81	9.56	9.32	9.52	9.08	8.52	8.15
24	9.81	10.09	10.22	9.91	10.53	9.88	9.54	9.38	9.53	9.06	8.50	8.13
25	9.81	10.44	10.21	9.89	10.43	9.90	9.55	9.44	9.52	9.05	8.47	8.11
26	9.84	10.66	10.20	9.86	10.40	9.92	9.51	9.44	9.52	9.03	8.43	8.10
27	9.83	10.74	10.17	9.82	10.40	9.88	9.50	9.44	9.49	9.02	8.41	8.09
28	9.78	10.69	10.11	9.82	10.60	9.84	9.50	9.45	9.45	9.00	8.41	8.07
29	9.74	10.56	10.04	9.81	---	9.80	9.47	9.42	9.42	8.98	8.38	8.11
30	9.70	10.40	9.98	9.79	---	9.79	9.46	9.43	9.38	8.97	8.36	8.07
31	9.67	---	9.93	9.77	---	9.72	---	9.42	---	8.96	8.39	---
MAX	9.84	10.74	10.39	10.09	10.60	10.54	9.71	9.45	9.58	9.43	8.93	8.39
MIN	9.22	9.57	9.82	9.77	9.76	9.72	9.46	9.31	9.23	8.96	8.36	8.07

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.--7 years (water year 1981-87) 721 ft³/s, 522,400 acre-ft/yr.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 25	2000	2,600	30.82	Feb. 28	2300	*3,150	*32.68
Dec. 25	1800	2,470	30.36				

Minimum discharge, 3.2 ft³/s Sept. 25, 26, 27, gage height, 15.79 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	642	1810	2300	1720	3130	2030	223	109	135	37	5.0
2	9.6	633	1810	2280	1740	3060	1990	184	114	130	30	4.7
3	9.0	615	1800	2310	1740	2930	1950	158	117	125	27	4.2
4	8.9	677	1780	2350	1740	2840	1900	145	118	120	21	4.1
5	11	738	1760	2350	1720	2780	1850	138	115	115	17	4.1
6	11	642	1730	2340	1730	2740	1800	133	109	112	17	3.9
7	9.9	872	1710	2320	1850	2700	1750	129	104	112	13	3.9
8	11	1070	1710	2310	1890	2680	1700	126	100	108	11	4.1
9	14	1140	1850	2310	1910	2660	1650	122	97	106	9.2	4.1
10	11	1010	1920	2300	1870	2640	1590	117	96	103	9.0	3.8
11	9.3	965	1920	2270	1820	2610	1520	115	95	101	8.0	4.8
12	20	946	1890	2250	1790	2580	1440	119	106	105	8.9	5.2
13	105	928	1850	2220	1760	2560	1370	117	369	104	40	4.6
14	191	916	1830	2190	1740	2520	1290	118	380	93	18	4.1
15	223	938	1940	2160	1890	2490	1220	118	367	86	17	3.7
16	236	954	2070	2130	2120	2460	1130	119	335	84	17	3.7
17	246	965	2110	2110	2290	2440	1050	132	273	85	15	3.9
18	251	965	2180	2140	2290	2430	986	138	233	80	16	4.8
19	253	957	2230	2150	2200	2410	925	136	194	74	16	6.5
20	251	950	2220	2140	2430	2390	864	139	151	70	14	5.7
21	245	934	2220	2110	2660	2370	807	146	130	67	12	4.7
22	236	924	2210	2070	2650	2350	743	147	123	64	9.5	4.3
23	275	1160	2350	2030	2570	2360	677	150	118	63	8.1	3.8
24	693	1840	2430	1990	2530	2370	609	162	131	62	7.2	3.4
25	617	2290	2460	1960	2510	2340	541	160	151	60	6.3	3.3
26	635	2490	2460	1920	2600	2310	479	149	172	58	5.8	3.2
27	642	2230	2420	1890	2700	2260	418	139	179	57	5.8	3.3
28	649	2010	2390	1850	3060	2210	358	154	165	56	6.0	3.7
29	639	1900	2370	1820	---	2160	305	149	151	53	5.6	4.3
30	638	1850	2340	1790	---	2120	262	122	142	50	5.3	4.1
31	641	---	2320	1750	---	2080	---	113	---	44	5.1	---
TOTAL	7800.7	35151	64090	66110	59520	77980	35204	4317	5044	2682	437.8	127.0
MEAN	252	1172	2067	2133	2126	2515	1173	139	168	86.5	14.1	4.23
MAX	693	2490	2460	2350	3060	3130	2030	223	380	135	40	6.5
MIN	8.9	615	1710	1750	1720	2080	262	113	95	44	5.1	3.2
AC-FT	15470	69720	127100	131100	118100	154700	69830	8560	10000	5320	868	252
CAL YR 1986	TOTAL	348747.7	MEAN	955	MAX	3720	MIN	8.9	AC-FT	691700		
WTR YR 1987	TOTAL	358463.5	MEAN	982	MAX	3130	MIN	3.2	AC-FT	711000		

RED RIVER BASIN

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07349860 RED CHUTE BAYOU AT SLIGO, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.06	22.01	27.78	29.75	27.36	32.60	28.71	18.98	17.80	18.09	16.78	15.88
2	16.04	21.96	27.76	29.69	27.47	32.38	28.52	18.63	17.85	18.02	16.65	15.87
3	16.02	21.85	27.72	29.80	27.45	31.96	28.35	18.36	17.89	17.97	16.56	15.85
4	16.01	22.19	27.65	29.94	27.47	31.64	28.15	18.22	17.90	17.92	16.42	15.84
5	16.09	22.55	27.54	29.93	27.36	31.45	27.94	18.12	17.86	17.86	16.32	15.84
6	16.10	22.01	27.41	29.90	27.43	31.31	27.71	18.06	17.80	17.83	16.30	15.83
7	16.05	23.28	27.30	29.84	27.94	31.17	27.49	18.02	17.75	17.83	16.19	15.83
8	16.07	24.36	27.33	29.77	28.11	31.10	27.26	17.98	17.70	17.78	16.11	15.84
9	16.21	24.72	27.94	29.78	28.21	31.03	27.03	17.94	17.66	17.77	16.05	15.84
10	16.10	24.07	28.23	29.75	28.01	30.96	26.77	17.89	17.65	17.73	16.05	15.83
11	16.03	23.81	28.22	29.65	27.81	30.88	26.47	17.87	17.64	17.71	16.01	15.87
12	16.34	23.71	28.10	29.57	27.66	30.77	26.14	17.91	17.76	17.76	16.04	15.89
13	17.73	23.61	27.93	29.46	27.55	30.67	25.80	17.89	20.08	17.74	16.81	15.86
14	18.69	23.55	27.86	29.35	27.45	30.55	25.44	17.90	20.23	17.61	16.35	15.84
15	18.97	23.67	28.32	29.25	28.10	30.44	25.07	17.90	20.13	17.53	16.32	15.82
16	19.09	23.75	28.86	29.12	29.05	30.33	24.67	17.91	19.89	17.50	16.31	15.82
17	19.17	23.81	29.04	29.02	29.72	30.27	24.28	18.05	19.40	17.52	16.27	15.83
18	19.22	23.81	29.32	29.15	29.72	30.21	23.92	18.12	19.06	17.44	16.29	15.87
19	19.24	23.77	29.48	29.19	29.39	30.15	23.60	18.10	18.72	17.37	16.30	15.95
20	19.22	23.73	29.47	29.15	30.22	30.09	23.25	18.14	18.28	17.31	16.23	15.91
21	19.16	23.64	29.45	29.04	31.01	30.02	22.93	18.23	18.03	17.26	16.14	15.87
22	19.09	23.59	29.42	28.88	31.02	29.93	22.58	18.23	17.95	17.23	16.07	15.85
23	19.40	24.77	29.94	28.72	30.72	29.95	22.22	18.27	17.90	17.21	16.01	15.83
24	22.30	27.89	30.21	28.55	30.57	30.01	21.81	18.41	18.04	17.19	15.98	15.81
25	21.86	29.64	30.32	28.41	30.52	29.91	21.38	18.39	18.28	17.16	15.94	15.80
26	21.97	30.42	30.32	28.26	30.83	29.77	20.95	18.26	18.52	17.14	15.92	15.79
27	22.01	29.49	30.18	28.10	31.16	29.58	20.52	18.14	18.58	17.12	15.92	15.80
28	22.05	28.62	30.07	27.95	32.38	29.40	20.07	18.31	18.44	17.10	15.93	15.82
29	21.99	28.16	29.99	27.81	---	29.23	19.66	18.26	18.28	17.06	15.91	15.85
30	21.99	27.94	29.90	27.69	---	29.07	19.31	17.94	18.17	17.00	15.89	15.84
31	22.01	---	29.81	27.50	---	28.89	---	17.84	---	16.90	15.89	---
MAX	22.30	30.42	30.32	29.94	32.38	32.60	28.71	18.98	20.23	18.09	16.81	15.95
MIN	16.01	21.85	27.30	27.50	27.36	28.89	19.31	17.84	17.64	16.90	15.89	15.79

RED RIVER BASIN

07349990 RED RIVER AT WILLIAMS, LA

LOCATION.--Lat 32°11'41", long 93°27'52", SE 1/4 sec.14, T.14 N., R.10 W., Red River Parish, Hydrologic Unit 11140202, near right bank, 0.8 mi east of Williams, and at mi 241.0.

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

PERIOD OF RECORD.--Water years 1984, 1986 to current year (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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										
22...	1530	1440	7.71	20.0	10	170	—	30	—	1400
NOV										
13...	1000	987	7.95	14.0	15	140	10.7	24	2.8	3800
DEC										
04...	1130	653	7.20	10.5	50	140	10.2	—	1.7	1500
JAN										
13...	1050	517	7.50	7.5	40	50	10.9	180	2.1	1500
FEB										
03...	1230	844	7.50	12.0	50	75	10.1	49	0.7	K6400
MAR										
04...	0945	607	7.70	11.0	50	170	10.1	71	2.9	2000
APR										
28...	1715	828	8.20	25.0	20	20	9.1	31	3.8	350
MAY										
27...	1330	1110	7.90	29.5	20	18	8.0	24	3.3	2800
JUN										
11...	1215	1280	7.90	26.5	15	95	7.0	93	2.0	640
JUL										
29...	1330	1190	8.00	31.5	15	35	7.2	66	3.3	2000
AUG										
13...	1100	982	7.90	29.5	15	65	7.9	70	0.9	860
27...	1430	1220	7.80	30.0	15	17	8.1	29	2.4	K80

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT										
22...	320	200	270	71	22	170	5.1	97	170	270
NOV										
13...	500	370	200	55	15	120	4.4	80	130	190
DEC										
04...	270	520	190	48	17	65	4.2	82	79	120
JAN										
13...	290	280	130	34	10	50	3.4	74	59	76
FEB										
03...	32	380	130	29	15	87	4.2	91	100	120
MAR										
04...	110	250	140	38	11	53	3.5	83	65	86
APR										
28...	28	43	220	58	19	77	4.3	128	100	120
MAY										
27...	450	50	300	76	26	120	4.6	172	130	160
JUN										
11...	K24	130	290	73	26	140	5.5	125	170	220
JUL										
29...	1700	140	280	71	24	130	5.4	122	150	190
AUG										
13...	K12	420	250	65	22	100	5.1	140	120	140
27...	K32	K60	320	86	26	120	5.9	214	150	180

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

RED RIVER BASIN

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07349990 RED RIVER AT WILLIAMS, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	788	644	0.10	0.21	1.1	1.3	0.41	0.36	8.2
NOV 13...	578	266	0.01	0.24	0.80	1.0	0.30	0.04	8.5
DEC 04...	373	254	0.04	0.30	0.95	1.2	0.26	0.14	6.8
JAN 13...	291	123	0.02	0.24	0.98	1.2	0.10	0.09	3.0
FEB 03...	498	160	0.02	0.31	0.92	1.2	0.18	0.06	4.5
MAR 04...	340	699	0.04	0.24	1.2	1.4	0.40	0.15	7.0
APR 28...	472	84	<0.01	<0.02	0.82	—	0.14	0.03	7.0
MAY 27...	640	39	0.01	<0.02	0.87	—	0.14	0.08	5.8
JUN 11...	757	176	0.02	0.30	0.85	1.2	0.29	0.06	5.5
JUL 29...	672	506	0.01	<0.02	0.72	—	0.10	0.07	2.8
AUG 13...	551	198	0.02	0.03	0.85	0.88	0.25	0.08	7.2
27...	708	64	<0.01	0.020	0.78	—	0.15	0.06	6.5

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 22...	3	<10	<1	10	17	9000	8	470
JAN 13...	3	<10	2	<10	10	3100	20	160
APR 28...	1	<10	<1	<10	9	1400	7	200
JUL 29...	3	<10	<1	<10	6	680	<5	70

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 22...	<0.1	18	<1	40	<0.01	<1	3
JAN 13...	0.4	3	<1	10	<0.02	3	3
APR 28...	<0.1	8	<1	20	<0.02	<1	2
JUL 29...	<0.1	<1	<1	<10	<0.02	2	2

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

RED RIVER BASIN

07350517 RED RIVER AT CAMPTI, LA

LOCATION.--Lat 31°53'33", long 93°07'56", in SW 1/4 sec.31, T.10 N., R.7 W., Natchitoches Parish, Hydrologic Unit 11140202, near left bank, 0.5 mi west of CampTI, and at mile 194.0.

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

PERIOD OF RECORD.--Water years 1984, 1986 to current year (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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 21...	1600	1460	7.70	20.0	5	170	7.4	19	1.1	730
NOV 14...	1430	881	7.70	13.5	20	150	10.4	24	3.4	2600
DEC 04...	1545	536	7.60	11.0	80	140	9.8	--	1.7	2300
JAN 13...	1625	512	7.30	9.0	40	45	10.9	81	1.8	460
FEB 03...	1015	664	7.50	12.0	50	80	10.8	50	2.7	K6600
MAR 05...	0930	499	7.70	12.0	40	180	9.7	76	3.4	2300
APR 28...	0900	780	8.00	24.0	15	40	8.5	22	3.7	740
MAY 27...	1045	1080	8.00	28.0	20	12	7.7	21	3.4	480
JUN 11...	1550	1240	7.80	26.5	20	100	7.0	83	1.8	210
JUL 29...	1130	1190	8.00	31.0	15	35	7.3	54	4.8	130
AUG 14...	1200	1020	8.00	31.0	20	17	8.1	23	2.2	K70
28...	1415	1200	7.80	31.0	20	12	7.8	21	3.5	K60

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WHAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 21...	100	140	280	76	23	180	5.0	115	170	290
NOV 14...	280	320	190	52	14	100	4.3	81	110	160
DEC 04...	200	480	150	40	13	52	3.5	74	62	90
JAN 13...	K22	120	130	35	10	53	3.4	69	61	82
FEB 03...	K130	310	110	23	12	68	3.8	76	79	100
MAR 05...	140	670	130	36	9.5	42	2.6	75	54	68
APR 28...	K24	K50	210	54	18	75	3.7	128	95	110
MAY 27...	110	K42	300	77	26	120	4.5	180	120	150
JUN 11...	K30	330	290	72	26	140	5.5	130	170	200
JUL 29...	K260	140	280	74	24	120	5.2	135	140	180
AUG 14...	<2	K4	270	69	23	100	5.3	165	110	140
28...	K4	K34	310	82	25	120	6.0	209	140	180

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

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

RED RIVER BASIN

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07350517 RED RIVER AT CAMPTI, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 21...	836	424	0.01	0.21	2.2	2.4	0.92	0.02	16
NOV 14...	475	374	0.01	0.23	0.76	0.99	0.30	0.05	8.4
DEC 04...	310	237	0.04	0.28	0.92	1.2	0.28	0.14	8.0
JAN 13...	317	546	0.02	0.22	0.91	1.1	0.09	0.07	4.5
FEB 03...	388	290	0.02	0.25	0.90	1.2	0.19	0.07	5.5
MAR 05...	272	1000	0.04	0.20	1.2	1.4	0.41	0.13	6.0
APR 28...	434	118	<0.01	<0.02	0.82	—	0.21	0.04	8.0
MAY 27...	635	31	<0.01	<0.02	0.77	—	0.10	0.04	7.2
JUN 11...	759	314	0.01	0.30	0.71	1.0	0.18	0.05	5.0
JUL 29...	685	68	0.01	<0.02	1.0	—	0.16	0.07	2.8
AUG 14...	578	52	<0.01	<0.02	0.64	—	0.20	0.07	7.0
28...	689	45	<0.01	<0.02	0.75	—	0.14	0.07	7.2

DATE	ARSENIC	BERYL-	CADMIUM	CHRO-	COPPER,	IRON,	LEAD,	MANGA-
	TOTAL (UG/L AS AS)	TOTAL RECOV- ERABLE (UG/L AS BE)	TOTAL RECOV- ERABLE (UG/L AS CD)	TOTAL RECOV- ERABLE (UG/L AS CR)	TOTAL RECOV- ERABLE (UG/L AS CU)	TOTAL RECOV- ERABLE (UG/L AS FE)	TOTAL RECOV- ERABLE (UG/L AS PB)	TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 21...	2	<10	<1	10	15	8600	7	350
JAN 13...	3	<10	2	<10	20	3500	10	120
APR 28...	1	<10	1	<10	10	2000	9	270
JUL 29...	2	<10	<1	<10	9	840	<5	60

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE GRAVI- METRIC (MG/L)
OCT 21...	<0.1	15	<1	40	<0.01	1	4
JAN 13...	<0.1	5	<1	20	<0.02	8	2
APR 28...	<0.1	5	<1	20	<0.02	<1	3
JUL 29...	<0.1	<1	<1	<10	<0.02	2	3

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

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

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

DRAINAGE AREA.--66 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

REMARKS.--Estimated daily discharges: Oct. 14-16, Oct. 26 to Nov. 4, Nov. 13-16, 18-22, Mar. 29-30, Apr. 2-12, Apr. 15 to May 16, June 8-9, July 16-19, Aug. 31 to Sept. 6. Indefinite stage-discharge relationship: Oct. 14-16, Oct. 26 to Nov. 4, Nov. 13-16, 18-22, Mar. 29-30, Apr. 2-12, Apr. 15 to May 16, June 8-9, July 16-19, Aug. 31 to Sept. 6. Records fair above 50 ft³/s and poor below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--23 years (1939-56, 1983-87), 73.5 ft³/s, 15.12 in/yr, 53,250 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)
Nov. 25	1730	*6,750	*11.34	Feb. 20	2400	3,850	10.86

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.5	42	42	12	413	11	4.2	16	4.6	3.0	.00
2	.00	2.0	39	44	208	23	10	4.1	17	4.4	2.6	.00
3	.00	1.5	40	88	110	32	10	4.0	18	4.3	2.4	.00
4	.00	1.1	42	265	52	36	9.5	4.0	33	3.3	1.9	.00
5	.00	166	49	98	32	27	9.5	4.3	24	2.5	1.7	.00
6	.00	18	58	61	62	22	9.0	4.0	16	1.9	1.7	.00
7	.00	241	63	47	627	20	9.0	4.0	12	1.5	1.6	.00
8	.00	931	81	38	452	20	8.0	4.5	11	1.8	1.3	.00
9	.00	673	207	38	92	21	7.5	4.0	10	2.3	1.0	.00
10	.00	321	420	75	48	18	7.5	3.9	11	2.7	1.0	.00
11	.00	76	124	54	34	20	7.2	4.0	12	1.7	1.2	.00
12	12.00	98	78	37	28	21	7.2	3.9	15	1.5	1.4	.00
13	13.0	62	64	31	24	20	6.2	3.8	35	1.3	1.8	.00
14	1.0	45	57	29	22	20	6.7	3.7	27	.87	1.6	.00
15	.10	30	214	29	188	21	8.0	3.6	15	.42	1.4	.00
16	.05	20	767	29	542	22	7.5	3.6	11	.09	1.2	.29
17	.00	12	303	39	145	35	7.0	5.5	9.6	.08	.98	.23
18	.00	9.0	140	274	59	113	6.5	6.5	9.4	.07	.79	.92
19	.00	65	299	312	37	40	6.0	7.8	9.0	.05	.53	1.8
20	.00	45	135	82	759	24	5.5	9.2	9.2	.03	.31	1.5
21	.00	20	80	48	1660	19	5.2	9.4	8.2	.00	.18	1.3
22	.00	60	69	36	323	17	5.0	11.4	8.6	.00	.04	1.97
23	1.7	435	550	28	111	22	4.9	11	8.2	.00	.00	.66
24	48.2	3820	1030	24	181	142	4.8	16	7.8	.03	.00	.38
25	371	3440	228	24	418	45	4.7	32	7.2	.91	.00	.12
26	50	1340	83	25	498	22	4.6	17	7.4	2.9	.00	.00
27	30	252	60	21	761	15	4.5	11	6.9	3.4	.00	.00
28	15	87	49	16	559	11	4.4	11	6.2	3.1	.00	.00
29	10	60	44	14	---	10	4.3	13	6.4	2.9	.00	.00
30	5.0	48	41	15	---	9.5	4.2	14	5.2	2.7	.00	.00
31	3.5	---	42	12	---	11	---	16	---	3.2	.00	---
TOTAL	994.35	12384.1	5498	1975	8074	1381.5	206.1	254.1	392.0	54.45	29.73	8.17
MEAN	32.1	413	177	63.7	288	44.6	6.87	8.20	13.1	1.76	.96	.27
MAX	482	3820	1030	312	1660	413	11	32	35	4.6	3.0	1.8
MIN	.00	1.1	39	12	9.5	9.5	4.2	3.6	5.2	.00	.00	.00
CFSM	.49	6.26	2.68	1.97	4.36	.68	.10	.12	.20	.03	.01	.00
IN	.56	6.98	3.10	1.11	4.55	.78	.12	.14	.22	.03	.02	.00
AC-FT	1970	24560	10910	3920	16010	2740	409	504	778	108	59	16
CAL YR 1986	TOTAL 36538.03		MEAN 100		MAX 3820		MIN .00		CFSM 1.52		IN. 20.59	
WTR YR 1987	TOTAL 31251.50		MEAN 85.6		MAX 3820		MIN .00		CFSM 1.30		IN. 17.61	
										AC-FT 72470		
										AC-FT 61990		

RED RIVER BASIN

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07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.72	3.71	3.48	3.47	2.65	7.78	2.87	3.06	3.48	3.66	3.73	3.14
2	3.70	3.77	3.42	3.53	6.17	4.51	2.91	3.06	3.50	3.67	3.70	3.11
3	3.67	3.79	3.44	4.32	4.81	3.70	2.94	3.11	3.52	3.69	3.68	3.09
4	3.66	3.93	3.49	6.89	3.70	3.32	2.99	3.11	3.83	3.67	3.65	3.06
5	3.70	5.99	3.64	4.62	3.24	3.09	2.94	3.13	3.65	3.65	3.62	3.04
6	3.69	4.16	3.81	3.88	3.77	2.96	2.87	3.17	3.51	3.64	3.61	3.01
7	3.68	6.13	3.93	3.60	8.98	2.89	2.85	3.20	3.39	3.64	3.59	2.99
8	3.67	9.75	4.29	3.40	7.93	2.89	2.68	3.17	3.19	3.67	3.57	2.97
9	3.68	9.20	6.03	3.38	4.49	2.93	2.65	3.18	3.32	3.73	3.53	2.94
10	3.69	7.06	8.08	4.16	3.61	2.84	2.69	3.19	3.42	3.77	3.53	2.93
11	3.69	4.96	5.05	3.73	3.29	2.89	2.77	3.23	3.49	3.74	3.53	2.94
12	4.05	5.23	4.23	3.37	3.13	2.94	2.81	3.25	3.59	3.75	3.53	2.94
13	4.06	3.99	3.95	3.21	3.01	2.92	2.85	3.30	4.01	3.75	3.55	2.93
14	3.52	3.56	3.79	3.14	2.96	2.93	2.85	3.20	3.89	3.75	3.53	2.92
15	3.33	3.45	5.82	3.14	5.38	2.98	2.88	3.11	3.66	3.74	3.50	2.90
16	3.34	3.66	9.42	3.15	8.69	3.01	2.87	3.10	3.56	3.73	3.47	2.97
17	3.42	3.96	7.04	3.38	5.33	3.34	2.88	3.17	3.54	3.72	3.45	2.99
18	3.48	4.12	5.34	6.79	3.83	4.92	2.86	3.21	3.56	3.71	3.42	3.04
19	3.53	4.24	7.24	7.17	3.35	3.53	2.83	3.26	3.56	3.69	3.39	3.10
20	3.56	4.34	5.24	4.31	6.90	3.13	2.83	3.31	3.59	3.66	3.36	3.08
21	3.57	4.44	4.27	3.61	10.04	2.98	2.79	3.32	3.61	3.64	3.33	3.06
22	3.58	4.55	4.04	3.32	7.22	2.94	2.82	3.37	3.62	3.61	3.30	3.04
23	3.74	7.13	7.82	3.11	4.85	3.08	2.84	3.39	3.62	3.61	3.27	3.02
24	8.12	10.83	9.66	3.02	5.64	5.41	2.86	3.53	3.63	3.62	3.25	3.00
25	7.28	10.69	6.32	3.02	8.08	3.69	2.87	3.87	3.63	3.67	3.22	2.98
26	3.73	9.83	4.33	3.03	8.23	3.13	2.90	3.52	3.66	3.79	3.19	2.96
27	3.36	6.54	3.87	2.91	9.36	2.93	2.92	3.35	3.67	3.80	3.17	2.95
28	3.43	4.41	3.64	2.77	8.80	2.83	2.95	3.35	3.66	3.78	3.16	2.93
29	3.56	3.87	3.52	2.72	---	2.75	3.02	3.40	3.65	3.76	3.14	2.92
30	3.64	3.60	3.46	2.74	---	2.78	3.02	3.43	3.66	3.74	3.13	2.90
31	3.67	---	3.47	2.67	---	2.86	---	3.48	---	3.75	3.14	---
MAX	8.12	10.83	9.66	7.17	10.04	7.78	3.02	3.87	4.01	3.80	3.73	3.14
MIN	3.33	3.45	3.42	2.67	2.65	2.75	2.65	3.06	3.19	3.61	3.13	2.90

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.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Estimated daily discharges: Mar. 20-24, Mar. 29 to Apr. 20, June 3-5, 10-12, July 16-19 (indefinite stage-discharge relation) May 8-10, May 31 to June 2, July 20-26, Aug. 16 to Sept. 8 (no gage-height record). Records fair. Backwater from Red River. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--7 years, 722 ft³/s, 523,100 acre-ft/yr. The figures published in the 1986 report were in error; the correct figures are 6 years, 653 ft³/s, 473,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,690 ft³/s Nov. 28, 1986; maximum gage height 25.01 ft Feb. 28, 1987; minimum daily discharge 12 ft³/s June 10, 11, 15, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,690 ft³/s Nov. 28; maximum gage height 25.01 ft Feb. 28; minimum daily discharge, 31 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	564	7220	1050	382	9240	500	104	200	151	105	49
2	87	446	5930	881	455	9090	460	103	160	119	105	47
3	88	353	4740	1070	724	8450	430	103	140	110	108	45
4	88	297	3680	1520	940	7290	410	103	130	109	111	43
5	90	754	2770	1530	1070	5430	400	94	120	110	111	40
6	88	1280	2110	1450	1060	3790	380	93	125	116	110	39
7	87	1500	1750	1320	1420	2800	360	92	161	121	111	38
8	98	2640	1560	1140	1850	2230	340	92	173	112	113	37
9	143	4230	1500	967	2040	1840	320	91	162	120	115	35
10	97	4540	1620	838	1970	1510	310	90	150	127	108	36
11	91	4270	1730	751	1710	1280	290	92	140	120	105	38
12	422	3780	1720	676	1430	1080	270	102	120	116	111	40
13	611	3110	1670	619	1170	909	260	107	107	104	104	40
14	514	2380	1570	546	987	788	250	104	126	129	101	43
15	487	1810	1790	478	1310	684	230	102	309	273	100	50
16	449	1500	2820	444	1930	562	220	101	418	250	98	54
17	394	1260	3340	433	2350	741	210	111	397	200	94	50
18	338	1060	3600	875	2450	1040	200	129	327	160	88	48
19	315	886	3740	1340	2160	956	190	133	291	140	82	45
20	296	737	3350	1450	2750	540	180	145	260	135	78	43
21	272	621	2810	1400	5660	370	170	126	219	130	74	43
22	210	571	2300	1280	7340	350	157	106	208	125	58	49
23	190	1030	3190	1150	7930	480	150	112	186	120	62	52
24	842	3450	4220	1010	7680	900	141	138	171	118	54	48
25	1680	6540	4740	897	6820	1200	133	154	148	116	48	42
26	1830	8550	4810	780	6760	1100	121	205	137	115	46	38
27	1590	9470	4040	691	7320	939	114	324	133	114	43	36
28	1310	9590	2990	608	8900	762	110	368	135	112	41	34
29	1050	9030	2090	539	---	700	108	359	135	111	41	33
30	845	8210	1580	471	---	620	106	337	131	107	40	31
31	712	---	1270	416	---	560	---	250	---	107	50	---
TOTAL	15402	94459	92250	28620	88568	68231	7520	4570	5619	4097	2625	1266
MEAN	497	3149	2976	923	3163	2201	251	147	187	132	84.7	42.2
MAX	1830	9590	7220	1530	8900	9240	500	368	418	273	115	54
MIN	87	297	1270	416	382	350	106	90	107	104	40	31
AC-FT	30550	187400	183000	56770	175700	135300	14920	9060	11150	8130	5210	2510
CAL YR 1986	TOTAL	395824		MEAN	1084	MAX	9590	MIN	85	AC-FT	785100	
WTR YR 1987	TOTAL	413227		MEAN	1132	MAX	9590	MIN	31	AC-FT	819600	

RED RIVER BASIN

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07351750 BAYOU PIERRE NEAR LAKE END, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	5.27	21.51	7.80	3.83	24.92	8.38	1.67	---	5.51	1.67	---
2	1.22	4.77	19.61	6.93	4.33	24.72	7.84	1.66	---	5.31	1.67	---
3	1.22	4.24	17.51	7.84	6.03	24.21	7.24	1.66	2.40	5.21	1.70	---
4	1.22	3.82	15.55	10.10	7.24	23.13	6.71	1.66	2.75	5.29	1.73	---
5	1.23	5.98	13.65	10.13	7.91	21.01	6.17	1.56	4.99	5.41	1.74	---
6	1.21	8.66	12.06	9.75	7.87	18.56	5.39	1.55	6.34	5.42	1.72	---
7	1.22	9.72	10.89	9.13	9.63	16.71	4.78	1.54	6.77	5.02	1.74	---
8	1.33	13.34	10.02	8.29	11.56	15.67	4.33	---	6.57	4.24	1.75	---
9	1.76	16.58	9.70	7.38	12.15	15.08	3.92	---	6.35	3.73	1.77	.83
10	1.32	17.17	10.29	6.69	11.95	14.57	3.48	---	6.07	3.73	1.71	.84
11	1.25	16.69	10.77	6.20	10.97	13.93	3.31	1.54	5.52	4.00	1.68	.87
12	3.72	15.76	10.73	5.77	9.65	13.17	3.26	1.65	5.12	4.11	1.74	.90
13	5.09	14.40	10.51	5.42	8.44	12.25	3.05	1.70	5.23	3.91	1.67	.90
14	4.73	12.73	10.09	5.38	7.49	11.20	2.88	1.67	5.87	3.64	1.64	.94
15	4.53	11.10	11.02	5.46	9.07	10.13	2.83	1.64	6.54	3.06	1.62	1.04
16	4.24	9.74	14.04	5.34	11.81	9.30	2.80	1.64	6.63	2.24	---	1.10
17	3.83	8.60	15.16	5.19	12.95	9.53	2.74	1.73	6.31	1.59	---	1.04
18	3.39	7.59	15.69	7.05	13.18	9.96	2.67	1.91	6.03	1.25	---	1.02
19	3.09	6.67	15.97	9.24	12.46	9.52	2.60	1.94	5.96	1.16	---	.97
20	2.95	5.85	15.19	9.76	13.71	10.30	2.51	2.05	5.89	---	---	.95
21	2.78	5.15	14.03	9.53	19.31	11.80	2.26	1.88	5.97	---	---	.95
22	2.30	4.83	12.82	8.96	21.85	12.80	2.16	1.69	5.95	---	---	1.02
23	2.15	7.35	14.81	8.33	22.66	13.20	2.10	1.74	5.74	---	---	1.07
24	6.30	14.97	16.88	7.70	22.41	13.51	2.01	1.99	5.74	---	---	1.02
25	10.55	20.37	17.79	7.32	21.34	13.23	1.94	2.13	5.92	---	---	.93
26	11.23	23.17	17.92	6.82	21.66	12.71	1.83	2.54	6.08	---	---	.87
27	10.16	24.26	16.53	6.19	22.49	12.08	1.76	3.43	6.07	1.76	---	.83
28	8.81	24.40	14.40	5.54	24.41	11.32	1.73	3.74	6.02	1.75	---	.81
29	7.53	23.75	12.26	4.94	---	10.51	1.71	3.67	5.81	1.74	---	.79
30	6.45	22.75	10.39	4.44	---	9.70	1.69	3.52	5.59	1.69	---	.76
31	5.74	---	8.92	4.07	---	8.96	---	---	---	1.69	---	---
MAX	11.23	24.40	21.51	10.13	24.41	24.92	8.38	3.74	6.63	5.51	1.77	1.07
MIN	1.21	3.82	8.92	4.07	3.83	8.96	1.69	1.54	2.40	---	---	.76

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year (discontinued).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: October 1982 to December 1986.

SUSPENDED-SEDIMENT DISCHARGE: October 1982 to December 1986.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
OCTOBER												
1	60	12	140	1520	107	459	27	15	45	14	39	19
2	52	9.3	68	769	96	492	30	15	42	13	36	17
3	48	11	53	522	86	476	32	15	45	13	38	17
4	46	11	48	363	67	347	33	14	213	857	36	16
5	52	10	48	257	37	172	30	13	292	1320	38	16
6	50	7.7	51	202	39	160	24	10	230	1190	30	13
7	50	6.5	56	166	51	176	27	10	155	954	33	13
8	41	4.6	55	125	45	123	28	9.5	102	688	32	12
9	42	4.2	54	97	44	98	29	8.5	81	242	32	12
10	38	3.9	51	74	50	92	26	8.5	48	273	36	191
11	34	3.3	54	63	93	301	25	8.3	42	202	34	403
12	20	1.8	53	50	164	1080	26	8.7	31	127	235	172
13	38	3.4	46	35	179	1800	22	7.1	33	118	307	408
14	32	3.2	45	27	95	1050	25	7.7	35	77	107	139
15	23	2.5	46	23	44	482	28	8.3	25	65	58	62
16	29	3.3	43	18	36	358	28	8.0	40	86	66	59
17	28	11	39	14	36	310	24	8.4	41	73	44	34
18	31	17	34	11	36	239	30	8.2	45	67	64	46
19	57	33	36	11	36	173	26	7.6	51	64	112	92
20	113	141	33	9.1	36	134	24	8.6	43	45	72	52
21	136	166	33	10	36	104	24	10	36	31	46	29
22	224	212	33	17	35	82	31	14	35	26	47	26
23	204	159	30	18	35	68	29	13	38	27	46	23
24	114	104	71	82	33	54	28	11	42	28	43	21
25	134	146	160	441	26	35	30	12	37	24	43	20
26	102	102	184	720	23	26	29	11	38	24	64	30
27	78	62	130	586	22	22	27	11	46	27	58	26
28	92	82	81	385	21	18	26	10	39	21	46	20
29	105	147	66	305	19	14	28	10	---	---	50	21
30	210	941	46	191	19	13	32	11	---	---	53	22
31	189	1590	---	---	25	15	42	13	---	---	52	22
TOTAL	---	4011.0	---	7111.1	---	8973	---	327.4	---	6979	---	2053
APRIL												
1	42	17	60	41	194	276	68	1250	41	12	75	17
2	36	15	145	161	163	393	43	728	39	11	78	18
3	29	12	---	---	199	548	41	606	41	11	86	20
4	29	12	122	234	141	379	33	399	43	11	107	25
5	23	9.3	90	150	114	326	28	271	46	12	98	29
6	30	12	76	103	120	408	40	308	42	11	93	29
7	45	18	82	91	143	622	44	261	39	9.6	99	32
8	47	25	78	70	---	---	55	263	37	9.1	78	33
9	24	102	69	49	144	902	64	270	31	9.0	64	27
10	22	23	76	49	82	666	63	238	35	8.7	82	31
11	27	27	76	54	132	1460	64	218	42	11	77	26
12	38	36	75	52	109	1550	73	221	---	---	64	19
13	30	26	71	43	71	1060	79	211	49	14	64	17
14	41	34	70	39	54	736	73	168	42	12	58	14
15	47	37	69	37	46	540	69	135	35	9.7	56	14
16	44	28	83	44	40	415	70	116	27	7.4	47	11
17	46	24	87	48	39	461	69	98	23	9.1	41	9.7
18	42	24	---	---	36	279	80	98	28	7.4	39	9.4
19	40	20	88	89	42	264	79	82	27	7.1	37	8.8
20	456	1180	83	97	46	240	78	70	34	9.0	36	8.6
21	145	2080	76	74	49	226	75	62	38	10	63	18
22	285	1520	55	31	44	189	90	68	47	12	106	38
23	124	639	41	19	42	169	82	54	89	23	105	28
24	80	343	50	24	45	171	88	50	80	19	71	17
25	73	233	123	105	56	198	84	41	86	20	58	14
26	62	133	389	571	53	162	87	35	86	20	50	12
27	67	99	154	223	71	207	69	25	96	22	43	10
28	57	64	99	124	204	1530	68	22	88	20	44	10
29	59	58	88	93	194	2890	70	21	72	17	48	11
30	57	48	94	97	104	1930	66	20	80	19	52	12
31	---	---	96	107	---	---	50	15	83	19	---	---
TOTAL	---	6901.3	---	2919	---	18897	---	6424	---	388.0	---	568.5

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

[illegible]

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: Apr. 30 to May 25, May 31 to June 2, June 7-10, 21-23, July 4-6, 12-25, July 30 to Aug. 5, Aug. 15, during the periods of indefinite stage-discharge relationship. Records good above 100 ft³/s and fair below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--47 years, 163 ft³/s, 14.37 in/yr, 118,100 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)
Nov. 25	2200	*3,330	*8.71	Feb. 28	1800	2,570	8.25
Feb. 22	1800	1,680	7.56				

Minimum discharge, 8.1 ft³/s Oct 3, 4, Aug. 28 to Sept. 1, Sept. 3, 14-15, 27-29; minimum gage height, 2.90 ft June 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	21	397	178	143	2310	124	27	28	15	10	8.3
2	8.8	22	270	164	185	1650	121	26	24	21	12	8.4
3	8.4	24	226	204	246	1020	131	25	21	15	13	8.4
4	8.4	57	193	412	306	694	127	24	16	12	11	8.4
5	8.5	333	166	546	295	477	123	30	15	11	10	8.4
6	9.5	517	147	629	246	312	111	32	14	10	9.3	8.6
7	12	546	138	668	269	256	97	30	13	9.8	9.2	8.5
8	13	744	144	484	336	248	91	29	12	51	9.1	8.4
9	16	723	189	309	394	246	87	28	10	54	9.3	8.4
10	17	585	304	260	395	238	82	30	11	42	8.9	9.7
11	18	559	382	247	291	218	75	29	12	20	26	30
12	136	593	437	234	227	187	73	28	23	15	38	32
13	226	578	449	206	196	165	75	27	82	14	25	14
14	128	378	342	183	177	152	104	26	119	13	15	8.8
15	56	191	316	174	275	144	107	25	134	12	10	8.4
16	26	128	484	169	540	142	88	35	159	11	8.7	8.4
17	15	106	554	181	602	186	72	31	83	10	8.8	8.4
18	12	98	595	336	812	267	62	28	112	9.9	8.8	17
19	9.4	90	642	588	712	313	56	26	169	9.8	8.9	41
20	8.9	98	550	561	666	293	54	24	194	9.7	9.0	32
21	9.7	96	458	557	954	224	48	22	120	9.6	9.1	15
22	12	146	391	451	1410	173	42	20	80	9.7	9.0	8.7
23	63	473	377	289	1340	177	40	18	50	9.6	8.9	8.4
24	286	891	456	239	938	308	38	20	136	9.5	8.8	8.4
25	347	2350	476	235	747	379	36	45	178	9.4	8.8	8.4
26	265	2810	479	217	978	370	34	57	176	9.3	8.8	8.4
27	224	1960	440	214	1570	277	33	51	122	9.3	8.7	8.2
28	102	1240	313	197	2420	206	31	40	60	9.3	8.3	8.1
29	44	840	246	175	---	166	29	4	28	9.3	8.6	9.4
30	29	608	214	164	---	146	28	3	16	9.2	8.2	11
31	23	---	192	152	---	133	---	30	---	9.2	8.2	---
TOTAL	2150.9	17805	10967	9623	17670	12077	2219	930	2217	468.6	355.4	379.5
MEAN	69.4	594	354	310	631	390	74.0	30.0	73.9	15.1	11.5	12.6
MAX	347	2810	642	668	2420	2310	131	57	194	54	38	41
MIN	8.4	21	138	152	143	133	28	18	10	9.2	8.2	8.1
CFSM	.45	3.86	2.30	2.01	4.10	2.53	.48	.19	.48	.10	.07	.08
IN.	.52	4.30	2.65	2.32	4.27	2.92	.54	.22	.54	.11	.09	.09
AC-FT	4270	35320	21750	19090	35050	23950	4400	1840	4400	929	705	753

CAL YR 1986	TOTAL 67696.1	MEAN 185	MAX 2810	MIN 4.1	CFSM 1.20	IN. 16.35	AC-FT 134300
WTR YR 1987	TOTAL 76862.4	MEAN 211	MAX 2810	MIN 8.1	CFSM 1.37	IN. 18.57	AC-FT 152500

RED RIVER BASIN

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07352000 SALINE BAYOU NEAR LUCKY, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.20	3.51	5.97	5.11	4.88	8.07	4.73	3.60	3.93	3.42	2.67	3.17
2	3.18	3.53	5.60	5.03	5.15	7.54	4.71	3.63	3.65	3.54	3.20	3.14
3	3.16	3.58	5.37	5.24	5.48	6.96	4.79	3.74	3.43	3.44	3.21	3.16
4	3.16	4.01	5.20	6.00	5.73	6.54	4.75	3.80	3.31	3.30	2.91	3.15
5	3.17	5.77	5.04	6.30	5.70	6.15	4.72	3.76	3.28	3.12	2.77	3.10
6	3.21	6.24	4.91	6.44	5.48	5.75	4.62	3.79	3.24	2.98	2.69	3.05
7	3.29	6.29	4.84	6.51	5.60	5.53	4.50	3.88	3.10	2.97	2.74	3.05
8	3.32	6.62	4.89	6.17	5.82	5.49	4.44	3.82	2.97	4.03	2.75	3.09
9	3.40	6.59	5.16	5.74	5.97	5.48	4.40	3.78	2.93	4.07	2.71	3.10
10	3.43	6.37	5.71	5.56	5.97	5.43	4.35	3.94	3.01	3.90	2.85	3.20
11	3.44	6.32	5.94	5.48	5.67	5.33	4.27	3.91	3.14	3.54	3.60	3.71
12	4.70	6.38	6.07	5.41	5.37	5.16	4.24	3.87	3.45	3.34	3.85	3.74
13	5.47	6.35	6.10	5.26	5.21	5.04	4.27	3.74	4.32	3.13	3.63	3.39
14	4.84	5.93	5.83	5.14	5.11	4.95	4.56	3.68	4.69	2.92	3.42	3.24
15	4.10	5.28	5.76	5.09	5.54	4.89	4.60	3.75	4.80	2.80	3.18	3.14
16	3.62	4.85	6.17	5.06	6.28	4.87	4.41	4.06	4.99	2.73	2.96	3.13
17	3.38	4.68	6.31	5.12	6.39	5.13	4.24	3.96	4.34	2.69	2.89	3.15
18	3.27	4.60	6.38	5.78	6.72	5.59	4.10	3.74	4.62	2.66	2.86	3.39
19	3.21	4.52	6.46	6.37	6.57	5.75	4.02	3.64	5.06	2.63	2.84	3.90
20	3.18	4.60	6.30	6.32	6.50	5.69	3.99	3.68	5.21	2.59	2.82	3.74
21	3.22	4.58	6.12	6.32	6.89	5.36	3.91	3.58	4.59	2.57	2.81	3.42
22	3.30	4.95	5.96	6.10	7.32	5.08	3.82	3.50	3.85	2.58	2.81	3.23
23	4.08	6.13	5.93	5.67	7.27	5.09	3.78	3.50	3.52	2.64	2.84	3.14
24	5.66	6.81	6.11	5.43	6.88	5.72	3.75	3.57	4.81	2.71	2.85	3.11
25	5.86	8.03	6.16	5.41	6.63	5.94	3.71	3.96	5.13	2.73	2.86	3.13
26	5.64	8.40	6.16	5.32	6.90	5.91	3.68	4.03	5.12	2.68	2.85	3.14
27	5.45	7.80	6.08	5.31	7.47	5.62	3.67	3.95	4.74	2.64	2.95	3.17
28	4.60	7.18	5.75	5.22	8.14	5.27	3.63	3.79	4.15	2.63	3.15	3.22
29	3.92	6.75	5.48	5.10	---	5.04	3.60	3.67	3.67	2.62	3.24	3.27
30	3.68	6.40	5.31	5.03	---	4.90	3.61	3.66	3.46	2.61	3.22	3.31
31	3.55	---	5.19	4.94	---	4.80	---	3.70	---	2.61	3.18	---
MAX	5.86	8.40	6.46	6.51	8.14	8.07	4.79	4.06	5.21	4.07	3.85	3.90
MIN	3.16	3.51	4.84	4.94	4.88	4.80	3.60	3.50	2.93	2.57	2.67	3.05

07352800 GRAND BAYOU NEAR COUSHATTA, LA

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

DRAINAGE AREA.--93.9 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair between 100 and 200 ft³/s, poor below and good above.

AVERAGE DISCHARGE.--29 years (water years 1957-77, 1980-87), 90.0 ft³/s, 13.01 in/yr, 65,200 acre-ft/yr.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 26	0830	2,180	9.22	Jan. 19	1800	747	7.96
Dec. 17	1900	752	7.97	Feb. 21	1830	2,250	9.26
Dec. 24	2030	956	8.26	Feb. 28	1430	*2,740	*9.55

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.34	108	39	29	2170	15	.59	.55	.17	.00	.02
2	.00	.71	53	36	54	1410	13	.60	.38	.13	.00	.01
3	.00	1.8	39	163	180	812	13	.74	.32	.12	.00	.01
4	.00	2.8	30	512	186	524	16	.73	.32	.09	.00	.00
5	.00	92	23	633	98	195	17	.78	.17	.05	.00	.00
6	.00	242	18	657	66	75	15	.80	.15	.04	.00	.00
7	.00	309	15	517	319	52	14	.77	.13	.02	.00	.00
8	.00	412	14	235	461	58	11	2.9	.10	.02	8.4	.00
9	.03	505	26	98	467	91	9.7	6.0	.09	.03	1.1	.00
10	.03	565	142	99	324	78	8.6	3.2	.10	.03	.74	.00
11	.02	462	300	97	108	53	6.9	1.4	.10	.02	.87	.00
12	.35	215	266	69	58	41	5.3	.97	.10	.02	.37	.00
13	8.6	55	120	48	49	33	6.1	.78	.14	.02	.20	.00
14	26	25	58	41	42	28	8.3	.68	4.3	.01	.13	.00
15	6.6	13	184	39	221	26	8.1	9.3	41	.01	.08	.00
16	.94	7.7	575	39	534	24	7.1	3.8	22	.01	.07	.01
17	.53	5.5	726	48	572	97	5.4	1.5	6.9	.01	.05	.01
18	.17	5.5	749	351	499	367	4.6	1.1	1.9	.01	.05	.02
19	.22	4.4	698	687	319	424	3.8	1.9	.75	.00	.04	.03
20	.19	3.7	584	700	561	346	3.2	1.7	.34	.00	.04	.02
21	.11	9.9	401	533	1920	124	2.6	1.1	.22	.00	.04	.01
22	.06	17	210	249	1930	51	2.5	.89	.20	.00	.04	.00
23	.51	228	505	94	1270	44	1.7	.76	.21	.00	.04	.00
24	26	792	853	60	888	166	1.3	.85	.85	.00	.03	.00
25	104	1430	913	70	733	224	1.1	.84	1.4	.00	.02	.00
26	85	2080	719	77	1110	126	.96	.77	1.0	.00	.02	.00
27	30	1550	490	65	1700	57	.86	.70	.64	.00	.08	.00
28	8.0	1040	188	51	2440	40	.75	.66	.37	.00	.07	.00
29	1.8	718	79	45	---	28	.70	.64	.25	.00	.03	.00
30	5.6	381	55	40	---	22	.57	.61	.21	.00	.02	.00
31	1.5	---	45	33	---	18	---	.56	---	.00	.02	---
TOTAL	306.26	11173.35	9186	6425	17138	7804	204.14	48.62	85.19	.81	12.55	.14
MEAN	9.88	372	296	207	612	252	6.80	1.57	2.84	.03	.40	.00
MAX	104	2080	913	700	2440	2170	17	9.3	41	.17	8.4	.03
MIN	.00	.34	14	33	29	18	.57	.56	.09	.00	.00	.00
CFSM	.11	3.96	3.15	2.20	6.52	2.68	.07	.02	.03	.00	.00	.00
IN.	.12	4.43	3.64	2.55	6.79	3.09	.08	.02	.03	.00	.00	.00
AC-FT	607	22160	18220	12740	33990	15480	405	96	169	1.6	25	.3
CAL YR 1986	TOTAL 39783.11	MEAN 109	MAX 2080	MIN .00	CFSM 1.16	IN. 15.76	AC-FT 78910					
WTR YR 1987	TOTAL 52384.06	MEAN 144	MAX 2440	MIN .00	CFSM 1.53	IN. 20.75	AC-FT 103900					

RED RIVER BASIN

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07352800 GRAND BAYOU NEAR COUSHATTA, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.07	1.37	4.38	3.06	2.76	9.21	2.20	1.24	1.23	1.19	.95	.98
2	1.05	1.42	3.46	2.96	3.39	8.67	2.09	1.24	1.18	1.19	.94	.96
3	1.03	1.65	3.05	4.47	5.23	8.06	2.12	1.27	1.17	1.19	.93	.94
4	1.01	1.67	2.80	7.43	5.30	7.41	2.23	1.27	1.16	1.17	.95	.92
5	.98	3.99	2.56	7.74	4.26	5.32	2.26	1.28	1.11	1.15	.99	.90
6	.99	5.80	2.38	7.79	3.73	3.89	2.20	1.29	1.10	1.13	.99	.89
7	1.00	6.34	2.29	7.43	6.37	3.43	2.13	1.28	1.08	1.09	1.00	.88
8	1.03	7.03	2.25	5.69	7.25	3.55	2.03	1.47	1.06	1.09	2.00	.87
9	1.19	7.41	2.63	4.28	7.27	4.17	1.97	1.78	1.05	1.11	1.51	.86
10	1.20	7.59	4.74	4.29	6.43	3.96	1.92	1.60	1.06	1.12	1.42	.85
11	1.18	7.23	6.27	4.27	4.38	3.44	1.84	1.41	1.06	1.11	1.45	.88
12	1.34	5.50	5.99	3.79	3.58	3.09	1.75	1.33	1.06	1.09	1.30	.90
13	1.92	3.46	4.54	3.33	3.35	2.85	1.78	1.28	1.09	1.08	1.24	.90
14	2.65	2.64	3.58	3.11	3.14	2.67	1.91	1.26	1.32	1.07	1.19	.89
15	1.96	2.23	4.86	3.07	5.12	2.59	1.90	1.95	3.11	1.07	1.15	.87
16	1.51	2.04	7.60	3.05	7.50	2.51	1.85	1.64	2.50	1.08	1.14	.94
17	1.43	1.94	7.92	3.28	7.60	3.79	1.76	1.42	1.88	1.11	1.11	.96
18	1.32	1.94	7.96	6.48	7.38	6.76	1.70	1.36	1.49	1.07	1.10	1.00
19	1.34	1.88	7.87	7.84	6.38	7.10	1.64	1.45	1.29	1.06	1.09	1.04
20	1.33	1.83	7.62	7.87	6.74	6.60	1.60	1.44	1.17	1.05	1.08	1.00
21	1.29	2.12	6.93	7.47	9.04	4.56	1.54	1.36	1.13	1.05	1.08	.97
22	1.25	2.39	5.51	5.82	9.05	3.40	1.53	1.31	1.12	1.04	1.07	.94
23	1.42	5.45	7.12	4.21	8.56	3.19	1.45	1.28	1.12	1.04	1.06	.91
24	2.57	7.98	8.12	3.63	8.18	5.04	1.40	1.30	1.30	1.02	1.04	.89
25	4.34	8.67	8.21	3.81	7.93	5.66	1.36	1.30	1.45	1.00	1.01	.87
26	4.05	9.15	7.91	3.96	8.36	4.63	1.33	1.28	1.38	.99	.97	.85
27	2.79	8.79	7.30	3.72	8.90	3.53	1.30	1.27	1.30	1.00	1.02	.84
28	2.04	8.35	5.27	3.40	9.37	3.07	1.27	1.25	1.23	.99	1.09	.82
29	1.65	7.90	3.97	3.23	---	2.69	1.27	1.25	1.20	.97	1.03	.81
30	1.88	6.71	3.50	3.08	---	2.46	1.23	1.24	1.20	.96	1.00	.79
31	1.59	---	3.23	2.87	---	2.32	---	1.23	---	.96	.99	---
MAX	4.34	9.15	8.21	7.87	9.37	9.21	2.26	1.95	3.11	1.19	2.00	1.04
MIN	.98	1.37	2.25	2.87	2.76	2.32	1.23	1.23	1.05	.96	.93	.79

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: March 1981 to December 1982.

SUSPENDED-SEDIMENT DISCHARGE: March 1981 to December 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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)
OCT 21...	1645	85	6.30	18.0	60	13	7.4	1.6	34
DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	
OCT 21...	28	15	3.7	1.4	6.4	2.8	14	15	
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	
OCT 21...	9.7	<0.1	5.4	66	53	0.05	0.85	0.13	

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

RED RIVER BASIN

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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, 20.25 ft Jan. 1, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.16 ft Mar. 4; minimum, 8.90 ft Sept. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.61	10.39	15.48	13.23	12.06	17.50	12.08	9.97	9.64	9.72	9.28	9.06
2	9.59	10.38	15.45	13.07	12.04	17.86	11.97	9.92	9.63	9.74	9.27	9.03
3	9.57	10.37	15.27	12.93	11.98	18.04	11.88	9.89	9.61	9.74	9.25	9.01
4	9.55	10.33	15.03	13.07	11.90	18.15	11.74	9.87	9.59	9.71	9.23	8.99
5	9.54	10.41	14.74	13.06	11.82	18.14	11.63	9.85	9.56	9.69	9.22	8.98
6	9.55	10.38	14.45	13.04	11.79	18.01	11.53	9.83	9.52	9.66	9.20	8.97
7	9.51	10.40	14.16	13.03	11.83	17.80	11.42	9.80	9.48	9.66	9.24	8.95
8	9.50	10.56	13.89	13.01	11.86	17.58	11.32	9.78	9.46	9.64	9.25	8.94
9	9.73	10.91	13.70	12.96	11.91	17.27	11.23	9.76	9.43	9.63	9.23	8.92
10	9.72	11.15	13.51	12.96	11.97	16.92	11.14	9.75	9.42	9.67	9.21	8.91
11	9.68	11.30	13.30	12.90	12.04	16.57	11.05	9.73	9.40	9.64	9.33	9.01
12	9.83	11.41	13.11	12.83	12.11	16.19	10.97	9.77	9.40	9.62	9.33	9.01
13	10.01	11.53	12.93	12.78	12.12	15.79	10.89	9.77	9.42	9.61	9.33	9.00
14	10.01	11.56	12.78	12.72	12.09	15.38	10.88	9.77	9.46	9.59	9.31	9.00
15	10.03	11.66	12.71	12.65	12.22	14.94	10.81	9.77	9.46	9.55	9.29	8.98
16	10.01	11.88	12.89	12.56	12.51	14.54	10.73	9.77	9.49	9.52	9.27	8.97
17	10.00	12.05	13.00	12.45	12.70	14.12	10.68	9.80	9.51	9.56	9.25	9.01
18	9.99	12.15	13.13	12.51	12.76	13.99	10.63	9.79	9.55	9.53	9.23	9.01
19	9.96	12.18	13.37	12.49	12.78	13.77	10.57	9.77	9.57	9.51	9.22	9.07
20	9.93	12.21	13.47	12.49	12.85	13.57	10.52	9.74	9.60	9.49	9.19	9.06
21	9.90	12.14	13.50	12.51	13.35	13.38	10.47	9.73	9.64	9.46	9.17	9.05
22	9.85	12.10	13.46	12.57	13.78	13.20	10.42	9.72	9.68	9.43	9.16	9.05
23	9.89	12.10	13.61	12.54	14.22	13.01	10.36	9.69	9.69	9.41	9.15	9.02
24	10.15	12.54	13.75	12.50	14.55	13.09	10.31	9.71	9.74	9.39	9.11	9.00
25	10.23	13.04	13.84	12.59	14.81	13.02	10.25	9.71	9.73	9.36	9.09	8.99
26	10.28	13.49	13.88	12.52	15.16	12.92	10.20	9.69	9.75	9.34	9.07	8.98
27	10.34	13.86	13.87	12.47	16.01	12.81	10.15	9.69	9.73	9.32	9.05	8.97
28	10.36	14.26	13.80	12.44	16.87	12.66	10.11	9.67	9.70	9.30	9.10	8.96
29	10.38	14.87	13.70	12.36	---	12.54	10.05	9.67	9.69	9.31	9.08	8.97
30	10.39	15.32	13.56	12.29	---	12.39	10.01	9.66	9.67	9.29	9.07	8.96
31	10.39	---	13.40	12.19	---	12.22	---	9.66	---	9.27	9.08	---
MAX	10.39	15.32	15.48	13.23	16.87	18.15	12.08	9.97	9.75	9.74	9.33	9.07
MIN	9.50	10.33	12.71	12.19	11.79	12.22	10.01	9.66	9.40	9.27	9.05	8.91

07353520 NANTACHIE LAKE NEAR ALOHA, LA

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

DRAINAGE AREA.--80.4 mi².

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.46 ft Feb. 27; minimum, 2.63 ft Oct. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.65	3.13	3.60	3.40	3.34	4.90	3.30	3.07	3.31	3.22	2.96	3.05
2	2.64	3.12	3.51	3.37	3.37	4.45	3.29	3.06	3.26	3.30	2.95	3.04
3	2.65	3.11	3.45	3.33	3.41	4.17	3.30	3.10	3.23	3.25	2.94	3.02
4	2.67	3.10	3.39	3.60	3.46	3.97	3.28	3.17	3.20	3.23	2.92	3.01
5	2.67	3.18	3.35	3.69	3.44	3.81	3.27	3.17	3.17	3.20	2.90	3.00
6	2.68	3.17	3.31	3.72	3.43	3.70	3.27	3.17	3.14	3.17	2.89	2.99
7	2.66	3.19	3.28	3.68	3.51	3.61	3.26	3.16	3.12	3.55	2.89	2.97
8	2.64	3.25	3.26	3.60	3.55	3.65	3.25	3.16	3.10	3.46	2.88	2.97
9	2.68	3.29	3.26	3.51	3.57	3.69	3.25	3.16	3.08	3.37	2.89	2.95
10	2.68	3.29	3.31	3.48	3.53	3.70	3.24	3.23	3.07	3.31	2.94	2.93
11	2.67	3.26	3.34	3.45	3.47	3.66	3.23	3.22	3.07	3.26	3.08	2.94
12	2.69	3.22	3.36	3.43	3.43	3.61	3.22	3.20	3.06	3.22	3.45	2.96
13	2.87	3.20	3.36	3.40	3.39	3.54	3.22	3.33	3.14	3.19	3.44	2.95
14	2.96	3.15	3.33	3.38	3.36	3.49	3.23	3.30	3.17	3.17	3.36	2.95
15	2.98	3.14	3.32	3.36	3.33	3.44	3.21	3.26	3.15	3.14	3.29	2.94
16	2.98	3.13	3.55	3.34	3.76	3.41	3.20	3.23	3.14	3.11	3.24	2.93
17	2.98	3.13	3.64	3.33	3.80	3.37	3.20	3.28	3.12	3.10	3.19	3.00
18	2.97	3.13	3.67	3.59	3.80	3.65	3.19	3.27	3.23	3.08	3.17	3.09
19	2.97	3.13	3.79	3.72	3.74	3.62	3.19	3.24	3.30	3.07	3.15	3.34
20	2.96	3.13	3.79	3.73	3.67	3.57	3.18	3.21	3.27	3.06	3.12	3.32
21	2.96	3.12	3.76	3.68	3.92	3.50	3.18	3.19	3.23	3.04	3.11	3.26
22	2.95	3.13	3.69	3.58	3.98	3.43	3.17	3.17	3.19	3.04	3.09	3.22
23	2.96	3.28	3.90	3.48	4.03	3.37	3.15	3.17	3.17	3.05	3.07	3.18
24	3.08	3.63	4.07	3.42	4.00	3.50	3.15	3.27	3.25	3.04	3.06	3.15
25	3.20	4.15	4.05	3.41	4.01	3.53	3.13	3.36	3.46	3.03	3.04	3.13
26	3.23	4.48	3.97	3.42	4.28	3.54	3.12	3.49	3.53	3.02	3.02	3.11
27	3.22	4.27	3.84	3.51	5.39	3.48	3.11	3.42	3.46	3.00	3.01	3.10
28	3.20	4.07	3.70	3.53	5.35	3.42	3.10	3.34	3.36	2.99	3.06	3.09
29	3.18	3.89	3.59	3.48	---	3.39	3.09	3.29	3.29	2.98	3.06	3.13
30	3.16	3.72	3.51	3.43	---	3.37	3.08	3.26	3.24	2.96	3.07	3.15
31	3.14	---	3.45	3.38	---	3.33	---	3.33	---	2.96	3.06	---
MAX	3.23	4.48	4.07	3.73	5.39	4.90	3.30	3.49	3.53	3.55	3.45	3.34
MIN	2.64	3.10	3.26	3.33	3.33	3.33	3.08	3.06	3.06	2.96	2.88	2.93

07354100 KISATCHIE BAYOU AT LOTUS, LA

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

DRAINAGE AREA.--140 mi².

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

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

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

REMARKS.--Estimated daily discharges: July 20-22, 26, Aug. 4-5, Sept. 8-10. Records good, except those for the periods of estimated record, which are fair.

AVERAGE DISCHARGE.--7 years, 194 ft³/s, 18.82 in/yr, 140,600 acre-ft/yr.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 24	2000	6,660	16.17	Feb. 26	2100	*8,360	*16.55

Minimum discharge, 8.7 ft³/s Aug. 27, gage height, 2.62 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	24	158	121	84	796	115	28	52	19	31	35
2	16	22	137	111	187	425	106	27	33	42	16	23
3	16	21	120	356	202	328	111	31	28	29	12	17
4	14	22	106	909	130	270	105	141	25	20	9.6	14
5	14	66	94	318	105	232	93	99	24	17	10	12
6	35	82	85	206	105	210	88	57	22	15	13	11
7	62	324	80	167	165	195	84	54	20	14	26	10
8	35	240	79	149	177	626	78	45	19	14	23	9.6
9	56	146	87	139	123	529	74	61	18	18	19	9.2
10	50	134	233	162	92	276	70	182	19	40	169	9.0
11	30	89	258	147	80	210	68	123	20	30	369	11
12	77	61	181	119	78	195	66	103	23	21	149	15
13	401	48	133	109	73	174	65	548	37	17	51	15
14	240	39	106	113	72	160	84	244	69	15	30	13
15	106	35	459	121	689	153	95	143	58	14	22	11
16	60	34	1130	118	727	148	66	94	33	12	18	27
17	41	34	376	252	241	453	56	139	72	12	15	162
18	32	34	702	1380	159	635	52	103	241	12	13	91
19	26	32	1150	479	130	260	48	61	68	11	12	323
20	22	31	388	249	680	181	45	47	37	10	11	189
21	20	33	237	182	1520	155	42	40	28	9.8	11	62
22	18	34	206	158	594	141	39	36	24	11	10	35
23	24	655	2080	138	438	156	38	39	21	14	10	24
24	363	5490	926	129	430	440	37	33	24	17	9.6	19
25	312	6020	366	139	704	239	35	32	31	12	9.2	16
26	123	1710	245	140	5110	157	34	34	24	10	8.9	14
27	70	439	191	120	5140	135	33	30	19	17	10	13
28	49	285	164	109	1780	124	31	28	17	21	232	12
29	38	216	149	106	---	115	30	27	15	13	60	12
30	32	179	138	100	---	129	29	32	15	11	120	11
31	27	---	129	88	---	133	---	43	---	39	81	---
TOTAL	2431	16579	10893	7134	20015	8380	1917	2704	1136	556.8	1580.3	1224.8
MEAN	78.4	553	351	230	715	270	63.9	87.2	37.9	18.0	51.0	40.8
MAX	401	6020	2080	1380	5140	796	115	548	241	42	369	323
MIN	14	21	79	88	72	115	29	27	15	9.8	8.9	9.0
CFSM	.56	3.95	2.51	1.64	5.11	1.93	.46	.62	.27	.13	.36	.29
IN.	.65	4.41	2.89	1.90	5.32	2.23	.51	.72	.30	.15	.42	.33
AC-FT	4820	32880	21610	14150	39700	16620	3800	5360	2250	1100	3130	2430

CAL YR 1986	TOTAL 52367.5	MEAN 143	MAX 6020	MIN 8.1	CFSM 1.02	IN. 13.91	AC-FT 103900
WTR YR 1987	TOTAL 74550.9	MEAN 204	MAX 6020	MIN 8.9	CFSM 1.46	IN. 19.81	AC-FT 147900

RED RIVER BASIN

07354100 KISATCHIE BAYOU AT LOTUS, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	3.15	5.69	5.17	4.65	9.78	5.08	3.42	4.04	3.08	3.50	3.63
2	2.83	3.09	5.39	5.02	5.84	7.92	4.95	3.40	3.59	3.82	2.99	3.25
3	2.83	3.05	5.14	6.64	6.09	7.23	5.02	3.50	3.42	3.46	2.78	3.02
4	2.74	3.09	4.95	10.17	5.29	6.77	4.94	5.41	3.35	3.14	---	2.87
5	2.74	4.03	4.79	7.14	4.94	6.46	4.78	4.85	3.30	2.99	---	2.79
6	3.31	4.38	4.67	6.21	4.94	6.25	4.70	4.16	3.22	2.92	2.84	2.74
7	3.94	6.75	4.58	5.81	5.72	6.11	4.65	4.09	3.15	2.89	3.31	2.71
8	3.35	6.44	4.57	5.56	5.87	8.89	4.57	3.89	3.10	2.89	3.24	---
9	3.82	5.34	4.70	5.42	5.18	8.50	4.50	4.15	3.06	3.06	3.08	---
10	3.70	5.17	6.39	5.75	4.77	6.81	4.43	5.92	3.11	3.77	4.96	---
11	3.24	4.53	6.67	5.53	4.59	6.26	4.39	5.19	3.16	3.48	7.41	2.76
12	3.96	4.07	5.95	5.13	4.56	6.11	4.34	4.92	3.24	3.18	5.46	2.94
13	7.79	3.83	5.33	4.99	4.48	5.90	4.32	8.59	3.66	2.99	4.03	2.94
14	6.35	3.64	4.96	5.04	4.46	5.72	4.63	6.54	4.40	2.93	3.50	2.82
15	4.65	3.54	7.05	5.16	8.09	5.62	4.80	5.48	4.17	2.86	3.22	2.75
16	3.91	3.51	10.86	5.12	9.37	5.55	4.33	4.78	3.57	2.81	3.04	3.29
17	3.52	3.54	7.56	6.12	6.51	7.40	4.15	5.41	4.30	2.81	2.92	5.64
18	3.28	3.54	8.66	11.71	5.70	8.99	4.06	4.91	6.27	2.79	2.83	4.64
19	3.13	3.51	10.93	8.21	5.29	6.68	3.97	4.24	4.34	2.75	2.78	7.06
20	3.02	3.47	7.64	6.59	7.85	5.97	3.89	3.94	3.70	---	2.74	5.85
21	2.94	3.53	6.50	5.97	11.85	5.65	3.81	3.77	3.41	---	2.72	4.25
22	2.90	3.54	6.19	5.69	8.91	5.44	3.76	3.66	3.28	---	2.71	3.63
23	3.07	7.15	12.87	5.41	7.97	5.61	3.71	3.74	3.19	2.89	2.69	3.29
24	6.94	15.79	10.19	5.28	7.78	7.99	3.68	3.57	3.28	2.99	2.67	3.09
25	6.99	15.99	7.50	5.42	9.41	6.41	3.63	3.53	3.53	2.78	2.65	2.97
26	4.92	11.85	6.56	5.43	14.11	5.65	3.60	3.61	3.28	---	2.63	2.89
27	4.12	7.99	6.07	5.15	15.07	5.37	3.57	3.48	3.08	2.99	2.70	2.83
28	3.72	6.89	5.78	4.99	12.58	5.20	3.53	3.42	2.99	3.17	6.20	2.79
29	3.48	6.31	5.57	4.95	---	5.07	3.49	3.40	2.93	2.85	4.19	2.78
30	3.33	5.95	5.41	4.87	---	5.28	3.46	3.55	2.93	2.74	4.97	2.76
31	3.23	---	5.28	4.71	---	5.33	---	3.80	---	3.62	4.56	---
MAX	7.79	15.99	12.87	11.71	15.07	9.78	5.08	8.59	6.27	3.82	7.41	7.06
MIN	2.74	3.05	4.57	4.71	4.46	5.07	3.46	3.40	2.93	---	---	---

RED RIVER BASIN

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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 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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 21...	1300	1380	7.70	19.5	--	--	7.3	31	1.2	480
NOV 13...	0800	794	7.61	14.0	50	85	10.2	23	3.0	1800
DEC 04...	0900	397	7.40	11.0	40	80	9.0	--	1.5	1400
JAN 13...	0830	547	7.20	8.0	50	55	10.5	87	2.0	720
FEB 03...	0815	639	7.40	12.0	50	75	10.2	140	1.5	2400
MAR 04...	0745	434	7.80	12.0	70	130	9.4	58	2.4	560
APR 27...	1930	658	8.00	24.5	15	25	8.8	29	3.8	K140
MAY 27...	0845	970	7.90	28.0	20	30	7.2	39	2.5	270
JUN 11...	0815	1170	7.80	26.0	20	100	6.7	70	1.4	K600
JUL 29...	0845	1080	8.00	30.5	15	100	7.4	58	2.5	92
AUG 13...	0830	1000	8.00	29.0	15	43	7.6	28	3.2	420
27...	1130	1180	7.90	31.0	15	16	7.6	50	2.9	K35

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 21...	120	200	270	72	21	160	4.7	109	170	270
NOV 13...	220	260	160	44	12	87	4.2	74	87	140
DEC 04...	180	340	110	31	7.0	35	3.4	64	87	55
JAN 13...	K60	52	130	34	10	53	3.5	66	60	86
FEB 03...	K18	110	100	22	11	61	3.4	79	76	100
MAR 04...	K22	200	110	30	8.0	37	2.7	57	46	60
APR 27...	<2	K28	190	50	16	57	2.5	128	76	90
MAY 27...	130	160	270	70	24	100	4.4	175	100	140
JUN 11...	K30	K130	270	70	24	140	5.4	122	140	200
JUL 29...	230	K36	270	69	23	110	5.3	148	140	160
AUG 13...	K10	K100	270	69	21	100	5.3	160	120	140
27...	<2	K20	300	80	24	120	5.9	203	150	170

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

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

RED RIVER BASIN

07355130 RED RIVER AT BOYCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 21...	779	546	0.01	0.22	1.0	1.2	0.31	0.02	7.3
NOV 13...	433	236	0.02	0.24	0.68	0.92	0.29	0.08	9.1
DEC 04...	225	235	0.06	0.23	1.2	1.4	0.40	0.21	—
JAN 13...	315	58	0.02	0.22	0.67	0.89	0.08	0.07	4.0
FEB 03...	363	266	0.02	0.25	0.63	0.88	0.21	0.06	5.5
MAR 04...	249	360	0.04	0.11	0.96	1.1	0.26	0.14	5.5
APR 27...	363	76	<0.01	<0.02	1.2	—	0.18	0.05	7.0
MAY 27...	551	60	0.01	0.03	0.70	0.73	0.12	0.06	6.8
JUN 11...	712	305	0.02	0.32	0.77	1.1	0.25	0.04	5.8
JUL 29...	594	238	0.01	<0.02	1.0	—	0.21	0.07	5.8
AUG 13...	572	110	0.01	<0.02	0.75	—	0.17	0.05	8.2
27...	678	67	0.01	<0.02	0.85	—	0.15	0.07	6.8

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 21...	2	<10	<1	10	15	8800	8	340
JAN 13...	2	<10	2	<10	10	2800	20	120
APR 27...	1	<10	1	<10	10	1600	15	190
JUL 29...	3	<10	<1	<10	9	3600	<5	270

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 21...	<0.1	15	<1	40	<0.01	3	5
JAN 13...	<0.1	7	<1	10	<0.02	12	3
APR 27...	<0.1	10	<1	20	<0.02	1	2
JUL 29...	<0.1	3	<1	30	<0.02	1	3

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

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.

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 1986 TO SEPTEMBER 1987

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/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)
OCT 21...	1030	41000	1410	7.70	20.0	10	210	7.1	0.8	110
JAN 14...	1400	37600	506	7.50	8.5	50	100	10.4	1.4	K12
APR 30...	1745	12900	749	7.64	24.5	15	55	7.9	2.7	K4
JUL 28...	1630	13200	1020	7.60	31.5	15	130	7.5	3.3	180

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 21...	K76	270	73	22	170	4.6	106	170	260	0.3
JAN 14...	54	120	35	8.7	51	2.8	74	59	73	0.1
APR 30...	70	200	53	16	69	3.6	125	89	100	0.2
JUL 28...	180	270	72	22	99	4.6	138	130	150	0.3

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 21...	3.8	783	770	0.26	0.05	0.04	0.70	0.25	0.02	0.02
JAN 14...	8.0	290	280	0.21	0.08	0.03	1.2	0.12	0.03	0.01
APR 30...	3.2	414	410	<0.10	0.06	0.03	1.6	0.09	0.02	0.01
JUL 28...	7.0	594	570	<0.10	<0.01	0.02	0.50	0.03	0.01	<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).

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 21...	20	<1	220	<0.5	<1	<1	<3	3	6	6
JAN 14...	30	1	84	<0.5	<1	<1	<3	4	67	<5
APR 30...	<10	<1	130	<0.5	<1	<1	<3	3	12	13
JUL 28...	<10	2	160	<0.5	<1	<1	<3	5	6	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 21...	17	1	<0.1	<10	4	<1	<1	740	<6	5
JAN 14...	11	23	0.2	<10	1	<1	<1	320	<6	14
APR 30...	9	12	<0.1	<10	1	<1	<1	500	<6	9
JUL 28...	11	3	<0.1	<10	1	<1	<1	700	<6	4

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 21...	3.2	<0.4	9.1	<0.4	6.1	<0.4	0.21	1.8
APR 30...	2.0	<0.4	6.4	0.4	4.8	0.4	0.11	1.3

DATE	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	1230	136000	78
JAN 14...	1490	151000	55
APR 30...	260	9060	70
JUL 28...	395	14100	70

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

RED RIVER BASIN

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07355510 RED RIVER NEAR ALEXANDRIA, LA

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

DRAINAGE AREA.--67,500 mi², approximately, of which 5936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1983 to September 1984, October 1985 to September 1987 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 21...	1300	1400	7.70	20.0	10	250	7.8	34	1.1	600
NOV 12...	1400	816	7.95	16.0	50	130	7.7	29	—	1200
DEC 03...	1345	480	7.61	12.0	60	150	9.1	—	2.9	2000
JAN 15...	1030	458	7.60	10.5	50	100	11.0	56	1.2	K70
FEB 02...	1430	602	7.30	14.0	50	90	10.3	77	1.8	1300
MAR 03...	1230	438	7.60	13.0	60	130	9.3	68	3.5	1200
APR 27...	1345	599	8.00	25.5	15	35	8.3	31	2.1	K180
MAY 26...	1600	983	7.90	29.0	15	60	7.7	25	3.5	K600
JUN 10...	1215	1080	7.70	26.5	20	100	6.6	130	0.9	780
JUL 28...	1430	1040	7.80	31.5	10	65	7.7	49	3.0	160
AUG 12...	1030	953	7.70	30.0	20	72	7.3	62	3.0	K1600
26...	1600	1090	7.90	31.5	15	20	7.4	31	3.7	K25

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	RIDE, DISSOLVED (MG/L AS Cl)
OCT 21...	100	180	260	71	21	160	4.9	117	140	240
NOV 12...	280	300	170	44	14	91	4.2	71	96	150
DEC 03...	—	2700	120	34	8.5	45	3.4	64	55	73
JAN 15...	240	560	110	31	9.0	45	3.2	83	52	64
FEB 02...	K20	56	150	41	11	57	3.4	71	75	91
MAR 03...	96	200	110	29	8.0	37	2.3	53	48	59
APR 27...	K4	K28	170	46	14	51	3.5	130	70	79
MAY 26...	220	240	260	69	22	100	4.5	169	100	170
JUN 10...	K30	280	260	68	22	120	5.0	117	150	130
JUL 28...	120	160	270	68	24	100	5.6	126	140	140
AUG 12...	K30	680	240	62	21	100	5.0	138	110	130
26...	K30	K10	290	77	24	110	5.4	—	140	160

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

RED RIVER BASIN

07355510 RED RIVER NEAR ALEXANDRIA, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 21...	775	652	0.01	0.24	1.4	1.6	0.44	0.02	8.1
NOV 12...	433	462	0.02	0.25	1.0	1.2	0.39	0.08	11
DEC 03...	275	124	0.05	0.22	1.2	1.4	0.40	0.18	12
JAN 15...	257	219	0.02	0.21	1.1	1.3	0.12	0.10	6.0
FEB 02...	350	376	0.02	0.24	0.72	0.96	0.21	0.07	5.5
MAR 03...	233	410	0.04	0.10	0.87	0.97	0.25	0.15	7.5
APR 27...	325	54	<0.01	<0.02	0.90	—	0.23	0.04	7.2
MAY 26...	548	107	0.02	0.07	0.85	0.92	0.16	0.07	6.8
JUN 10...	648	546	0.02	0.37	1.3	1.7	0.46	0.04	5.5
JUL 28...	583	114	0.01	0.03	0.67	0.70	0.22	0.07	2.8
AUG 12...	531	229	0.02	0.05	0.75	0.80	0.25	0.09	8.0
26...	615	59	0.02	0.03	0.26	0.29	0.08	0.06	7.2

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 21...	3	<10	<1	20	16	12000	8	600
JAN 15...	4	<10	3	<10	20	5300	10	150
APR 27...	2	<10	<1	<10	8	1800	8	210
JUL 28...	2	<10	<1	<10	8	2100	<5	100

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 21...	0.2	16	1	100	<0.01	2	3
JAN 15...	<0.1	5	<1	20	<0.02	<1	2
APR 27...	—	10	<1	<10	<0.02	2	5
JUL 28...	<0.1	1	<1	20	<0.02	2	<1

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

RED RIVER BASIN

105

07355510 RED RIVER NEAR ALEXANDRIA, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
DEC 03...	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001
FEB 02...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 27...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 28...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01
AUG 26...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
DEC 03...	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01
FEB 02...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 27...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 28...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01
AUG 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.04

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 03...	<0.01	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01
FEB 02...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	0.1	<0.1	0.6
APR 27...	<0.01	<0.01	<0.01	<0.5	<0.01	0.3	<0.1	<0.1	<0.1
JUL 28...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	2.4	<0.1	<0.1
AUG 26...	<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.

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 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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 21...	1145	1380	7.90	20.0	15	300	8.5	37	1.7	K900
NOV 12...	1310	814	7.87	16.0	40	150	7.6	28	--	1500
DEC 03...	1245	532	7.30	11.5	30	190	8.8	—	1.8	4400
JAN 12...	1600	570	7.20	10.0	50	75	11.5	44	2.6	940
FEB 02...	1300	565	7.50	13.5	50	100	10.2	40	1.8	1500
MAR 03...	1130	433	7.60	13.0	60	150	9.2	81	3.1	480
APR 27...	1230	670	7.90	24.5	15	30	8.2	32	2.4	K140
MAY 26...	1330	1030	7.80	29.0	15	7.7	7.3	24	2.3	K140
JUN 10...	1115	1030	7.70	26.5	30	88	6.5	130	0.8	K700
JUL 28...	1230	993	7.80	31.5	15	100	7.2	58	2.5	K160
AUG 12...	0900	1010	7.90	30.0	15	44	7.4	46	3.3	480
26...	1500	1050	7.80	30.0	10	37	7.0	30	1.4	K25

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 21...	K80	130	280	74	24	160	4.8	118	160	260
NOV 12...	140	360	170	46	14	91	4.3	73	99	150
DEC 03...	—	620	130	39	9.0	52	4.2	66	57	90
JAN 12...	78	88	140	37	11	56	3.6	73	69	90
FEB 02...	K30	48	130	37	10	53	3.2	69	70	82
MAR 03...	K64	220	110	29	8.0	36	2.7	56	45	59
APR 27...	<2	K22	190	48	16	60	3.7	118	79	94
MAY 26...	K60	<5	280	74	24	100	4.7	174	110	140
JUN 10...	K35	140	240	63	20	110	4.6	118	130	170
JUL 28...	140	K140	250	65	22	100	5.3	136	130	140
AUG 12...	K12	320	250	64	23	110	5.1	142	130	150
26...	K2	K4	230	60	20	110	5.2	163	120	150

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

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

RED RIVER BASIN

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07355600 RED RIVER AT MONCLA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 21...	758	874	0.02	0.26	1.7	2.0	0.63	0.02	7.5
NOV 12...	448	372	0.03	0.27	1.1	1.4	0.40	0.11	8.5
DEC 03...	306	275	0.08	0.24	1.2	1.4	0.42	0.24	—
JAN 12...	341	43	0.02	0.22	0.92	1.1	0.11	0.08	9.0
FEB 02...	309	349	0.02	0.24	0.71	0.95	0.21	0.06	6.5
MAR 03...	234	401	0.05	0.10	0.92	1.0	0.28	0.17	7.5
APR 27...	366	155	<0.01	<0.02	0.87	—	0.24	0.04	8.8
MAY 26...	539	26	<0.01	<0.02	0.80	—	0.08	0.05	6.0
JUN 10...	598	1090	0.02	0.39	1.3	1.7	0.49	0.05	5.5
JUL 28...	566	138	0.01	0.13	0.63	0.76	0.20	0.06	2.8
AUG 12...	560	80	0.01	0.02	0.62	0.64	0.16	0.06	6.1
26...	609	76	<0.01	<0.02	0.70	—	0.16	0.10	6.8

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOVER- ABLE (UG/L AS BE)	CADMIUM TOTAL RECOVER- ABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOVER- ABLE (UG/L AS CR)	COPPER, TOTAL RECOVER- ABLE (UG/L AS CU)	IRON, TOTAL RECOVER- ABLE (UG/L AS FE)	LEAD, TOTAL RECOVER- ABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOVER- ABLE (UG/L AS MN)
OCT 21...	5	<10	<1	20	23	16000	12	750
JAN 12...	4	<10	2	10	10	5500	20	140
APR 27...	1	<10	3	<10	10	1400	10	150
JUL 28...	3	<10	<1	<10	9	3000	5	100

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
OCT 21...	<0.1	30	<1	60	<0.01	2	3
JAN 12...	<0.1	10	<1	20	<0.02	2	2
APR 27...	0.2	7	<1	10	<0.02	<1	—
JUL 28...	0.1	3	<1	10	<0.02	2	3

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

073556005 RED RIVER (AT LOCK AND DAM 1) NEAR VICK, LA

LOCATION.--Lat 31°15'00", long 91°56'17", in 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 (discontinued).

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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 21...	1015	1370	7.70	19.5	5	300	7.9	37	2.9	1600
NOV 12...	1220	879	7.62	16.5	40	180	7.7	31	--	1200
DEC 03...	1130	571	7.50	12.0	30	180	8.7	--	2.4	3500
JAN 12...	1245	574	7.30	8.5	50	75	10.6	32	1.9	790
FEB 02...	1130	545	7.50	13.5	60	90	10.1	58	1.9	2400
MAR 03...	1040	431	7.70	13.0	60	160	9.0	91	1.6	680
APR 27...	1130	702	8.10	24.0	10	40	8.2	35	1.8	K110
MAY 26...	1045	993	7.80	28.5	20	7.5	6.7	25	2.4	500
JUN 10...	1030	994	7.70	26.5	20	87	6.3	120	0.9	K380
JUL 28...	1000	967	7.90	31.0	10	90	7.2	42	3.8	130
AUG 12...	0800	1050	7.70	30.0	20	35	8.5	35	2.7	K40
26...	1310	1080	7.90	32.0	15	14	7.4	14	1.8	K30

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 21...	K50	780	280	74	24	160	4.7	120	160	260
NOV 12...	120	320	160	46	12	97	4.5	75	110	170
DEC 03...	--	640	130	34	10	58	3.3	68	63	94
JAN 12...	K4	70	140	38	11	55	3.6	66	72	88
FEB 02...	K28	K60	130	37	10	51	3.0	69	66	82
MAR 03...	84	220	110	30	8.5	38	2.6	62	46	59
APR 27...	<2	K32	190	51	16	66	3.7	66	88	95
MAY 26...	K50	380	280	74	24	100	4.8	177	120	140
JUN 10...	K250	380	240	62	20	110	4.7	120	110	160
JUL 28...	K80	140	260	66	23	100	5.6	139	140	140
AUG 12...	K10	K40	270	67	24	120	5.3	134	130	150
26...	<2	K4	270	70	22	120	5.5	167	130	160

< 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

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073556005 RED RIVER (AT LOCK AND DAM 1) NEAR VICK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 21...	766	740	0.02	0.24	1.5	1.7	0.61	0.02	17
NOV 12...	480	472	0.01	0.24	1.5	1.7	0.41	0.06	8.9
DEC 03...	327	261	0.05	0.22	1.1	1.3	0.66	0.15	9.0
JAN 12...	321	102	0.02	0.24	0.76	1.0	0.09	0.07	4.0
FEB 02...	322	419	0.02	0.24	0.83	1.1	0.23	0.07	5.0
MAR 03...	234	696	0.04	0.11	1.1	1.2	0.35	0.14	10
APR 27...	390	74	<0.01	<0.02	1.2	—	0.15	0.04	8.2
MAY 26...	592	33	<0.01	<0.01	0.53	—	0.10	0.05	6.0
JUN 10...	586	563	0.02	0.45	1.2	1.7	0.42	0.07	5.5
JUL 28...	561	118	0.01	0.13	0.38	0.51	0.16	0.06	2.5
AUG 12...	596	65	0.01	0.02	0.58	0.60	0.12	0.06	5.5
26...	625	41	0.01	<0.01	0.70	—	0.16	0.10	6.5

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 21...	4	<10	<1	30	25	17000	11	670
JAN 12...	2	<10	2	<10	9	3600	8	80
APR 27...	1	<10	<1	<10	8	1500	<5	170
JUL 28...	3	<10	<1	<10	8	2200	<5	90

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 21...	<0.1	32	<1	60	<0.01	<1	3
JAN 12...	0.6	7	<1	10	<0.02	8	3
APR 27...	<0.1	6	<1	10	<0.02	3	7
JUL 28...	0.3	<1	<1	<10	<0.02	2	3

< 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 to September 1987 (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 during period June to September 1987, 36.01 ft June 18; minimum, 34.98 ft, Aug. 6.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	35.63	35.15	35.31
2									---	35.60	35.12	35.29
3									---	35.62	35.11	35.28
4									---	35.58	35.10	35.25
5									---	35.57	35.09	35.24
6									---	35.53	35.11	35.23
7									---	35.49	35.18	35.19
8									---	35.55	35.21	35.18
9									---	35.49	35.26	35.17
10									---	35.46	35.30	35.17
11									---	35.49	35.38	35.23
12									---	35.46	35.43	35.27
13									---	35.42	35.49	35.25
14									---	35.38	35.49	35.26
15									---	35.43	35.48	35.24
16									---	35.46	35.45	35.22
17									---	35.42	35.42	35.22
18									---	35.38	35.41	35.32
19									35.96	35.35	35.45	35.36
20									35.95	35.32	35.43	35.36
21									35.91	35.29	35.40	35.33
22									35.89	35.25	35.40	35.35
23									35.86	35.18	35.37	35.30
24									35.82	35.28	35.36	35.26
25									35.80	35.30	35.33	35.23
26									35.84	35.30	35.30	35.22
27									35.82	35.28	35.29	35.21
28									35.81	35.23	35.29	35.20
29									35.76	35.22	35.28	35.19
30									35.68	35.17	35.26	35.23
31									---	35.14	35.30	---
MAX									---	35.63	35.49	35.36
MIN									---	35.14	35.09	35.17

RED RIVER BASIN

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07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE 1/4 NE 1/4 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft below lock and dam No. 6, 1.6 mi north of Arkansas-Louisiana State line, 3.5 mi downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi².

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft stage only). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

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

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Haile (station 07364103) was used as auxiliary gage for this station.

REMARKS.--Estimated daily discharge: Oct. 1-11. Records poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft³/s Sept. 13, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1912, 44.2 ft Apr. 11, 12, 1945; minimum, -0.3 ft Nov. 11, 1916; minimum since 1928, 5.8 ft Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 31.21 ft Mar. 13; minimum daily discharge, 747 ft³/s June 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1350	4060			12300			1400	3290	1060	1420	925
2	1200	2970			12700			1460	2210	982	1880	1050
3	1300	1880						1460	2000	1190	1650	891
4	1100	2220						3250	2000	1340	1570	885
5	1500	4110						4390	2160	1090	1360	878
6	1000	4270						4630	1570	1460	1520	983
7	1200	6930						4230	1810	1070	1270	1020
8	1500	10800						4210	1010	884	1430	1090
9	1900	14400						5340	966	1170	1220	1200
10	2000							5870	961	1010	1270	1170
11	2500							6070	809	1040	1530	1440
12	4790							3650	874	1040	1380	1240
13	4120							2060	1400	965	1390	1510
14	4170							1500	986	961	1400	1110
15	4040							1270	1660	1100	1460	1200
16	3850							1270	1370	921	1290	1440
17	2200							1380	1560	1160	1170	1570
18	2370							1380	1940	1020	1290	3070
19	1360						7270	1370	1810	821	1330	3890
20	1900						6360	1650	1350	1140	1170	2990
21	770						5370	1910	1570	1170	1110	2410
22	922						4700	1360	1040	1400	1110	1250
23	2770						4150	1330	1240	1390	995	1320
24	6080						4300	1070	1020	1130	976	1660
25	6760						3230	2000	828	1100	1110	1820
26	7530						2170	3830	990	1060	1070	1740
27	8120						1530	5010	747	1120	1120	1450
28	6830						850	6040	830	1200	1490	1580
29	5400						1300	6220	806	1360	1080	1910
30	5360						1280	5850	839	1270	1190	1360
31	5100						---	5070	---	1410	977	---
TOTAL	100992	---			---		---	97530	41646	35034	40228	46052
MEAN	3258	---			---		---	3146	1388	1130	1298	1535
MAX	8120	---			---		---	6220	3290	1460	1880	3890
MIN	770	1880			12300		850	1070	747	821	976	878

RED RIVER BASIN

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--CONTINUED
 GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.33	10.12	24.15	24.57	18.69	26.97	27.73	9.30	11.86	8.89	8.38	7.63
2	8.63	9.39	24.31	23.73	18.76	27.63	27.45	9.37	10.38	8.74	8.72	7.71
3	8.41	8.84	24.37	23.04	19.03	28.23	27.16	9.41	10.06	8.97	8.57	7.53
4	8.64	9.02	24.29	22.55	19.81	28.76	26.85	11.40	10.03	9.08	8.49	7.52
5	8.67	10.16	24.01	22.22	20.37	29.22	26.50	12.85	10.22	8.82	8.25	7.51
6	8.08	10.29	23.59	22.09	20.87	29.64	26.14	13.22	9.58	9.18	8.39	7.64
7	8.92	13.03	23.04	22.11	21.08	30.00	25.74	12.72	9.78	8.73	8.10	7.72
8	8.70	15.92	22.56	22.11	21.15	30.33	25.33	12.78	8.91	8.48	8.23	7.79
9	9.18	18.52	22.19	22.14	21.13	30.62	24.88	14.14	8.83	8.78	8.00	7.96
10	8.69	20.00	22.04	21.98	21.03	30.81	24.41	15.01	8.82	8.59	8.02	7.97
11	9.16	20.77	22.38	21.78	20.83	30.99	23.92	14.55	8.58	8.59	8.35	8.30
12	10.02	20.96	22.77	21.62	20.49	31.13	23.42	12.07	8.73	8.57	8.28	8.12
13	9.52	21.07	23.16	21.45	20.12	31.19	22.89	10.18	9.40	8.46	8.31	8.43
14	9.66	21.17	23.61	21.37	19.62	31.17	22.31	9.42	8.83	8.41	8.28	8.02
15	9.85	21.31	24.11	21.22	19.44	31.05	21.69	9.12	9.68	8.56	8.35	8.08
16	9.70	21.46	24.66	20.89	19.99	30.86	21.11	9.11	9.35	8.33	8.15	8.32
17	8.99	21.59	25.20	20.54	20.73	30.65	20.56	9.25	9.57	8.53	7.97	8.52
18	9.07	21.65	25.65	20.65	21.13	30.44	19.72	9.26	9.94	8.38	8.05	9.95
19	8.53	21.61	26.04	20.75	21.42	30.14	18.84	9.24	9.83	8.09	8.14	10.79
20	8.80	21.42	26.33	20.99	21.76	29.84	17.76	9.65	9.32	8.38	7.95	9.99
21	8.21	20.90	26.52	21.08	22.15	29.58	16.41	9.97	9.58	8.44	7.85	9.43
22	8.30	20.41	26.62	21.24	22.55	29.34	15.12	9.26	8.94	8.65	7.83	8.26
23	9.23	20.45	26.72	21.25	22.94	29.13	13.82	9.21	9.09	8.68	7.70	8.28
24	12.18	21.00	26.80	21.21	23.35	29.02	13.44	8.94	8.86	8.36	7.65	8.70
25	13.12	21.80	26.80	21.08	23.72	28.89	11.90	10.06	8.61	8.29	7.78	8.93
26	13.67	22.32	26.71	20.78	24.26	28.76	10.44	12.14	8.81	8.20	7.77	8.85
27	14.14	22.70	26.55	20.52	25.09	28.62	9.48	13.96	8.51	8.25	7.80	8.53
28	13.26	23.07	26.34	20.14	26.15	28.48	8.68	15.11	8.62	8.31	8.21	8.63
29	11.77	23.46	26.07	19.72	---	28.30	9.16	15.56	8.60	8.47	7.81	9.04
30	11.55	23.84	25.75	19.53	---	28.13	9.19	15.27	8.64	8.35	7.90	8.47
31	11.27	---	25.28	19.04	---	27.95	---	14.30	---	8.44	7.73	---
MAX	14.14	23.84	26.80	24.57	26.15	31.19	27.73	15.56	11.86	9.18	8.72	10.79
MIN	8.08	8.84	22.04	19.04	18.69	26.97	8.68	8.94	8.51	8.09	7.65	7.51

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--No estimated discharges. 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.--30 years, 1,274 ft³/s, 923,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,710 ft³/s Jan. 2, 1983; maximum gage height, 28.45 ft Jan. 5, 1983; minimum discharge, 1.6 ft³/s Aug. 22, 1986, gage height, -0.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,990 ft³/s Mar. 12; maximum gage height, 25.74 ft Mar. 9; minimum discharge, 21 ft³/s Aug. 1, 2, 4, gage height, 0.13 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	107	3520	4130	1480	4040	3870	189	437	356	22	103
2	35	100	3650	4010	1380	4530	3680	166	464	377	23	99
3	33	97	3690	3900	1280	4970	3480	153	451	389	24	97
4	34	98	3700	3820	1200	5310	3250	143	491	387	22	96
5	37	121	3680	3710	1150	5540	3030	134	443	386	34	96
6	36	118	3630	3580	1180	5660	2810	124	399	386	42	95
7	34	122	3540	3460	1280	5780	2650	114	369	383	49	94
8	32	366	3440	3360	1380	5880	2530	113	352	362	55	90
9	31	678	3400	3280	1470	5880	2370	116	343	319	58	86
10	31	830	3380	3180	1550	5960	2220	127	341	267	58	81
11	30	942	3320	3070	1650	5940	2070	156	345	219	56	82
12	36	1030	3270	2980	1750	5900	1910	209	354	179	63	78
13	41	1090	3250	2820	1830	5820	1770	262	383	150	73	72
14	44	1150	3260	2710	1900	5720	1660	306	391	124	100	66
15	47	1170	3290	2580	2000	5600	1510	328	396	109	92	61
16	50	1190	3340	2470	2160	5450	1370	354	407	89	80	59
17	51	1200	3410	2350	2220	5390	1230	389	416	69	68	59
18	48	1210	3500	2290	2240	5390	1090	439	426	62	59	59
19	44	1220	3570	2260	2300	5280	971	469	423	54	52	59
20	41	1260	3630	2210	2380	5190	863	490	413	46	50	57
21	38	1260	3690	2170	2520	5130	775	504	392	39	54	54
22	36	1330	3750	2150	2630	5080	681	513	370	41	65	51
23	36	1520	3870	2150	2720	5100	601	531	345	64	91	51
24	97	1780	3950	2140	2800	5080	526	553	319	87	104	54
25	150	2020	4010	2140	2870	4980	457	563	286	77	105	64
26	150	2300	4070	2100	3020	4840	402	565	258	62	110	79
27	168	2540	4140	2040	3330	4710	351	603	246	54	111	95
28	172	2830	4190	1960	3670	4600	316	630	251	45	109	109
29	156	3130	4200	1840	---	4470	273	628	281	36	108	119
30	135	3360	4190	1730	---	4350	224	534	314	32	106	123
31	117	---	4190	1610	---	4120	---	481	---	27	106	---
TOTAL	2026	36169	113720	84200	57340	161690	48940	10886	11106	5277	2149	2388
MEAN	65.4	1206	3668	2716	2048	5216	1631	351	370	170	69.3	79.6
MAX	172	3360	4200	4130	3670	5960	3870	630	491	389	111	123
MIN	30	97	3250	1610	1150	4040	224	113	246	27	22	51
AC-FT	4020	71740	225600	167000	113700	320700	97070	21590	22030	10470	4260	4740
CAL YR 1986	TOTAL 283092.9		MEAN 776		MAX 4200		MIN 2.3		AC-FT 561500			
WTR YR 1987	TOTAL 535891		MEAN 1468		MAX 5960		MIN 22		AC-FT 1063000			

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	2.24	20.42	21.33	12.14	22.77	21.50	3.31	5.94	4.39	.17	1.82
2	.66	2.12	20.62	21.07	11.82	24.02	20.93	3.02	5.56	4.61	.17	1.76
3	.62	2.05	20.67	20.79	11.41	24.72	20.34	2.83	5.43	4.72	.22	1.72
4	.64	2.08	20.63	20.68	11.02	25.14	19.72	2.66	5.76	4.70	.15	1.71
5	.74	2.50	20.52	20.41	10.93	25.38	19.07	2.51	5.34	4.69	.52	1.71
6	.69	2.45	20.34	20.13	11.10	25.51	18.42	2.36	4.90	4.69	.73	1.70
7	.63	2.53	20.12	19.86	11.66	25.59	17.79	2.19	4.59	4.66	.89	1.67
8	.59	5.44	19.90	19.59	12.03	25.68	17.28	2.16	4.39	4.45	1.01	1.62
9	.56	8.32	19.80	19.30	12.36	25.73	16.64	2.21	4.29	4.07	1.07	1.54
10	.55	9.04	19.70	19.00	12.69	25.72	15.90	2.37	4.26	3.64	1.07	1.46
11	.54	9.57	19.52	18.63	13.03	25.66	15.17	2.79	4.27	3.21	1.04	1.48
12	.69	10.18	19.38	18.25	13.38	25.57	14.45	3.41	4.37	2.83	1.17	1.42
13	.85	10.70	19.28	17.76	13.69	25.47	13.77	3.93	4.66	2.50	1.33	1.33
14	.92	10.96	19.27	17.26	13.93	25.33	13.29	4.33	4.74	2.14	1.78	1.23
15	.99	11.10	19.34	16.76	14.38	25.16	12.64	4.54	4.79	1.92	1.65	1.14
16	1.07	11.17	19.47	16.24	15.14	24.97	11.99	4.78	4.90	1.59	1.45	1.10
17	1.09	11.17	19.58	15.74	15.41	24.86	11.35	5.12	4.99	1.28	1.26	1.10
18	1.02	11.08	19.71	15.78	15.65	24.94	10.69	5.56	5.08	1.15	1.10	1.10
19	.92	11.00	19.86	15.87	15.93	24.81	10.04	5.81	5.06	1.00	.96	1.10
20	.83	11.10	19.96	15.67	16.37	24.69	9.41	5.97	4.96	.82	.92	1.06
21	.76	11.11	20.05	15.50	16.97	24.57	8.80	6.07	4.75	.66	1.00	1.00
22	.70	11.42	20.15	15.38	17.42	24.46	8.18	6.13	4.53	.71	1.20	.94
23	.70	12.52	20.44	15.31	17.83	24.36	7.56	6.25	4.28	1.16	1.62	.93
24	2.01	13.81	20.80	15.24	18.11	24.32	6.96	6.42	4.07	1.56	1.84	1.00
25	2.98	15.04	21.01	15.12	18.35	24.13	6.38	6.61	3.80	1.40	1.86	1.18
26	2.98	16.42	21.19	14.89	19.03	23.89	5.81	6.69	3.56	1.16	1.94	1.43
27	3.23	17.60	21.36	14.57	20.10	23.62	5.26	6.90	3.46	1.00	1.95	1.70
28	3.29	18.68	21.49	14.16	21.44	23.30	4.75	7.08	3.50	.81	1.92	1.92
29	3.07	19.51	21.57	13.72	---	22.93	4.24	7.05	3.76	.57	1.90	2.08
30	2.74	20.06	21.58	13.22	---	22.53	3.72	6.79	4.03	.45	1.88	2.14
31	2.45	---	21.50	12.70	---	22.03	---	6.39	---	.31	1.87	---
MAX	3.29	20.06	21.58	21.33	21.44	25.73	21.50	7.08	5.94	4.72	1.95	2.14
MIN	.54	2.05	19.27	12.70	10.93	22.03	3.72	2.16	3.46	.31	.15	.93

RED RIVER BASIN

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07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1964-73, 1976-77, 1981 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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)	
OCT 22...	1145	321	7.70	17.5	5	18	9.1	1.5	
DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 22...	280	240	100	27	9.1	22	3.5	107	10
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	
OCT 22...	29	0.1	7.9	180	170	0.02	0.48	0.14	

RED RIVER BASIN

07364700 BAYOU DE LOUTRE NEAR LARAN, LA

LOCATION.--Lat 32°57'20", long 92°30'00", in NW 1/4 sec.29, T.23 N., R.1 W., Union Parish, near center of span on downstream side of bridge on parish road, 1.5 mi southwest of Laran, 1.5 mi downstream from Lion Creek, and 3.0 mi upstream from bridge on State Highway 550.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--October 1984 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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)
OCT 22...	0720	1090	6.40	16.0	20	1.3	7.3	0.7	54

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 22...	100	110	30	7.4	160	3.8	12	38

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 22...	290	<0.1	8.9	592	550	0.02	0.60	0.06

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

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, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft, gage datum, capacity, 100,000 acre-ft to 9.0 ft, gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were closed Oct. 1 to Sept. 11 and open the remainder of the 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, 11.24 ft Nov. 25; minimum 4.07 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.69	9.46	10.17	9.67	9.58	11.01	9.55	9.21	9.32	9.25	8.93	8.43
2	8.71	9.44	10.07	9.64	9.75	10.79	9.53	9.19	9.31	9.24	8.92	8.41
3	8.69	9.41	9.96	9.61	9.77	10.57	9.54	9.17	9.30	9.23	8.90	8.39
4	8.69	9.38	9.89	9.92	9.76	10.40	9.53	9.20	9.28	9.21	8.88	8.37
5	8.73	9.65	9.82	9.94	9.74	10.27	9.51	9.40	9.25	9.20	8.86	8.36
6	8.72	9.67	9.76	9.91	9.73	10.15	9.51	9.42	9.23	9.18	8.83	8.34
7	8.71	9.73	9.72	9.89	9.93	10.06	9.49	9.44	9.22	9.15	8.82	8.32
8	8.72	10.14	9.83	9.84	9.97	10.00	9.49	9.42	9.20	9.14	8.80	8.31
9	8.75	10.55	9.99	9.80	9.94	9.94	9.47	9.40	9.18	9.14	8.78	8.30
10	8.75	10.48	10.14	9.82	9.91	9.88	9.46	9.38	9.17	9.15	8.76	8.27
11	8.74	10.36	10.12	9.78	9.85	9.83	9.44	9.36	9.16	9.15	8.82	8.26
12	8.84	10.23	10.06	9.75	9.82	9.78	9.43	9.35	9.18	9.14	8.81	8.13
13	8.93	10.10	9.99	9.72	9.79	9.75	9.42	9.33	9.21	9.13	8.80	7.97
14	8.92	9.99	9.92	9.70	9.76	9.71	9.44	9.32	9.25	9.11	8.79	7.80
15	8.91	9.90	9.90	9.68	9.83	9.68	9.43	9.30	9.24	9.08	8.77	7.61
16	8.90	9.84	10.01	9.66	10.13	9.66	9.39	9.29	9.33	9.06	8.75	7.40
17	8.89	9.79	10.03	9.64	10.18	9.61	9.38	9.28	9.31	9.04	8.73	7.19
18	8.88	9.75	10.01	9.82	10.11	9.81	9.37	9.29	9.40	9.01	8.71	6.97
19	8.88	9.69	10.01	9.85	10.04	9.78	9.36	9.30	9.39	9.00	8.69	6.78
20	8.86	9.68	9.97	9.84	10.05	9.74	9.36	9.27	9.37	8.98	8.67	6.56
21	8.85	9.64	9.92	9.81	10.40	9.71	9.35	9.26	9.35	8.96	8.66	6.33
22	8.83	9.61	9.87	9.80	10.41	9.69	9.34	9.25	9.33	8.94	8.64	6.10
23	8.87	9.85	9.90	9.75	10.34	9.64	9.32	9.28	9.30	8.97	8.62	5.87
24	9.40	10.69	9.92	9.71	10.26	9.74	9.30	9.28	9.30	9.00	8.59	5.64
25	9.61	11.06	9.91	9.74	10.22	9.73	9.28	9.27	9.29	8.99	8.57	5.41
26	9.64	11.21	9.87	9.70	10.27	9.69	9.27	9.26	9.34	8.98	8.54	5.17
27	9.62	10.95	9.83	9.67	10.56	9.67	9.26	9.24	9.31	8.98	8.52	4.93
28	9.58	10.68	9.79	9.65	10.95	9.63	9.25	9.23	9.28	8.96	8.51	4.69
29	9.55	10.47	9.76	9.65	---	9.64	9.23	9.23	9.26	8.94	8.47	4.48
30	9.51	10.29	9.73	9.63	---	9.61	9.22	9.22	9.24	8.93	8.45	4.23
31	9.48	---	9.70	9.61	---	9.57	---	9.21	---	8.93	8.44	---
MAX	9.64	11.21	10.17	9.94	10.95	11.01	9.55	9.44	9.40	9.25	8.93	8.43
MIN	8.69	9.38	9.70	9.61	9.58	9.57	9.22	9.17	9.16	8.93	8.44	4.23

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

AVERAGE DISCHARGE.--32 years, 190 ft³/s, 12.40 in/yr, 137,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft³/s June 9, 1974, gage height, 17.54 ft, from flood-mark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 26	2100	1,200	7.39	Feb. 18	0100	2,370	8.29
Nov. 9	2300	3,950	9.28	Feb. 23	0700	1,580	7.71
Nov. 25	2300	*4,120	*9.38	Feb. 28	2400	3,090	8.77
Dec. 12	0400	1,570	7.70				

Minimum discharge, 0.09 ft³/s Sept. 14, gage height, 1.59 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	8.7	45	530	124	112	2690	131	20	21	21	3.9	.29		
2	8.3	36	386	112	285	2010	122	19	24	73	4.6	.24		
3	7.2	31	254	166	445	1390	123	18	20	107	3.7	.28		
4	6.1	42	173	459	550	807	116	33	27	73	3.6	.28		
5	13	187	135	551	849	568	107	37	34	38	4.2	.24		
6	21	295	109	608	746	413	95	32	25	26	6.5	.23		
7	17	442	100	765	715	278	87	48	16	20	13	.20		
8	19	854	264	651	689	205	77	50	12	15	7.2	.18		
9	64	2440	539	474	722	185	74	69	10	12	5.1	.17		
10	92	3020	741	372	730	166	67	76	8.4	15	4.1	.20		
11	79	1420	1110	290	588	144	64	60	7.8	17	7.4	.17		
12	70	853	1430	263	423	121	59	44	8.9	15	26	.16		
13	116	616	903	253	256	107	57	37	21	12	22	.14		
14	141	468	617	215	167	104	60	44	64	9.5	11	.20		
15	143	384	485	167	372	102	60	42	72	7.5	5.9	.49		
16	125	327	451	146	1330	99	59	38	58	6.2	3.9	.40		
17	63	211	436	143	1910	110	54	47	48	5.3	2.8	.28		
18	35	130	436	339	1990	170	50	66	38	4.7	2.0	.29		
19	22	100	490	517	1060	200	46	64	27	4.1	1.6	.40		
20	15	89	522	515	823	229	44	50	22	3.6	1.3	2.0		
21	13	80	479	576	1090	240	41	36	17	3.1	1.1	2.4		
22	12	94	423	659	1180	188	37	27	15	2.8	.87	1.4		
23	34	440	420	526	1490	140	35	22	14	2.7	.84	1.1		
24	341	1900	459	352	1050	275	32	44	44	3.9	.69	1.0		
25	596	3420	448	226	769	340	29	46	84	14	.58	.92		
26	986	3600	452	185	889	356	27	36	38	17	.52	.77		
27	1100	2440	491	175	1500	365	26	28	22	13	.46	.64		
28	756	1690	466	173	2460	332	25	22	15	9.3	.38	.50		
29	476	1080	349	155	---	186	25	20	12	6.4	.34	.39		
30	171	717	218	132	---	108	23	18	8.4	4.7	.31	.25		
31	61	---	153	119	---	115	---	16	---	3.8	.28	---		
TOTAL	5611.3	27451	14469	10408	25190	12743	1852	1209	833.5	565.6	146.17	16.21		
MEAN	181	915	467	336	900	411	61.7	39.0	27.8	18.2	4.72	.54		
MAX	1100	3600	1430	765	2460	2690	131	76	84	107	26	2.4		
MIN	6.1	31	100	112	112	99	23	16	7.8	2.7	.28	.14		
CF SM	.87	4.40	2.25	1.62	4.33	1.98	.30	.19	.13	.09	.02	.00		
IN.	1.00	4.91	2.59	1.86	4.51	2.28	.33	.22	.15	.10	.03	.00		
AC-FT	11130	54450	28700	20640	49960	25280	3670	2400	1650	1120	290	32		
CAL YR 1986	TOTAL	91079.63	MEAN	250	MAX	5270	MIN	.23	CF SM	1.20	IN.	16.29	AC-FT	180700
WTR YR 1987	TOTAL	100494.78	MEAN	275	MAX	3600	MIN	.14	CF SM	1.32	IN.	17.97	AC-FT	199300

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--CONTINUED

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GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.51	3.64	6.35	4.73	4.62	8.51	4.80	3.00	3.03	2.98	2.22	1.68
2	2.49	3.41	5.95	4.63	5.58	8.01	4.73	2.95	3.14	4.18	2.27	1.66
3	2.44	3.28	5.47	4.96	6.13	7.55	4.74	2.92	2.98	4.60	2.21	1.68
4	2.38	3.51	5.07	6.16	6.40	6.91	4.68	3.39	3.22	4.17	2.24	1.68
5	2.69	5.11	4.81	6.41	6.98	6.44	4.60	3.53	3.44	3.55	2.31	1.66
6	2.99	5.64	4.60	6.53	6.81	6.03	4.48	3.37	3.16	3.20	2.43	1.65
7	2.86	6.10	4.50	6.85	6.76	5.57	4.38	3.77	2.83	2.99	2.75	1.64
8	2.92	6.94	5.46	6.62	6.70	5.25	4.25	3.82	2.67	2.79	2.51	1.62
9	3.98	8.28	6.37	6.21	6.77	5.14	4.21	4.13	2.58	2.65	2.40	1.61
10	4.41	8.70	6.80	5.91	6.78	5.03	4.11	4.24	2.50	2.78	2.32	1.63
11	4.23	7.57	7.28	5.62	6.49	4.88	4.06	4.00	2.47	2.87	2.51	1.62
12	4.09	6.98	7.59	5.52	6.06	4.70	3.99	3.69	2.52	2.79	3.30	1.61
13	4.66	6.55	7.05	5.47	5.47	4.58	3.95	3.52	2.99	2.67	3.18	1.60
14	4.86	6.19	6.55	5.30	5.03	4.55	4.00	3.68	4.06	2.54	2.73	1.65
15	4.88	5.95	6.24	5.04	5.74	4.52	3.99	3.65	4.18	2.45	2.48	1.82
16	4.73	5.76	6.15	4.90	7.48	4.49	3.98	3.55	3.96	2.38	2.35	1.81
17	3.97	5.27	6.11	4.87	7.95	4.60	3.89	3.75	3.78	2.33	2.24	1.77
18	3.40	4.77	6.11	5.75	8.01	5.05	3.82	4.08	3.54	2.28	2.14	1.80
19	3.03	4.50	6.25	6.32	7.23	5.22	3.75	4.07	3.22	2.23	2.06	1.88
20	2.78	4.36	6.34	6.32	6.94	5.37	3.70	3.82	3.04	2.19	2.00	2.35
21	2.70	4.25	6.22	6.46	7.28	5.42	3.62	3.51	2.89	2.14	1.92	2.47
22	2.67	4.40	6.07	6.64	7.36	5.15	3.53	3.23	2.80	2.11	1.87	2.29
23	3.22	5.99	6.06	6.34	7.64	4.84	3.46	3.06	2.77	2.09	1.86	2.21
24	5.77	7.92	6.17	5.84	7.22	5.56	3.39	3.66	3.47	2.19	1.82	2.23
25	6.50	8.96	6.14	5.35	6.85	5.81	3.30	3.73	4.33	2.73	1.78	2.25
26	7.14	9.07	6.15	5.14	6.99	5.86	3.24	3.50	3.54	2.88	1.76	2.25
27	7.29	8.33	6.26	5.09	7.65	5.89	3.20	3.25	3.06	2.70	1.74	2.25
28	6.82	7.78	6.19	5.07	8.34	5.77	3.17	3.07	2.81	2.54	1.70	2.25
29	6.20	7.25	5.83	4.96	---	5.13	3.16	2.98	2.64	2.39	1.69	2.25
30	4.95	6.76	5.30	4.79	---	4.61	3.08	2.92	2.50	2.28	1.69	2.24
31	3.95	---	4.94	4.69	---	4.67	---	2.85	---	2.21	1.68	---
MAX	7.29	9.07	7.59	6.85	8.34	8.51	4.80	4.24	4.33	4.60	3.30	2.47
MIN	2.38	3.28	4.50	4.63	4.62	4.49	3.08	2.85	2.47	2.09	1.68	1.60

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, 43.41 ft Feb. 28; minimum, 39.41 ft Sept. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.77	40.44	42.21	40.84	40.60	43.36	40.53	39.95	40.10	40.05	39.82	39.56
2	39.80	40.36	41.89	40.76	40.67	43.27	40.48	39.94	40.06	40.02	39.80	39.54
3	39.81	40.27	41.61	40.71	40.73	43.08	40.48	39.98	40.03	40.07	39.79	39.52
4	39.80	40.22	41.37	40.90	40.78	42.80	40.45	40.00	40.00	40.04	39.77	39.50
5	39.89	40.52	41.17	41.00	40.80	42.51	40.43	40.00	39.96	40.03	39.74	39.48
6	39.88	40.60	40.99	41.07	40.83	42.19	40.40	39.99	39.94	39.99	39.73	39.47
7	39.87	40.69	40.85	41.09	41.02	41.87	40.38	40.00	39.93	39.96	39.73	39.45
8	39.85	40.83	40.79	41.08	41.18	41.62	40.36	40.02	39.92	39.96	39.72	39.44
9	39.87	41.30	40.84	41.10	41.25	41.39	40.34	40.03	39.90	39.97	39.70	39.44
10	39.87	41.50	40.97	41.12	41.27	41.18	40.33	40.03	39.89	39.97	39.68	39.43
11	39.87	41.67	41.08	41.06	41.25	41.04	40.30	40.05	39.87	39.96	39.71	39.57
12	39.99	41.85	41.16	41.01	41.21	40.92	40.29	40.06	39.89	39.95	39.90	39.58
13	40.07	41.86	41.31	40.94	41.16	40.81	40.29	40.06	39.92	39.93	39.89	39.57
14	40.05	41.73	41.56	40.87	41.09	40.73	40.30	40.05	39.97	39.90	39.87	39.58
15	40.03	41.54	41.66	40.82	41.07	40.67	40.24	40.04	39.99	39.88	39.85	39.60
16	40.00	41.34	41.64	40.76	41.50	40.62	40.22	40.01	40.02	39.85	39.83	39.63
17	39.99	41.15	41.55	40.71	41.66	40.59	40.21	39.99	40.04	39.83	39.81	39.65
18	39.98	40.98	41.45	40.79	41.70	40.76	40.19	40.02	40.03	39.82	39.79	39.70
19	39.95	40.82	41.37	40.96	41.77	40.78	40.18	40.01	40.06	39.81	39.79	39.80
20	39.93	40.74	41.30	41.08	41.89	40.75	40.17	40.01	40.07	39.79	39.78	39.84
21	39.92	40.63	41.24	41.12	42.10	40.71	40.16	40.01	40.09	39.77	39.76	39.89
22	39.90	40.58	41.19	41.10	42.17	40.70	40.12	40.00	40.09	39.75	39.74	39.93
23	39.90	40.79	41.20	41.03	42.13	40.67	40.09	40.05	40.07	39.79	39.72	39.95
24	40.29	41.54	41.21	41.03	42.15	40.78	40.07	40.17	40.07	39.94	39.70	39.98
25	40.47	41.96	41.21	41.04	42.10	40.80	40.05	40.27	40.12	39.93	39.68	40.00
26	40.52	42.52	41.18	40.98	42.14	40.79	40.04	40.37	40.16	39.90	39.65	40.03
27	40.49	42.89	41.11	40.92	42.59	40.75	40.02	40.34	40.15	39.88	39.63	40.04
28	40.49	42.98	41.05	40.85	43.27	40.72	40.01	40.29	40.12	39.87	39.63	40.06
29	40.50	42.81	41.01	40.79	---	40.69	39.99	40.23	40.10	39.85	39.60	40.08
30	40.51	42.52	40.96	40.71	---	40.63	39.98	40.18	40.06	39.83	39.58	40.07
31	40.50	---	40.90	40.65	---	40.57	---	40.14	---	39.83	39.57	---
MAX	40.52	42.98	42.21	41.12	43.27	43.36	40.53	40.37	40.16	40.07	39.90	40.08
MIN	39.77	40.22	40.79	40.65	40.60	40.57	39.98	39.94	39.87	39.75	39.57	39.43

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 lot 43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi north of Sherrouse School at Monroe, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 40.41 ft Jan. 2, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.78 ft Mar. 9; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.69	30.82	34.57	33.43	31.43	36.48	36.75	30.81	30.59	30.74	30.65	30.76
2	30.67	30.76	34.55	33.06	31.81	36.86	36.58	30.72	30.59	30.64	30.62	30.76
3	30.66	30.76	34.49	32.57	31.69	37.10	36.41	30.76	30.74	30.78	30.64	30.69
4	30.72	30.75	34.34	32.82	31.54	37.27	36.19	30.68	30.81	30.71	30.63	30.76
5	30.69	32.31	34.12	32.41	31.46	37.42	35.96	30.76	30.81	30.69	30.62	30.71
6	30.66	31.80	33.83	32.13	31.41	37.55	35.70	31.11	30.66	30.67	30.60	30.66
7	30.66	31.74	33.45	31.92	31.78	37.63	35.42	30.99	30.65	30.72	30.62	30.75
8	30.63	31.44	33.04	31.80	31.74	37.71	35.09	31.04	30.61	30.76	30.61	30.69
9	31.20	32.43	32.76	31.69	31.62	37.78	34.66	30.92	30.59	30.74	30.62	30.71
10	31.07	31.84	32.69	31.66	31.57	37.73	34.07	30.82	30.51	30.76	30.63	30.73
11	30.95	31.72	32.39	31.60	31.49	37.70	33.33	30.87	30.50	30.74	30.76	30.79
12	31.46	31.71	32.21	31.56	31.42	37.66	32.55	30.84	30.86	30.71	31.08	30.83
13	31.77	31.66	32.15	31.52	31.37	37.63	31.96	30.78	30.87	30.69	30.98	30.82
14	31.65	31.63	32.08	31.49	31.39	37.60	31.29	30.73	30.95	30.67	30.95	30.80
15	31.44	31.61	32.10	31.47	31.38	37.57	31.21	30.70	30.81	30.64	30.93	30.80
16	31.18	31.57	32.39	31.44	32.48	37.54	31.20	30.63	30.75	30.62	30.91	30.80
17	31.02	31.54	32.51	31.39	32.15	37.52	31.28	30.66	30.69	30.60	30.93	30.79
18	30.91	31.51	32.67	31.94	32.06	37.70	31.27	30.68	30.61	30.61	30.89	30.79
19	30.91	31.47	32.99	31.92	31.95	37.72	31.25	30.68	30.64	---	30.90	30.89
20	30.80	31.45	33.11	31.87	31.96	37.71	31.26	30.66	30.66	---	30.84	30.88
21	30.77	31.42	33.21	31.87	32.98	37.70	31.24	30.86	30.62	---	30.86	30.84
22	30.75	31.41	33.30	31.79	32.96	37.68	31.27	30.74	30.57	---	30.83	30.82
23	30.85	32.86	33.58	31.73	33.15	37.64	31.29	30.63	30.58	---	30.84	30.81
24	32.58	33.23	33.87	31.70	33.17	37.68	31.30	30.61	30.81	---	30.82	30.80
25	32.38	33.47	33.92	31.73	33.45	37.60	31.33	30.92	30.64	---	30.82	30.80
26	31.86	34.48	33.97	31.58	34.31	37.50	31.30	31.18	30.60	---	30.82	30.80
27	31.65	34.41	33.99	31.55	35.58	37.40	31.12	31.02	30.57	---	30.82	30.79
28	31.48	34.38	33.98	31.51	36.00	37.29	31.21	30.89	30.59	---	30.81	30.80
29	31.17	34.45	33.92	31.48	---	37.16	31.23	30.80	30.59	---	30.81	30.81
30	31.03	34.53	33.82	31.47	---	37.04	31.03	30.73	30.59	---	30.78	30.81
31	30.92	---	33.66	31.42	---	36.90	---	30.64	---	30.63	30.76	---
MAX	32.58	34.53	34.57	33.43	36.00	37.78	36.75	31.18	30.95	30.78	31.08	30.89
MIN	30.63	30.75	32.08	31.39	31.37	36.48	31.03	30.61	30.50	---	30.60	30.66

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 (discontinued). Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

REVISED.--WDR LA-81-1: 1981(M).

GAGE.--Water-stage and gage-position recorders, a broad-crested weir and four radial gates. Datum of gage is 23.88 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to October 1981 water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Estimated daily discharges: Oct. 10-29, Nov. 9 to Dec. 2, Apr. 28 to May 2, May 5-14, July 28 to Sept. 17. Records fair. Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft, and a series of navigation locks and dams.

AVERAGE DISCHARGE.--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 gage height, 44.82 ft, minimum daily, 452 ft³/s Oct. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 50,000 ft³/s, Mar. 11, 12; maximum tailwater gage height, 32.91 ft Mar. 12; minimum daily, 900 ft³/s Sept. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1430	3860	39000	38200	17900	43000	44500	1500	8830	1920	1500	1300
2	1340	2970	39300	37400	18100	44700	43700	1900	3300	1820	1800	1200
3	1580	2480	39300	36600	17200	46100	42900	1320	2680	1930	1900	1000
4	1140	2470	39300	36000	16500	47200	42200	1380	2560	1940	1800	900
5	1960	5220	39300	34900	19800	48000	41500	2000	2480	1850	1700	900
6	1090	5470	39300	33900	23100	48500	40900	3500	2520	1870	1600	1000
7	1290	10900	39300	33100	24400	49000	40100	5400	2070	2000	1400	1100
8	1600	12400	37500	32500	25400	49500	39400	5600	2200	1540	1500	1100
9	2160	16000	35300	31800	26500	49800	38600	5200	1440	1640	1300	1200
10	2100	18000	34300	31300	27200	49900	37700	4500	1890	1710	1400	1200
11	3200	20000	33500	30900	27500	50000	36800	4700	1410	1360	1500	1400
12	5000	22000	33200	30400	27600	50000	35800	6800	1440	1670	1400	1200
13	4500	24000	33200	29900	27400	49900	34400	7000	2420	1470	1400	1400
14	4300	27000	33500	29300	27100	49700	33200	5000	1870	1430	1500	1100
15	4200	29000	34100	28700	27400	49400	31800	2190	2360	1420	1400	1000
16	4000	32000	35100	28300	28600	49100	30500	1940	2310	1400	1300	1100
17	3000	34000	35900	27800	29000	49100	29300	2220	2470	1270	1200	1200
18	2900	34000	36600	28300	29400	49500	28100	2170	2580	1330	1300	1330
19	2500	33000	37200	28900	30200	49500	26900	2130	2550	1200	1400	2920
20	2100	32000	37600	29100	31200	49500	24200	2180	2520	1080	1500	2650
21	1100	31000	37900	29300	32900	49500	21600	2500	2300	1240	1300	1710
22	1300	30000	38100	29300	34000	49300	18700	2530	2270	1240	1200	1790
23	2800	30000	38700	29300	35200	49000	15000	1860	1800	1550	1100	1050
24	6500	31000	39100	29200	36200	48900	13000	2520	2550	1480	1100	1240
25	7500	32000	39400	29100	36900	48500	9400	2600	1620	1300	1200	1480
26	8000	33000	39600	28700	38400	48000	3740	3390	2150	1200	1100	2010
27	10000	35000	39800	28200	40000	47700	2650	6130	1690	1180	1300	1690
28	13000	37000	39800	27700	41500	47200	2500	9600	1420	1300	1500	1190
29	11300	38000	39600	27100	---	46600	2000	11500	1710	1400	1600	1800
30	8510	38500	39200	26600	---	46000	1700	11900	1420	1300	1400	1990
31	6920	---	38800	23200	---	45200	---	11800	---	1400	1500	---
TOTAL	128320	702270	1161800	945000	796600	1497300	812790	134960	70830	46440	44100	42150
MEAN	4139	23410	37480	30480	28450	48300	27090	4354	2361	1498	1423	1405
MAX	13000	38500	39800	38200	41500	50000	44500	11900	8830	2000	1900	2920
MIN	1090	2470	33200	23200	16500	43000	1700	1320	1410	1080	1100	900
AC-FT	254500	1393000	2304000	1874000	1580000	2970000	1612000	267700	140500	92110	87470	83600
CAL YR 1986	TOTAL 5612330		MEAN 15380		MAX 39800		MIN 1090		AC-FT 11132000			
WTR YR 1987	TOTAL 6382560		MEAN 17490		MAX 50000		MIN 900		AC-FT 12660000			

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/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 21...	1645	1100	373	7.37	18.5	50	7.8	7.0	1.3	K6	180
DEC 05...	0930	39300	104	6.41	11.0	50	16	6.8	0.8	K40	K26
FEB 05...	0945	19800	140	6.90	11.0	50	12	10.1	1.9	K4	92
APR 30...	1100	1700	147	6.80	24.5	50	7.7	7.2	1.3	K4	110
JUN 18...	1300	2580	204	6.89	26.0	70	12	5.1	1.3	K10	K12
AUG 14...	1530	1500	362	7.30	30.5	20	2.5	7.4	0.7	<4	<1

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 21...	46	13	3.2	50	2.9	32	22	73	<0.1	6.7
DEC 05...	17	4.5	1.4	11	2.2	11	13	16	0.2	7.4
FEB 05...	25	6.7	1.9	15	1.6	13	17	22	<0.1	8.3
APR 30...	27	7.5	2.0	15	1.7	21	13	22	<0.1	4.9
JUN 18...	32	9.4	2.1	22	2.2	25	15	33	<0.1	6.3
AUG 14...	50	14	3.6	48	2.8	35	23	66	0.1	7.7

< 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 1986 TO SEPTEMBER 1987

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, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 21...	220	190	<0.01	0.51	0.02	0.03	0.9	0.09	0.06	0.05
DEC 05...	83	62	<0.01	<0.10	0.12	0.08	0.7	0.10	0.03	<0.01
FEB 05...	84	81	<0.01	<0.10	0.07	0.06	0.6	0.05	0.04	0.04
APR 30...	83	79	0.01	0.11	0.09	0.10	1.4	0.07	0.04	0.02
JUN 18...	129	110	0.05	0.29	<0.01	<0.01	0.7	0.10	0.03	0.01
AUG 14...	189	186	<0.01	<0.10	0.02	0.03	0.7	0.04	0.02	<0.01

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 21...	90	<1	78	<0.5	<1	<1	<3	4	290	<5
FEB 05...	90	<1	41	0.6	<1	<1	<3	2	240	<5
APR 30...	50	<1	46	<0.5	1	<1	<3	3	540	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 21...	6	160	0.1	<10	3	<1	<1	340	<6	12
FEB 05...	<4	44	<0.1	<10	<1	<1	<1	120	<6	12
APR 30...	<4	140	<0.1	<10	<1	<1	<1	130	<6	19

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 21...		0.5	0.4	4.5	0.8	3.3	0.07	0.01
APR 30...		<0.4	<0.4	2.4	0.4	2.1	0.03	0.04

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

RED RIVER BASIN

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07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	4	12	78
DEC 05...	46	4880	75
FEB 05...	6	321	82
APR 30...	26	119	86
JUN 18...	13	91	97
AUG 14...	4	16	100

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.

WATER-DISCHARGE RECORDS

GAGE.--Water-stage recorder and electromagnetic flow meter. Datum of gage is 72.11 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft upstream. Prior to Oct. 1, 1978, datum 2.00 ft higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi downstream from base gage at datum 74.35 ft above National Geodetic Vertical Datum of 1929. No gage-height recorded below 1.57 ft. Below 1.57 ft May 3-9, June 20-29, July 12 to Aug. 10.

REMARKS.--Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s Feb. 11, 1966; maximum gage height, 26.07 ft, present datum, Dec. 29, 1982; no flow at times in 1966, 1974, 1977, and 1978, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 24.8 ft present datum (from records of Corps of Engineers, Vicksburg district).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					40	.00	.00	.00	30	.00	.00	.00
2					15	.00	.00	.00	.00	.00	.00	352
3					8.7	.00	.00	.00	.00	255	.00	664
4					169	.00	.00	.00	.00	1230	.00	487
5					1420	.00	.00	.00	.00	460	.00	465
6					3500	.00	.00	.00	.00	56	.00	379
7					2900	.00	.00	.00	.00	.80	.00	258
8					1690	.00	.00	.00	.00	.00	.00	172
9					712	.00	.00	.00	900	.00	.00	68
10					668	.00	.00	.00	2200	.00	.00	19
11					585	.00	.00	.00		.00	.00	2.9
12					349	25	.00	.00	2000	.00	.00	.00
13					227	957	.00	.00	1030	.00	.00	.00
14					191	900	.00	.00	316	.00	.00	.00
15					117	379	.00	.00	68	.00	.00	.00
16					87	167	.00	.00	.63	.00	.00	.00
17					84	73	.00	.00	.00	.00	.00	.00
18					54	48	.00	.00	.00	.00	.00	.00
19					28	95	.00	.00	.00	.00	8.5	.00
20					9.0	98	.00	.00	.00	.00	2.0	.00
21					3.8	229	.00	.00	.00	.00	.00	.00
22					2.6	81	.00	.00	.00	.00	.00	.00
23					.07	34	.00	.00	.00	.00	.00	.00
24					.00	13	.00	.00	.00	.00	.00	.00
25					.00	2.3	.00	200	.00	.00	.00	.00
26					.00	.00	.00	1500	.00	.00	.00	.00
27					.00	.00	.00	3600	.00	.00	.00	.00
28					.00	.00	.00	3000	.00	.00	5.1	.00
29					---	.00	.00	1700	.00	.00	29	.00
30					---	.00	.00	750	.00	.00	7.1	.00
31					---	.00	---	250	---	.00	.84	---
TOTAL					12860.17	3101.30	.00	11000.00	---	2001.80	52.54	2866.90
MEAN					459	100	.00	355	---	64.6	1.69	95.6
MAX					3500	957	.00	3600	---	1230	29	664
MIN					.00	.00	.00	.00	.00	.00	.00	.00

RED RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.05	823	183	60		146	.00	1270	.00	.00	17
2	.00	.00	586	125	2440		140	.00	783	24	.00	3.0
3	.00	.00	434	173	3020		98	.00	489	552	3.0	.00
4	.00	11	304	3330	1960		74	324	240	1350	.00	.00
5	.00	339	228		808		59	410	44	635	97	.00
6	.00	566	159	2050	1180		46	293	.46	310	149	.00
7	.00	1260	114	939	---	1200	36	469	.00	105	297	.00
8	.00		269	545	3040	1330	20	98	.00	53	286	.00
9	.00		3470	398	1190	1640	20	5.7	.00	2.2	117	.00
10	.00			418	584	897	43	19	.00	.00	35	.00
11	.00			352	393	579	39	16	.00	.00	9.2	.00
12	.00			330	262	469	26	.00	.85	.00	47	.00
13	572			227	197	378	86	13	1760	.00	24	.00
14	399	1590	2250	166	154	372	2090	251	1390	.00	102	168
15	151	827	982	171	1570	295	1010	154	768	.00	239	561
16	28	516	1090	148		212	379	58	395	.00	226	331
17	.72	327	1130	179		1140	160	376	305	.00	171	127
18	.00	207	1190		2150		63	425	753	.00	32	26
19	.00	129	1520		897		29	229	1000	.00	36	6.3
20	.00	785	862		1820		11	53	641	.00	412	.05
21	.00	844	553	1340		1380	4.6	3.9	335	.00	381	45
22	.00	1840	403	684		617	.06	.00	405	.00	319	47
23	.00		3000	409	3380	536	.00	.00	412	.00	207	11
24	983			253	1660		.00	167	166	.00	110	.31
25	2910			181	957		.00	1370	68	.00	1.8	.00
26	2000		2060	118		1860	.00	3590	5.2	105	.00	.00
27	903		968	163		745	.00	2070	.00	132	.00	.00
28	351		586	205		436	.00	810	.00	8.0	9.8	.00
29	116		414	133		286	.00	331	.00	.00	68	.00
30	54	1770	302	86	---	190	.00	274	.00	.00	60	.00
31	11	---	225	51	---	158	---	593	---	.00	41	---
TOTAL	8478.72	---	---	---	---	---	4579.66	12402.60	11230.51	3276.20	3479.80	1342.66
MEAN	274	---	---	---	---	---	153	400	374	106	112	44.8
MAX	2910	---	---	---	---	---	2090	3590	1760	1350	412	561
MIN	.00	.00	1.14	51	60	158	.00	.00	.00	.00	.00	.00

RED RIVER BASIN

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.25	5.06	6.51	5.59	5.35	24.41	5.53	3.44	7.10	3.92	4.86	5.23
2	4.23	4.97	6.18	5.50	8.48	24.67	5.52	3.36	6.46	4.91	4.89	5.12
3	4.23	5.00	5.95	5.56	9.19	24.31	5.45	3.56	6.04	6.08	5.10	4.81
4	4.26	4.99	5.76	9.52	7.95	23.16	5.41	5.10	5.67	7.20	4.67	4.55
5	4.36	5.81	5.66	10.76	6.49	19.38	5.37	5.92	5.31	6.25	5.24	4.32
6	4.44	6.15	5.55	8.05	6.92	12.31	5.32	5.75	5.01	5.77	5.53	4.20
7	4.36	7.07	5.48	6.66	11.11	7.00	5.29	6.01	4.63	5.46	5.75	4.22
8	4.24	12.46	5.71	6.12	9.21	7.16	5.25	5.43	4.25	5.34	5.74	4.30
9	4.16	20.78	9.66	5.90	6.98	7.56	5.24	5.14	3.84	5.03	5.48	4.29
10	4.15	22.49	16.43	5.93	6.18	6.61	5.32	5.11	3.04	4.80	5.29	4.21
11	4.19	22.09	15.78	5.83	5.89	6.17	5.30	5.17	2.19	4.71	5.19	4.21
12	4.33	18.89	12.86	5.80	5.71	6.00	5.27	4.94	2.17	4.73	5.33	4.49
13	6.16	11.90	10.54	5.65	5.61	5.87	5.36	5.21	7.70	4.36	5.26	4.68
14	5.90	7.49	8.28	5.56	5.54	5.86	8.11	5.68	7.25	3.92	5.44	5.27
15	5.54	6.51	6.72	5.57	7.46	5.75	6.75	5.54	6.43	3.30	5.67	6.14
16	5.26	6.08	6.86	5.53	15.64	5.63	5.87	5.36	5.89	2.82	5.65	5.80
17	5.07	5.80	6.91	5.58	14.12	6.93	5.55	5.87	5.77	2.17	5.57	5.49
18	4.93	5.63	6.99	11.65	8.19	17.65	5.37	5.94	6.41	1.97	5.25	5.26
19	4.83	5.50	7.40	16.82	6.61	18.59	5.27	5.65	6.75	1.94	5.22	5.16
20	4.74	6.44	6.56	12.12	7.78	13.25	5.20	5.34	6.26	1.93	5.92	5.07
21	4.67	6.54	6.13	7.18	12.80	7.23	5.15	5.10	5.81	1.92	5.87	5.32
22	4.60	7.80	5.90	6.32	10.78	6.22	5.09	4.78	5.92	1.92	5.79	5.33
23	4.57	16.57	9.16	5.91	9.57	6.09	5.02	4.60	5.92	1.92	5.63	5.20
24	6.40	22.16	15.43	5.69	7.58	10.96	4.91	5.44	5.56	1.92	5.45	5.07
25	9.07	23.10	12.85	5.59	6.69	10.59	4.86	7.20	5.39	2.47	5.05	4.98
26	8.00	23.42	8.06	5.48	11.87	7.82	4.71	9.79	5.12	5.30	4.84	4.93
27	6.61	22.96	6.70	5.55	21.56	6.40	4.54	8.08	4.99	5.50	4.77	4.84
28	5.83	21.01	6.18	5.62	23.26	5.95	4.33	6.49	4.88	5.09	5.08	4.78
29	5.48	15.43	5.92	5.51	---	5.74	4.02	5.80	4.78	4.81	5.39	4.75
30	5.35	7.72	5.76	5.43	---	5.60	3.81	5.72	4.17	4.83	5.37	4.73
31	5.19	---	5.65	5.34	---	5.55	---	6.18	---	4.81	5.31	---
MAX	9.07	23.42	16.43	16.82	23.26	24.67	8.11	9.79	7.70	7.20	5.92	6.14
MIN	4.15	4.97	5.48	5.34	5.35	5.55	3.81	3.36	2.17	1.92	4.67	4.20

RED RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOL VED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 22...	1220	1000	7.90	20.0	10	12	8.8	2.6	K14

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOL VED (MG/L AS CA)	MAGNE- SIUM, DIS- SOL VED (MG/L AS MG)	SODIUM, DIS- SOL VED (MG/L AS NA)	POTAS- SIUM, DIS- SOL VED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOL VED (MG/L AS SO4)
OCT 22...	480	290	71	28	80	6.1	180	48

DATE	CHLO- RIDE, DIS- SOL VED (MG/L AS CL)	FLUO- RIDE, DIS- SOL VED (MG/L AS F)	SILICA, DIS- SOL VED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOL VED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOL VED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 22...	170	0.2	9.1	560	520	0.02	0.81	0.12

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

RED RIVER BASIN

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.--No estimated daily discharge. 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. 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.--49 years, 336 ft³/s, 243,400 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, 1,570 ft³/s Mar. 1; maximum gage height, 15.45 ft Mar. 2; minimum discharge, 2.6 ft³/s Aug. 5, gage height, 3.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	29	703	42	22	1550	55	14	91	11	4.5	9.2
2	6.6	20	304	32	41	1550	49	14	88	11	5.2	9.0
3	6.9	15	263	35	59	1490	46	14	73	15	5.2	8.8
4	7.1	28	160	58	114	1420	47	15	62	12	3.9	8.8
5	6.9	121	96	80	119	1360	39	17	42	12	5.5	9.0
6	7.1	199	67	146	142	1250	34	28	31	15	9.0	9.3
7	7.5	216	49	166	229	1010	31	74	25	26	4.8	9.1
8	7.9	232	37	115	328	651	28	128	21	31	3.9	8.9
9	9.0	360	35	78	316	434	26	139	18	19	3.8	8.6
10	9.5	592	39	56	220	310	24	91	15	16	4.4	8.7
11	10	718	130	42	129	219	23	68	15	13	61	9.3
12	23	769	340	33	83	144	22	104	15	12	44	9.7
13	46	758	375	27	63	96	23	95	52	10	60	9.7
14	59	668	321	22	49	74	37	65	72	9.2	63	9.5
15	57	437	246	19	111	59	57	45	105	8.5	47	9.1
16	48	268	175	17	283	50	75	32	102	8.0	33	9.2
17	38	158	130	21	475	124	64	25	74	8.0	24	8.9
18	28	93	116	60	558	507	49	30	55	8.3	18	8.8
19	22	62	115	177	432	724	38	71	45	8.2	16	9.8
20	18	48	111	414	326	809	31	92	38	7.6	14	9.6
21	15	35	94	464	344	715	25	65	32	5.2	12	9.4
22	13	62	75	341	454	473	21	52	28	4.1	11	9.1
23	16	190	128	206	503	283	18	41	24	5.7	11	8.7
24	46	535	202	112	435	250	16	31	29	4.6	9.7	8.9
25	84	887	354	80	333	296	15	78	21	3.6	9.3	8.7
26	166	1120	408	64	494	309	14	169	19	4.1	8.9	8.5
27	175	1210	328	55	877	246	14	219	19	4.6	9.0	8.5
28	130	1190	209	44	1350	159	14	189	18	4.6	9.0	8.5
29	90	1130	119	36	---	100	14	123	14	4.3	8.9	8.7
30	61	992	76	29	---	77	14	79	12	4.7	8.9	8.5
31	42	---	56	23	---	63	---	59	---	4.8	9.1	---
TOTAL	1262.2	13142	5861	3094	8889	16802	963	2266	1255	311.1	537.0	270.5
MEAN	40.7	438	189	99.8	317	542	32.1	73.1	41.8	10.0	17.3	9.02
MAX	175	1210	703	464	1350	1550	75	219	105	31	63	9.8
MIN	6.6	15	35	17	22	50	14	14	12	3.6	3.8	8.5
AC-FT	2500	26070	11630	6140	17630	33330	1910	4490	2490	617	1070	537
CAL YR 1986	TOTAL 26906.7		MEAN 73.7		MAX 1210		MIN 1.5		AC-FT 53370			
WTR YR 1987	TOTAL 54652.8		MEAN 150		MAX 1550		MIN 3.6		AC-FT 108400			

RED RIVER BASIN

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07368000 BOEUF RIVER NEAR GIRARD, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.50	4.15	10.75	4.45	3.99	15.37	4.66	3.78	5.19	3.54	3.27	3.38
2	3.50	3.95	8.36	4.24	4.40	15.38	4.55	3.77	5.17	3.55	3.29	3.37
3	3.50	3.80	7.36	4.29	4.69	15.09	4.50	3.80	4.95	3.67	3.30	3.37
4	3.51	4.13	6.27	4.82	5.47	14.74	4.51	3.83	4.78	3.58	3.24	3.37
5	3.50	5.84	5.50	5.10	5.55	14.37	4.36	3.87	4.34	3.58	3.29	3.37
6	3.51	6.36	4.96	5.81	5.85	13.88	4.26	4.10	4.11	3.66	3.45	3.38
7	3.53	6.62	4.58	6.01	6.70	12.78	4.20	4.93	3.96	3.96	3.28	3.38
8	3.55	6.79	4.32	5.58	7.42	10.92	4.14	5.55	3.86	4.10	3.24	3.37
9	3.59	7.88	4.28	5.08	7.41	9.31	4.09	5.70	3.78	3.78	3.24	3.36
10	3.61	9.28	4.37	4.71	6.70	8.13	4.06	5.21	3.71	3.70	3.26	3.36
11	3.64	10.16	5.43	4.43	5.86	7.07	4.03	4.89	3.69	3.63	4.54	3.38
12	4.00	10.54	7.21	4.24	5.25	6.20	4.01	5.34	3.69	3.56	4.32	3.40
13	4.49	10.54	7.65	4.11	4.88	5.55	4.03	5.26	4.66	3.51	4.65	3.40
14	4.73	9.92	7.34	4.01	4.60	5.10	4.33	4.83	5.09	3.46	4.71	3.39
15	4.70	8.60	6.80	3.93	5.55	4.80	4.68	4.47	5.47	3.43	4.38	3.38
16	4.53	7.21	6.32	3.87	7.43	4.60	4.95	4.23	5.40	3.41	4.07	3.38
17	4.33	6.17	5.87	3.97	8.65	5.72	4.81	4.07	4.96	3.41	3.83	3.37
18	4.15	5.39	5.71	4.83	9.20	9.26	4.55	4.18	4.59	3.42	3.68	3.36
19	3.99	4.85	5.76	6.05	8.57	10.46	4.35	4.87	4.40	3.42	3.62	3.41
20	3.88	4.55	5.66	7.93	7.91	10.99	4.19	5.18	4.25	3.39	3.56	3.40
21	3.80	4.28	5.41	8.51	8.16	10.59	4.07	4.83	4.12	3.29	3.50	3.39
22	3.75	4.83	5.07	7.74	8.72	9.11	3.97	4.60	4.03	3.25	3.47	3.38
23	3.84	6.34	5.84	6.60	8.98	7.62	3.90	4.40	3.92	3.32	3.43	3.36
24	4.48	8.96	6.63	5.68	8.68	7.22	3.84	4.21	4.04	3.27	3.40	3.37
25	5.10	11.46	7.62	5.26	8.03	7.33	3.81	4.83	3.83	3.23	3.39	3.36
26	5.92	12.92	8.13	4.93	9.65	7.38	3.80	6.02	3.79	3.25	3.37	3.35
27	6.01	13.38	7.64	4.73	12.05	6.87	3.80	6.43	3.79	3.27	3.37	3.35
28	5.65	13.33	6.65	4.49	14.56	6.12	3.79	6.25	3.75	3.27	3.37	3.35
29	5.18	13.02	5.77	4.32	---	5.47	3.79	5.68	3.63	3.26	3.37	3.36
30	4.75	12.32	5.14	4.15	---	5.08	3.79	5.09	3.56	3.28	3.37	3.35
31	4.41	---	4.72	4.03	---	4.84	---	4.76	---	3.28	3.38	---
MAX	6.01	13.38	10.75	8.51	14.56	15.38	4.95	6.43	5.47	4.10	4.71	3.41
MIN	3.50	3.80	4.28	3.87	3.99	4.60	3.79	3.77	3.56	3.23	3.24	3.35

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: Nov. 15-19, Dec. 3-8, 22-23, Dec. 26 to Jan. 7, Jan. 18-31, Feb. 2-4, 15, 20-21, Mar. 11-17, 22-23, Mar. 28 to Apr. 13, Apr. 19 (indefinite stage-discharge relationship). 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. 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.--49 years, 1,746 ft³/s, 1,265,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft³/s May 2, 1958; maximum gage height, 29.32 ft Jan. 2, 1983. Maximum daily reverse flow 190 ft³/s June 4, 1984; no flow at times in August, September, and October 1952, June 1984, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft³/s was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge observed, 20,800 ft³/s Mar. 3; maximum gage height, 27.18 ft Mar. 4; minimum discharge, unaffected by pumping, 30 ft³/s, Oct. 4, 5; minimum gage height, 0.98 ft Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	135	8990	2000	440	19600	900	86	1670	121	97	228
2	39	102	3600	1500	2500	20200	900	83	1860	128	98	206
3	36	80	2500	1000	4500	20200	800	97	1290	453	145	178
4	34	263	1500	4000	3600	20000	800	104	838	1310	150	139
5	35	3440	1000	6000	2700	19300	750	371	570	1480	152	98
6	37	2850	950	4500	2660	17500	700	497	229	856	528	78
7	38	2550	900	3000	7560	13900	650	687	127	485	445	71
8	36	5440	850	1350	8190	10200	600	608	94	596	475	67
9	79	11000	871	878	5150	8150	500	216	74	363	431	66
10	87	14000	6880	903	2540	4440	450	182	69	225	309	61
11	58	14400	9320	969	1550	3000	420	640	67	200	823	70
12	256	14200	8470	920	1230	1500	400	339	87	193	2700	76
13	995	11900	6670	951	1130	1000	380	205	1500	178	1680	69
14	1150	6440	4930	955	1130	900	1630	262	4210	138	853	67
15	613	3500	2800	728	2500	800	3220	445	2800	94	756	262
16	268	2000	2390	658	7800	700	1840	373	1960	83	655	496
17	153	1000	2420	673	12400	2500	921	336	1390	80	540	344
18	102	800	2240	3500	10900	10800	700	1480	1100	73	440	224
19	75	650	3060	7500	6600	13100	600	1560	1370	66	484	185
20	60	805	2120	9000	4000	11800	468	658	1500	65	457	141
21	50	1730	963	6500	5900	7240	260	270	1080	71	579	116
22	46	3170	800	3500	9860	5000	217	203	611	98	580	141
23	100	11300	2500	2500	10800	3000	194	698	683	177	538	141
24	1860	14800	8570	2200	7740	4580	192	827	648	290	444	114
25	5900	16600	8920	2000	5290	6440	170	2460	534	401	338	98
26	5120	17800	7500	1600	9080	4900	143	5080	294	258	251	86
27	2540	18300	5000	1200	15700	2230	125	5250	187	348	195	78
28	1330	18100	4000	1000	17900	1700	127	2910	134	277	182	75
29	716	17200	3500	900	---	1200	108	1260	118	168	217	71
30	316	14400	3000	700	---	1000	98	728	118	116	266	65
31	200	---	2500	600	---	950	---	1320	---	103	264	---
TOTAL	22365	228955	119714	73685	171350	237830	19263	30235	27212	9494	16072	4111
MEAN	721	7632	3862	2377	6120	7672	642	975	907	306	518	137
MAX	5900	18300	9320	9000	17900	20200	3220	5250	4210	1480	2700	496
MIN	34	80	800	600	440	700	98	83	67	65	97	61
AC-FT	44360	454100	237500	146200	339900	471700	38210	59970	53980	18830	31880	8150

CAL YR 1986 TOTAL 525918 MEAN 1441 MAX 18300 MIN 34 AC-FT 1043000
WTR YR 1987 TOTAL 960286 MEAN 2631 MAX 20200 MIN 34 AC-FT 1905000

RED RIVER BASIN

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07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.07	1.83	23.33	8.90	3.20	26.67	13.61	1.52	5.78	1.63	1.47	2.14
2	1.10	1.63	19.01	8.27	9.37	26.97	13.06	1.50	6.18	1.67	1.47	2.03
3	1.07	1.48	15.05	7.91	13.54	27.10	12.63	1.60	4.95	2.89	1.74	1.90
4	1.03	2.01	13.00	11.39	12.29	27.16	12.14	1.64	3.93	4.96	1.77	1.71
5	1.05	10.22	11.88	15.03	9.63	27.08	11.64	2.67	3.28	5.37	1.78	1.48
6	1.08	10.10	10.94	14.66	8.74	26.78	11.11	3.10	2.25	3.94	3.10	1.33
7	1.08	9.20	10.00	11.48	16.28	26.01	10.57	3.59	1.78	2.99	2.87	1.28
8	1.07	13.36	9.19	8.96	17.85	24.81	10.00	3.38	1.57	3.30	2.96	1.25
9	1.45	20.22	9.24	7.59	14.17	23.54	9.42	2.19	1.43	2.63	2.83	1.24
10	1.53	23.32	15.27	6.81	9.78	21.47	8.88	2.00	1.39	2.13	2.45	1.19
11	1.30	23.74	18.60	6.21	7.56	19.12	8.24	3.48	1.37	2.01	3.70	1.27
12	2.07	23.54	18.31	5.50	6.29	17.36	7.65	2.65	1.53	1.98	7.82	1.32
13	4.32	22.23	16.53	4.95	5.34	16.36	7.11	2.16	5.02	1.90	5.78	1.26
14	4.69	17.50	14.37	4.41	4.68	15.82	7.89	2.37	10.75	1.71	3.92	1.24
15	3.39	12.04	11.69	4.08	7.55	15.41	10.13	2.96	8.80	1.45	3.70	2.14
16	2.41	9.52	11.23	3.88	19.57	14.97	8.03	2.76	6.81	1.37	3.45	3.02
17	1.91	8.06	10.96	3.91	22.24	15.68	5.95	2.65	5.21	1.35	3.14	2.57
18	1.63	6.62	10.69	11.10	20.16	22.19	4.62	5.33	4.53	1.29	2.86	2.11
19	1.44	5.20	12.13	19.66	14.77	23.89	3.70	5.53	5.14	1.23	2.98	1.93
20	1.31	4.63	11.14	20.94	12.69	23.69	3.02	3.50	5.41	1.22	2.91	1.73
21	1.22	6.15	9.78	17.32	19.40	21.78	2.39	2.41	4.46	1.27	3.25	1.59
22	1.18	8.62	9.11	11.76	20.86	18.51	2.21	2.13	3.34	1.46	3.25	1.72
23	1.53	20.57	11.50	9.23	20.19	16.78	2.11	3.61	3.52	1.90	3.14	1.72
24	6.08	24.04	18.61	7.95	17.67	18.36	2.10	3.91	3.44	2.34	2.87	1.58
25	13.61	25.23	19.73	7.30	15.52	19.62	1.99	7.34	3.13	2.74	2.55	1.48
26	13.17	25.88	17.30	6.49	18.97	18.66	1.87	12.14	2.41	2.27	2.23	1.39
27	9.23	26.14	13.46	5.61	24.89	16.65	1.77	12.83	1.95	2.58	1.98	1.33
28	5.86	26.23	11.65	5.07	25.99	15.61	1.78	9.45	1.70	2.33	1.92	1.31
29	3.64	26.12	10.84	4.68	---	14.95	1.67	5.39	1.61	1.85	2.08	1.28
30	2.58	25.45	10.17	4.26	---	14.45	1.60	3.68	1.61	1.60	2.30	1.23
31	2.13	---	9.53	3.81	---	14.01	---	5.03	---	1.51	2.29	---
MAX	13.61	26.23	23.33	20.94	25.99	27.16	13.61	12.83	10.75	5.37	7.82	3.02
MIN	1.03	1.48	9.11	3.81	3.20	14.01	1.60	1.50	1.37	1.22	1.47	1.19

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	133	1730	300	91	2580	370	37	274	154	36	23
2	10	96	1430	250	187	2420	340	39	219	244	35	21
3	9.5	63	1150	240	425	2230	282	43	182	548	36	20
4	9.1	71	941	400	410	2000	229	43	500	666	37	19
5	8.9	628	794	700	325	1760	184	45	700	527	40	18
6	8.7	694	696	640	365	1470	147	49	550	405	46	17
7	8.4	911	609	476	869	1210	116	143	340	650	48	16
8	8.3	1670	536	381	814	1090	89	330	212	512	45	15
9	8.7	2350	496	316	589	1140	71	268	125	337	42	14
10	8.7	2410	514	240	445	942	59	172	83	210	39	15
11	9.2	2110	490	175	365	768	52	231	63	124	40	23
12	53	1720	454	125	293	667	47	230	53	80	55	46
13	209	1310	421	92	220	558	52	170	142	59	73	60
14	244	927	361	74	161	501	500	143	881	49	81	57
15	188	714	336	63	381	447	900	313	1180	43	85	42
16	117	516	507	59	1250	399	800	333	1220	38	89	30
17	71	528	499	68	1200	480	600	238	1110	35	86	23
18	44	465	536	753	886	1550	500	207	966	34	75	20
19	30	397	745	1340	720	1710	380	385	851	33	57	20
20	22	378	616	1150	706	1400	308	326	775	33	46	18
21	18	380	464	845	1100	1090	244	190	709	34	44	17
22	16	591	372	663	1450	866	193	117	610	35	42	16
23	16	1650	766	545	1500	708	152	86	522	42	40	15
24	140	2590	1210	466	1250	1180	121	87	459	52	34	14
25	660	2890	1300	513	1080	1140	90	257	530	55	30	14
26	648	2840	1100	579	1730	842	63	686	458	51	26	13
27	514	2670	900	453	2580	689	47	872	362	46	25	13
28	405	2470	700	356	2640	576	40	658	285	41	25	12
29	332	2250	500	266	---	508	36	437	229	38	23	11
30	247	2010	400	188	---	450	35	393	186	36	23	11
31	180	---	350	129	---	400	---	350	---	37	22	---
TOTAL	4254.5	38432	21923	12845	24032	33771	7047	7878	14776	5248	1425	653
MEAN	137	1281	707	414	858	1089	235	254	493	169	46.0	21.8
MAX	660	2890	1730	1340	2640	2580	900	872	1220	666	89	60
MIN	8.3	63	336	59	91	399	35	37	53	33	22	11
AC-FT	8440	76230	43480	25480	47670	66980	13980	15630	29310	10410	2830	1300
CAL YR 1986	TOTAL 93561.7											
WTR YR 1987	TOTAL 172284.5											
MEAN 256	MEAN 472											
MAX 2890	MAX 2890											
MIN 8.3	MIN 8.3											
AC-FT 185600	AC-FT 341700											

RED RIVER BASIN

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07369500 TENSAS RIVER AT TENDAL, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.13	6.82	19.28	---	6.33	22.45	9.48	5.59	8.11	7.04	5.57	5.36
2	5.12	6.38	18.24	---	7.29	22.20	8.74	5.62	7.64	7.84	5.56	5.33
3	5.10	5.96	17.09	---	9.29	21.73	8.18	5.67	7.30	10.13	5.57	5.31
4	5.09	6.00	15.92	---	9.18	21.06	7.73	5.68	9.88	11.11	5.60	5.29
5	5.09	10.72	14.77	---	8.53	20.20	7.33	5.71	11.70	10.31	5.63	5.27
6	5.08	11.80	13.64	---	8.81	19.17	6.97	5.76	10.52	9.20	5.72	5.25
7	5.07	13.22	12.55	10.73	12.43	18.03	6.62	6.83	8.89	10.86	5.75	5.23
8	5.07	17.09	11.53	9.48	13.00	17.30	6.30	8.57	7.57	10.32	5.70	5.22
9	5.08	19.69	10.72	8.51	11.74	17.19	6.06	8.06	6.72	8.75	5.66	5.21
10	5.08	20.33	10.45	7.83	10.30	16.43	5.90	7.20	6.22	7.56	5.62	5.23
11	5.09	19.80	10.17	7.24	9.17	15.38	5.81	7.74	5.95	6.71	5.64	5.36
12	5.75	18.76	9.78	6.73	8.29	14.31	5.74	7.74	5.81	6.19	5.85	5.71
13	7.55	17.46	9.35	6.34	7.65	13.23	5.80	7.19	6.76	5.90	6.09	5.91
14	7.86	16.06	8.82	6.10	7.11	12.13	10.41	6.92	12.17	5.76	6.19	5.88
15	7.36	14.78	8.62	5.96	8.69	11.03	13.36	8.43	14.38	5.68	6.25	5.67
16	6.64	13.56	9.88	5.89	15.03	10.03	12.49	8.59	14.94	5.61	6.30	5.48
17	6.06	12.39	10.00	6.02	15.75	10.41	11.13	7.81	14.62	5.56	6.26	5.37
18	5.70	11.26	10.18	11.40	14.69	17.00	9.96	7.53	13.85	5.54	6.12	5.31
19	5.48	10.21	11.92	15.89	13.41	18.41	9.07	9.00	13.14	5.53	5.87	5.31
20	5.35	9.47	11.56	15.76	12.90	17.96	8.40	8.53	12.56	5.52	5.72	5.28
21	5.28	9.12	10.37	14.55	14.94	16.91	7.86	7.37	12.03	5.54	5.70	5.25
22	5.24	10.30	9.21	13.29	16.78	15.84	7.41	6.63	11.23	5.55	5.66	5.24
23	5.24	16.15	11.60	12.05	17.45	15.00	7.02	6.26	10.39	5.66	5.63	5.22
24	6.61	19.59	15.30	10.88	16.76	16.38	6.68	6.27	9.67	5.80	5.55	5.21
25	10.96	21.28	---	10.52	16.14	16.58	6.31	7.93	10.04	5.84	5.47	5.20
26	11.44	21.84	---	10.93	18.25	15.59	5.96	11.02	9.60	5.79	5.42	5.19
27	10.63	21.74	---	10.05	21.35	14.52	5.74	12.68	8.82	5.72	5.39	5.18
28	9.58	21.44	---	8.93	22.26	13.51	5.64	11.82	8.21	5.64	5.39	5.16
29	8.64	20.92	---	8.05	---	12.47	5.58	10.53	7.74	5.60	5.37	5.15
30	7.88	20.19	---	7.36	---	11.41	5.56	9.52	7.34	5.58	5.36	5.15
31	7.29	---	---	6.77	---	10.40	---	8.73	---	5.59	5.35	---
MAX	11.44	21.84	19.28	15.89	22.26	22.45	13.36	12.68	14.94	11.11	6.30	5.91
MIN	5.07	5.96	8.62	5.89	6.33	10.03	5.56	5.59	5.81	5.52	5.35	5.15

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 1986 TO SEPTEMBER 1987

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/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 22...	1500	16	415	7.50	19.0	15	57	5.9	2.1	48	240
FEB 04...	1445	410	147	7.20	13.5	80	280	9.4	4.6	K280	K10000
APR 29...	1600	36	422	7.90	24.0	15	30	7.5	4.7	K24	K24
JUL 30...	1330	36	591	7.70	32.0	15	22	9.5	8.1	490	140

DATE	HARD-NESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 22...	160	42	14	22	5.3	169	13	19	0.2	16	240
FEB 04...	53	14	4.3	5.9	3.1	58	10	5.6	0.1	5.1	89
APR 29...	170	44	14	21	4.3	182	10	15	0.2	15	234
JUL 30...	210	54	19	45	4.7	256	14	23	0.3	23	333

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 22...	230	0.71	0.29	0.27	0.7	0.19	0.04	0.03	20	1	120
FEB 04...	84	0.31	0.25	0.08	2.5	0.22	0.06	0.06	20	2	31
APR 29...	230	<0.10	0.11	0.04	1.6	0.21	0.09	0.02	<10	2	120
JUL 30...	340	<0.10	<0.01	0.02	1.8	0.20	0.05	0.05	10	7	140

< 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

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07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 22...	<0.5	<1	<1	<3	2	7	<5	10	260	<0.1
FEB 04...	<0.5	<1	<1	<3	4	83	<5	<4	4	<0.1
APR 29...	<0.5	<1	<1	<3	2	4	<5	7	400	<0.1
JUL 30...	<0.5	<1	<1	<3	6	18	<5	7	390	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 22...	<10	4	<1	<1	170	<6	4	104	4.5	97
FEB 04...	<10	2	<1	<1	59	<6	9	417	462	100
APR 29...	10	1	<1	<1	180	<6	10	44	4.3	100
JUL 30...	<10	1	<1	<1	240	<6	5	70	6.8	100

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

RED RIVER BASIN

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 32°03'20", long 91°13'35", in NE 1/4 SE 1/4 lot 3, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, near left bank on upstream side of Clark Bayou bridge on State Highway 605, 1.5 mi southeast of Newellton.

DRAINAGE AREA.--23.2 mi².

PERIOD OF RECORD.--Water years 1962-63, 1969, 1977, 1978 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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)
OCT 22...	1700	180	9.30	21.0	60	25	14.7	14	K6

DATE	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 22...	<2	70	19	5.5	3.3	4.9	74	3.0	2.5	0.1

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 22...	13	112	97	<0.02	<0.02	0.48	4.8	0.47	0.11

< 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

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07369700 BAYOU MACON NEAR KILBOURNE, LA

LOCATION.--Lat 32°59'35", long 91°15'45", in SW 1/4 SE 1/4 sec.8, T.23 N., R.12 E., East Carroll - West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi south of Arkansas-Louisiana State line, and 3.0 mi east of Kilbourne.

DRAINAGE AREA.--504 mi².

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOL VED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
OCT 22...	1330	480	7.70	19.0	5	20	10.7	4.2	
DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOL VED (MG/L AS CA)	MAGNE- SIUM, DIS- SOL VED (MG/L AS MG)	SODIUM, DIS- SOL VED (MG/L AS NA)	POTAS- SIUM, DIS- SOL VED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOL VED (MG/L AS SO4)
OCT 22...	66	600	190	49	17	23	3.6	194	20
DATE	CHLO- RIDE, DIS- SOL VED (MG/L AS CL)	FLUO- RIDE, DIS- SOL VED (MG/L AS F)	SILICA, DIS- SOL VED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOL VED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOL VED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	
OCT 22...	20	0.2	11	263	260	0.02	0.81	0.16	

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE 1/4 SE 1/4 sec.18, T.17 N., R.10 E., Madison - Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782 mi².

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; and since January 1932 in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949 to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft downstream at same datum. Auxiliary water-stage recorder 7.7 mi downstream from base gage at datum 46.05 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Estimated daily discharges: Nov. 24-29. 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.--52 years, 990 ft³/s, 717,300 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, result of temporary dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft, present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,510 ft³/s Mar. 1, gage height, 21.70 ft; minimum discharge, 44 ft³/s Sept. 6, gage height 6.56 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	111	2200	260	178	7380	550	108	448	230	132	125
2	66	100	1880	245	939	6660	465	118	298	503	157	119
3	66	94	1150	304	1380	5380	343	148	222	896	164	118
4	67	146	764	946	832	4070	285	161	195	566	147	88
5	71	1170	627	1060	518	3100	249	177	201	356	129	61
6	75	823	521	792	629	2480	229	194	158	312	126	46
7	78	946	420	555	1880	1920	217	403	109	407	108	55
8	77	2030	311	419	1680	1630	216	601	80	225	89	62
9	94	2590	303	341	950	2120	217	581	76	166	68	57
10	98	3090	817	302	586	1360	202	706	83	150	58	87
11	92	2950	1160	271	431	764	177	1620	85	150	97	123
12	224	2170	880	241	354	588	157	772	111	149	242	120
13	485	1160	596	219	281	494	192	433	1070	139	299	141
14	391	676	427	201	241	423	1900	404	2130	120	294	151
15	225	458	377	184	873	445	2120	428	1440	109	269	150
16	135	333	558	171	3340	526	1270	312	703	110	232	147
17	104	258	604	194	3610	1260	709	254	433	98	200	140
18	92	210	684	1550	2570	4610	492	653	322	88	164	137
19	84	183	1010	3030	1190	4930	386	617	455	97	286	143
20	79	222	773	3050	1130	3380	322	347	554	127	319	140
21	74	375	540	1770	2440	2300	267	228	572	137	229	141
22	72	1110	399	827	2660	1740	222	205	419	199	194	138
23	80	4150	1090	554	2780	1200	188	728	315	505	168	130
24	560	5400	2350	458	2030	2520	175	670	280	409	156	126
25	1870	6000	2040	715	1280	3150	160	1070	818	311	132	131
26	1170	6500	1210	617	2670	2110	151	1200	523	259	115	133
27	502	6000	730	460	5650	1010	143	1010	319	225	107	137
28	293	5000	517	386	7120	742	136	691	244	179	121	137
29	226	3500	399	321	---	650	118	494	210	149	126	142
30	166	2680	332	257	---	589	112	401	211	130	128	137
31	130	---	286	201	---	576	---	504	---	121	122	---
TOTAL	7810	60435	25955	20901	50222	70107	12370	16238	13084	7622	5178	3562
MEAN	252	2015	837	674	1794	2262	412	524	436	246	167	119
MAX	1870	6500	2350	3050	7120	7380	2120	1620	2130	896	319	151
MIN	64	94	286	171	178	423	112	108	76	88	58	46
AC-FT	15490	119900	51480	41460	99620	139100	24540	32210	25950	15120	10270	7070

CAL YR 1986 TOTAL 155962.7 MEAN 427 MAX 6500 MIN 7.0 AC-FT 309400
WTR YR 1987 TOTAL 293484 MEAN 804 MAX 7380 MIN 46 AC-FT 582100

RED RIVER BASIN

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07370000 BAYOU MACON NEAR DELHI, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.82	7.10	13.16	7.55	7.27	21.63	8.20	6.98	7.99	7.44	7.09	7.06
2	6.84	7.03	10.83	7.50	8.72	21.36	8.03	7.03	7.65	8.11	7.19	7.03
3	6.84	7.00	9.08	7.64	9.36	20.35	7.76	7.16	7.43	8.77	7.22	7.03
4	6.85	7.19	8.58	8.83	8.67	18.79	7.61	7.21	7.34	8.23	7.15	6.88
5	6.88	9.16	8.34	8.98	8.14	17.01	7.51	7.27	7.36	7.79	7.08	6.70
6	6.91	8.75	8.15	8.61	8.29	15.06	7.45	7.32	7.19	7.68	7.06	6.58
7	6.93	8.83	7.93	8.21	9.93	12.75	7.41	7.89	6.98	7.90	6.98	6.66
8	6.92	10.12	7.68	7.93	9.68	10.47	7.41	8.30	6.83	7.43	6.88	6.71
9	7.05	10.98	7.66	7.76	8.83	10.26	7.41	8.26	6.80	7.23	6.75	6.68
10	7.08	11.75	8.62	7.66	8.27	9.33	7.36	8.39	6.85	7.17	6.68	6.86
11	7.04	11.54	9.11	7.58	7.96	8.57	7.27	9.61	6.86	7.17	6.91	7.05
12	7.54	10.35	8.74	7.49	7.79	8.27	7.19	8.57	6.99	7.16	7.48	7.04
13	8.32	9.09	8.29	7.42	7.60	8.09	7.29	7.96	8.83	7.12	7.65	7.13
14	8.11	8.43	7.95	7.36	7.49	7.94	10.01	7.90	10.27	7.03	7.64	7.17
15	7.60	8.02	7.84	7.29	8.48	7.99	10.25	7.95	9.42	6.99	7.57	7.17
16	7.27	7.73	8.22	7.25	12.13	8.15	9.23	7.68	8.46	6.99	7.46	7.15
17	7.11	7.54	8.30	7.31	13.11	9.18	8.48	7.53	7.96	6.93	7.35	7.12
18	7.03	7.39	8.43	9.56	11.27	14.96	8.09	8.35	7.71	6.88	7.22	7.11
19	6.98	7.29	8.92	11.67	9.12	17.30	7.86	8.32	8.01	6.93	7.59	7.13
20	6.94	7.43	8.58	11.69	9.02	16.01	7.71	7.77	8.21	7.07	7.70	7.12
21	6.90	7.83	8.18	9.83	10.74	13.64	7.56	7.44	8.24	7.11	7.45	7.13
22	6.88	8.93	7.89	8.66	11.10	11.07	7.43	7.35	7.93	7.32	7.33	7.11
23	6.94	13.43	8.91	8.21	11.29	9.15	7.31	8.51	7.69	8.11	7.24	7.08
24	8.09	17.59	10.60	8.02	10.13	10.89	7.26	8.40	7.60	7.91	7.19	7.06
25	9.92	19.88	10.15	8.49	9.24	11.85	7.21	8.99	8.65	7.68	7.09	7.08
26	9.15	20.79	9.16	8.33	11.51	10.28	7.17	9.15	8.14	7.54	7.01	7.10
27	8.27	20.45	8.52	8.02	18.01	8.91	7.13	8.91	7.70	7.44	6.97	7.11
28	7.78	19.23	8.14	7.86	20.73	8.54	7.11	8.45	7.50	7.28	7.04	7.11
29	7.55	17.47	7.89	7.70	---	8.39	7.03	8.09	7.39	7.16	7.06	7.13
30	7.35	15.41	7.73	7.53	---	8.28	7.00	7.89	7.39	7.08	7.07	7.11
31	7.20	---	7.62	7.36	---	8.25	---	8.11	---	7.04	7.05	---
MAX	9.92	20.79	13.16	11.69	20.73	21.63	10.25	9.61	10.27	8.77	7.70	7.17
MIN	6.82	7.00	7.62	7.25	7.27	7.94	7.00	6.98	6.80	6.88	6.68	6.58

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in SW 1/4 sec.8, T.14 N., R.4 W., Bienville - Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 mi downstream from McDonald Creek, and 5.4 mi west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

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

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--29 years (water years 1939-57, 1978-87), 410 ft³/s, 297,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s Dec. 28, 1982, gage height, 21.20 ft from flood-mark; 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)
Nov. 26	0900	7,370	15.30	Feb. 28	1700	*9,990	*16.14
Feb. 23	0430	3,550	13.53				

Minimum discharge, 8.1 ft³/s May 23, gage height, 3.12 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	64	1070	341	296	8960	180	27	44	44	19	22
2	19	51	770	299	406	5650	174	26	43	43	20	22
3	22	42	566	326	574	3050	173	25	36	46	20	21
4	24	41	427	771	668	1900	180	24	29	46	19	21
5	24	240	337	1330	716	1280	188	25	24	65	20	21
6	23	631	287	1490	610	917	179	41	21	55	21	21
7	19	927	250	1540	637	676	153	42	21	39	32	20
8	17	2060	227	1180	860	559	137	38	21	33	25	19
9	21	2550	260	842	949	523	125	34	23	27	22	16
10	23	2530	476	612	944	495	114	33	22	28	24	14
11	19	1850	690	502	766	460	107	33	21	32	37	19
12	28	1290	840	465	542	394	99	33	22	37	85	22
13	120	943	893	422	413	329	92	34	22	31	50	20
14	204	662	752	366	352	287	89	29	110	31	39	22
15	181	425	636	328	441	257	96	24	174	31	35	34
16	106	278	935	308	1170	241	100	22	211	23	27	30
17	59	213	1320	307	1910	245	97	19	209	19	23	27
18	40	177	1460	535	2610	387	86	17	230	23	21	27
19	32	155	1610	1080	2080	536	77	14	168	23	20	31
20	22	146	1390	1590	1700	641	69	13	240	22	20	31
21	20	147	1100	2100	2420	662	64	15	230	22	21	31
22	18	179	935	1640	2970	476	57	14	113	20	20	34
23	24	700	858	1070	3400	343	51	9.8	75	16	20	25
24	176	2670	978	707	2660	436	46	12	221	15	19	20
25	533	5640	1110	592	2210	541	41	80	190	13	15	19
26	753	7110	1140	633	2760	587	38	148	207	12	13	18
27	766	5370	1110	593	6180	561	35	191	175	12	20	19
28	587	3480	878	523	9510	403	31	216	103	12	22	18
29	274	2280	635	439	---	289	30	133	64	12	22	16
30	133	1520	477	375	---	228	28	73	49	14	21	17
31	82	---	395	330	---	194	---	53	---	18	21	---
TOTAL	4389	44371	24812	23636	50754	32507	2936	1497.8	3128	864	793	677
MEAN	142	1479	800	762	1813	1049	97.9	48.3	104	27.9	25.6	22.6
MAX	766	7110	1610	2100	9510	8960	188	216	240	65	85	34
MIN	17	41	227	299	296	194	28	9.8	21	12	13	14
AC-FT	8710	88010	49210	46880	100700	64480	5820	2970	6200	1710	1570	1340
CAL YR 1986	TOTAL 142024	MEAN 389	MAX 7110	MIN 11	AC-FT 281700							
WTR YR 1987	TOTAL 190364.8	MEAN 522	MAX 9510	MIN 9.8	AC-FT 377600							

RED RIVER BASIN

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07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.68	4.83	11.22	8.76	8.44	15.83	7.25	3.95	4.47	4.48	3.64	3.77
2	3.62	4.57	10.60	8.46	9.16	14.59	7.16	3.91	4.43	4.42	3.68	3.76
3	3.75	4.36	9.96	8.62	9.99	13.17	7.14	3.90	4.22	4.51	3.68	3.73
4	3.81	4.32	9.29	10.53	10.33	12.25	7.25	3.86	4.01	4.53	3.66	3.72
5	3.83	7.26	8.74	11.63	10.47	11.55	7.38	3.90	3.84	5.00	3.71	3.72
6	3.80	10.14	8.36	11.82	10.13	10.93	7.24	4.37	3.73	4.76	3.74	3.74
7	3.61	10.92	8.05	11.89	10.21	10.34	6.81	4.42	3.73	4.32	4.13	3.71
8	3.55	12.35	7.83	11.41	10.82	9.94	6.53	4.29	3.72	4.14	3.89	3.66
9	3.69	12.80	8.12	10.77	11.01	9.80	6.31	4.18	3.79	3.94	3.78	3.52
10	3.77	12.78	9.54	10.13	10.99	9.67	6.11	4.15	3.77	3.98	3.85	3.45
11	3.61	12.20	10.39	9.70	10.59	9.49	5.96	4.14	3.75	4.12	4.25	3.63
12	3.91	11.57	10.77	9.51	9.86	9.10	5.79	4.13	3.76	4.27	5.49	3.77
13	5.84	10.99	10.89	9.27	9.21	8.68	5.64	4.18	4.12	4.08	4.64	3.69
14	7.13	10.29	10.56	8.93	8.84	8.36	5.58	4.02	5.98	4.09	4.31	3.78
15	6.80	9.27	10.22	8.68	9.30	8.11	5.74	3.85	7.15	4.09	4.20	4.17
16	5.63	8.28	10.95	8.53	11.32	7.96	5.81	3.77	7.65	3.82	3.97	4.05
17	4.73	7.67	11.62	8.52	12.26	8.00	5.74	3.66	7.63	3.66	3.82	3.97
18	4.30	7.21	11.79	9.76	12.85	9.04	5.52	3.57	7.85	3.81	3.72	3.95
19	4.09	6.86	11.97	11.22	12.41	9.84	5.30	3.44	7.06	3.82	3.70	4.10
20	3.76	6.70	11.71	11.94	12.05	10.24	5.11	3.40	7.91	3.79	3.71	4.09
21	3.64	6.72	11.29	12.43	12.70	10.31	4.99	3.49	7.80	3.77	3.72	4.09
22	3.59	7.18	10.98	11.98	13.12	9.54	4.83	3.45	6.06	3.72	3.71	4.16
23	3.79	10.18	10.82	11.21	13.43	8.78	4.65	3.22	5.25	3.54	3.71	3.87
24	6.50	12.85	11.06	10.43	12.89	9.34	4.53	3.35	7.60	3.47	3.66	3.71
25	9.77	14.60	11.30	10.07	12.53	9.87	4.38	5.31	7.37	3.39	3.46	3.66
26	10.53	15.20	11.36	10.21	12.93	10.05	4.30	6.72	7.60	3.34	3.40	3.62
27	10.56	14.49	11.31	10.07	14.83	9.94	4.20	7.39	7.15	3.34	3.70	3.64
28	9.97	13.47	10.85	9.79	16.00	9.15	4.09	7.70	5.87	3.35	3.77	3.62
29	7.92	12.58	10.21	9.37	---	8.38	4.04	6.43	5.00	3.36	3.76	3.52
30	6.07	11.86	9.57	8.98	---	7.84	3.99	5.21	4.60	3.43	3.73	3.55
31	5.20	---	9.11	8.69	---	7.44	---	4.70	---	3.60	3.75	---
MAX	10.56	15.20	11.97	12.43	16.00	15.83	7.38	7.70	7.91	5.00	5.49	4.17
MIN	3.55	4.32	7.83	8.46	8.44	7.44	3.99	3.22	3.72	3.34	3.40	3.45

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.

REVISED RECORDS.--WRD LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft above National Geodetic Vertical Datum of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi upstream from base gage at same datum. Nonrecording gage read twice daily at auxiliary gage from Jan. 3, 1983 to Sept. 30, 1986.

REMARKS.--No estimated daily discharge. Records good. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Several measurements of water temperature were made during the year.

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, 34,600 ft³/s Mar. 2, gage height, 37.84 ft; minimum discharge, 35 ft³/s Oct. 7; minimum gage height, 5.10 ft Oct. 8.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	812	12800	6050	2890	31200	2760	175	746	676	54	75
2	55	844	12900	5000	2580	33500	2250	170	685	537	52	64
3	50	859	12400	4850	2580	30900	1890	210	624	409	71	50
4	45	792	11400	4800	2610	27000	1580	200	555	328	70	46
5	41	757	10200	4840	2560	22400	1330	140	456	270	60	44
6	37	746	8990	5020	2500	18100	1190	160	436	239	52	43
7	35	727	7420	4900	2870	15400	1090	170	364	229	95	41
8	36	849	5640	4660	3500	13200	1030	150	265	235	214	39
9	65	1040	4180	4440	4000	11800	956	160	185	295	259	38
10	181	1460	3280	4190	4050	10700	887	185	148	262	260	38
11	343	1590	2990	3930	4020	9760	834	180	124	234	296	39
12	486	1600	2650	3760	3930	8620	759	160	115	196	1020	41
13	1010	1620	2400	3530	3740	7490	668	170	131	169	1770	42
14	1760	1680	2280	3290	3380	5850	588	193	422	167	2180	42
15	1680	1770	2410	3100	3340	4460	524	195	814	175	2140	40
16	1400	1890	3470	2850	4940	3610	498	190	828	164	1830	39
17	1020	2070	4260	2640	5680	2950	504	180	730	150	1460	43
18	673	2230	4580	3250	6050	5560	535	170	1310	135	919	49
19	567	2250	5420	4300	6140	6580	537	160	1540	114	536	92
20	456	2200	5840	4660	6310	7150	500	150	1450	98	369	180
21	306	1990	6120	4630	7240	7430	455	145	1420	87	246	184
22	279	1730	6790	4440	8350	7090	409	140	1170	115	176	133
23	204	1790	7120	4070	9700	6400	362	150	985	256	134	95
24	337	3600	8150	3780	11100	6480	322	210	1030	208	109	73
25	583	5610	8920	3550	12700	6630	290	828	1180	141	93	59
26	753	7540	9360	3480	14900	6380	265	1770	1470	113	82	52
27	905	8810	9220	3560	19000	5960	248	1370	1590	89	79	49
28	928	9780	8860	3630	25800	5470	232	1010	1320	78	86	48
29	934	10700	8450	3630	---	4920	212	879	968	74	85	47
30	900	11900	7820	3460	---	4290	192	828	783	67	79	43
31	846	---	7040	3200	---	3510	---	784	---	60	84	---
TOTAL	16975	91236	213360	125490	186460	340790	23897	11582	23844	6370	14960	1868
MEAN	548	3041	6883	4048	6659	10990	797	374	795	205	483	62.3
MAX	1760	11900	12900	6050	25800	33500	2760	1770	1590	676	2180	184
MIN	35	727	2280	2640	2500	2950	192	140	115	60	52	38
CFSM	.29	1.60	3.62	2.13	3.51	5.79						

RED RIVER BASIN

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07372200 LITTLE RIVER NEAR ROCHELLE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.57	11.58	32.43	27.68	19.20	37.56	23.57	9.00	11.54	11.69	5.51	5.71
2	5.48	11.71	32.73	26.26	18.30	37.82	22.17	9.19	11.17	11.04	5.42	5.54
3	5.39	11.70	32.49	24.44	18.23	37.55	21.00	10.05	10.75	10.42	5.67	5.40
4	5.30	11.21	31.93	24.66	18.33	36.92	19.98	9.96	10.31	9.86	5.73	5.33
5	5.22	11.22	31.21	25.40	18.17	36.14	19.10	9.77	10.10	9.43	5.59	5.29
6	5.14	11.43	30.35	25.45	18.00	35.24	18.32	9.93	10.17	9.19	5.45	5.27
7	5.11	11.08	29.27	25.11	19.98	34.19	17.64	11.13	9.90	9.24	5.84	5.23
8	5.12	11.90	27.80	24.51	21.92	33.22	17.01	10.49	9.64	9.18	7.35	5.20
9	5.52	13.41	25.75	23.91	22.36	32.38	16.38	9.94	9.50	9.23	7.65	5.17
10	6.77	14.30	23.08	23.44	22.49	31.62	15.76	9.83	9.43	8.81	7.88	5.16
11	8.13	14.67	20.52	22.96	22.46	30.90	15.13	11.24	9.41	8.37	8.03	5.18
12	9.12	14.72	19.14	22.19	22.25	30.17	14.50	11.14	9.42	7.88	12.31	5.23
13	12.15	14.77	18.56	21.35	21.78	29.40	13.87	11.14	9.55	7.41	15.40	5.24
14	15.42	15.01	18.13	20.65	20.70	28.54	13.23	11.56	10.16	7.15	16.86	5.24
15	15.09	15.36	18.19	19.97	20.59	27.47	12.61	11.25	11.74	7.10	16.75	5.20
16	14.15	15.86	21.89	19.16	24.94	26.06	12.08	10.50	12.06	6.98	15.65	5.19
17	12.78	16.50	23.76	18.39	26.46	25.26	11.65	10.35	11.85	6.82	14.35	5.25
18	11.33	17.02	24.30	21.31	26.80	27.54	11.35	10.56	14.39	6.67	12.35	5.38
19	10.22	17.10	26.01	24.43	26.76	28.44	11.08	10.13	14.88	6.39	10.24	5.91
20	9.49	16.97	27.07	25.02	26.96	28.77	10.69	9.88	14.63	6.16	8.87	6.94
21	8.86	16.27	27.43	24.73	28.25	28.81	10.27	9.74	14.65	6.00	7.91	7.13
22	8.18	15.22	27.53	23.90	29.43	28.56	9.85	9.64	13.77	7.95	7.15	6.68
23	7.61	15.46	28.29	22.94	30.34	28.18	9.57	9.68	12.94	11.40	6.62	6.19
24	8.07	21.39	29.37	22.02	31.25	28.29	9.40	9.99	13.45	9.63	6.27	5.83
25	11.06	26.73	30.00	21.31	32.33	28.46	9.27	12.69	14.18	7.69	6.03	5.58
26	11.84	28.82	30.23	21.09	33.64	28.22	9.17	15.67	14.43	6.68	5.87	5.44
27	11.97	29.73	30.20	21.23	35.02	27.79	9.11	14.94	14.82	6.16	5.82	5.38
28	12.06	30.38	30.01	21.40	36.46	27.28	9.09	13.17	14.11	5.91	5.91	5.35
29	12.10	31.00	29.70	21.44	---	26.73	9.06	12.47	12.88	5.83	5.92	5.32
30	11.95	31.70	29.24	21.11	---	26.04	9.01	12.06	12.11	5.72	5.81	5.26
31	11.66	---	28.60	20.31	---	24.99	---	11.79	---	5.63	5.84	---
MAX	15.42	31.70	32.73	27.68	36.46	37.82	23.57	15.67	14.88	11.69	16.86	7.13
MIN	5.11	11.08	18.13	18.39	18.00	24.99	9.01	9.00	9.41	5.63	5.42	5.16

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW 1/4 SE 1/4 sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi upstream from Sugar Branch, 0.8 mi upstream from water-supply diversion dam, 0.8 mi north of Pollock, and 1.3 mi downstream from Dyson Creek.

DRAINAGE AREA.--51 mi², approximately.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR LA 75-1: 1958(M), 1966(M).

GAGE.--Duplex water-stage recorder (rain gage and water stage combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1942, non-recording gage, and Feb. 25, 1942 to June 21, 1955, water-stage recorder at site 0.3 mi downstream at same datum; June 21, 1955 to May 18, 1964, water-stage recorder at present site and datum.

REMARKS.--Estimated daily discharges: Mar. 13-16, Apr. 12 to May 6. Records good. Recording rain gage at present site.

AVERAGE DISCHARGE.--45 years, 62.2 ft³/s, 16.56 in/yr, 45,060 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 23,500 ft³/s Apr. 29, 1953, gage height, 18.03 ft; minimum, 3.7 ft³/s Sept. 29, 1956, gage height, 1.08 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 25	1530	1,280	9.75	Mar. 18	0030	*1,760	*10.59
Feb. 26	1800	1,660	10.45				

Minimum discharge 13 ft³/s Oct. 2, 3, 4; minimum gage height, 2.84 ft Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	16	43	38	35	248	44	24	28	27	20	19
2	13	16	38	35	47	106	42	24	31	23	20	17
3	13	17	33	93	45	80	45	25	27	22	19	16
4	13	22	32	143	38	69	42	100	26	64	18	16
5	16	51	31	64	37	62	39	120	25	76	18	16
6	16	27	30	51	56	58	38	84	24	48	18	16
7	14	24	30	46	77	62	37	62	24	45	20	16
8	14	51	29	42	54	223	36	58	24	31	19	16
9	17	36	34	46	43	136	35	56	34	27	24	16
10	18	25	47	53	38	74	33	89	39	25	32	17
11	16	21	42	44	37	59	35	65	32	23	46	24
12	27	20	39	39	36	62	34	48	28	22	76	21
13	93	19	33	37	36	56	32	188	25	22	33	18
14	39	19	31	38	34	52	32	93	25	21	25	18
15	23	19	90	37	283	50	31	76	26	20	23	18
16	19	19	169	37	260	49	31	93	27	21	22	19
17	17	21	66	127	79	408	30	50	25	20	20	24
18	16	20	120	402	58	864	30	42	25	19	19	47
19	16	19	177	171	51	186	29	37	23	18	18	44
20	15	18	71	74	283	93	29	33	25	22	18	27
21	15	18	52	58	390	76	28	35	47	454	18	22
22	15	20	77	52	240	66	28	82	30	120	17	19
23	27	76	412	46	136	77	27	53	25	41	17	18
24	112	579	221	45	140	226	27	65	22	31	16	18
25	51	1100	79	44	164	86	26	44	22	27	16	17
26	27	440	59	43	1010	65	26	38	21	25	17	17
27	23	95	52	41	882	59	26	32	25	24	24	17
28	20	66	47	38	592	53	25	51	47	23	30	17
29	19	54	44	38	---	50	25	47	32	22	22	20
30	18	47	42	37	---	47	25	35	30	21	19	23
31	17	---	40	34	---	46	---	31	---	20	19	---
TOTAL	773	2975	2310	2093	5181	3848	967	1880	844	1404	723	613
MEAN	24.9	99.2	74.5	67.5	185	124	32.2	60.6	28.1	45.3	23.3	20.4
MAX	112	1100	412	402	1010	864	45	188	47	454	76	47
MIN	13	16	29	34	34	46	25	24	21	18	16	16
CFSM	.49	1.95	1.46	1.32	3.63	2.43	.63	1.19	.55	.89	.46	.40
IN.	.56	2.17	1.68	1.53	3.78	2.81	.71	1.37	.62	1.02	.53	.45
AC-FT	1530	5900	4580	4150	10280	7630	1920	3730	1670	2780	1430	1220
(+)	6.18	9.00	5.12	3.34	9.72	5.11	3.60	4.69	3.47	4.07	2.82	1.88

CAL YR 1986 TOTAL 13392 MEAN 36.7 MAX 1100 MIN 10 CFSM .72 IN. 9.77 AC-FT 26560
WTR YR 1987 TOTAL 23611 MEAN 64.7 MAX 1100 MIN 13 CFSM 1.27 IN. 17.22 AC-FT 46830

+ Precipitation, in inches, during month at rain gage at station: total for calendar year 1986, 41.23 inches; total for water year 1987, 59.00 inches.

RED RIVER BASIN

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07373000 BIG CREEK AT POLLOCK, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	2.93	3.31	3.26	3.23	4.50	3.32	---	3.14	3.12	3.00	2.98
2	2.85	2.93	3.26	3.23	3.35	3.72	3.30	---	3.18	3.06	3.00	2.94
3	2.84	2.94	3.21	3.66	3.33	3.59	3.33	---	3.12	3.04	2.98	2.93
4	2.85	3.03	3.20	3.88	3.26	3.52	3.30	---	3.11	3.48	2.97	2.92
5	2.92	3.38	3.18	3.48	3.25	3.47	3.27	---	3.10	3.56	2.96	2.92
6	2.92	3.13	3.17	3.38	3.42	3.44	3.26	---	3.08	3.36	2.97	2.93
7	2.87	3.08	3.16	3.34	3.57	3.47	3.25	3.45	3.08	3.33	3.00	2.91
8	2.86	3.38	3.15	3.30	3.41	4.26	3.24	3.44	3.07	3.18	2.98	2.92
9	2.95	3.24	3.22	3.34	3.31	3.85	3.23	3.42	3.22	3.12	3.08	2.93
10	2.96	3.10	3.35	3.40	3.26	3.55	3.21	3.64	3.27	3.09	3.19	2.94
11	2.91	3.03	3.30	3.32	3.25	3.45	3.23	3.49	3.20	3.06	3.34	3.07
12	3.13	3.00	3.27	3.27	3.24	3.47	---	3.36	3.14	3.04	3.56	3.03
13	3.66	2.98	3.21	3.25	3.24	---	---	4.19	3.10	3.04	3.21	2.97
14	3.27	2.98	3.18	3.26	3.22	---	---	3.66	3.10	3.03	3.10	2.96
15	3.06	2.98	3.56	3.25	4.82	---	---	3.53	3.11	3.01	3.06	2.96
16	2.98	2.99	3.99	3.25	4.62	---	---	3.66	3.13	3.03	3.04	2.98
17	2.95	3.02	3.50	3.75	3.58	5.42	---	3.37	3.09	3.00	3.01	3.08
18	2.93	3.00	3.75	5.59	3.44	8.20	---	3.30	3.09	2.98	2.99	3.35
19	2.91	2.98	4.03	4.00	3.38	4.10	---	3.25	3.06	2.96	2.97	3.32
20	2.90	2.97	3.53	3.55	4.89	3.66	---	3.21	3.10	3.02	2.96	3.12
21	2.89	2.97	3.39	3.44	5.50	3.56	---	3.23	3.35	5.99	2.96	3.04
22	2.89	3.01	3.50	3.39	4.36	3.50	---	3.60	3.17	3.75	2.95	2.99
23	3.12	3.45	5.67	3.34	3.85	3.57	---	3.40	3.09	3.29	2.94	2.97
24	3.72	6.66	4.25	3.33	3.87	4.28	---	3.49	3.04	3.18	2.93	2.96
25	3.38	9.27	3.58	3.32	3.97	3.62	---	3.32	3.04	3.13	2.93	2.95
26	3.13	5.83	3.45	3.31	8.23	3.49	---	3.26	3.02	3.10	2.94	2.95
27	3.06	3.67	3.39	3.29	8.18	3.45	---	3.19	3.10	3.08	3.07	2.94
28	3.01	3.50	3.35	3.26	6.92	3.40	---	3.38	3.35	3.06	3.17	2.94
29	2.98	3.41	3.32	3.26	---	3.37	---	3.35	3.20	3.05	3.04	3.01
30	2.96	3.35	3.30	3.25	---	3.35	---	3.23	3.16	3.03	2.98	3.06
31	2.95	---	3.28	3.22	---	3.34	---	3.18	---	3.01	2.99	---
MAX	3.72	9.27	5.67	5.59	8.23	8.20	3.33	4.19	3.35	5.99	3.56	3.35
MIN	2.84	2.93	3.15	3.22	3.22	3.34	---	---	3.02	2.96	2.93	2.91

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 1986 TO SEPTEMBER 1987

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE 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)
OCT 21...	1445	—	15	43	7.00	15.5	30	4.5	9.8	1.1	82
FEB 05...	1345	—	37	40	6.90	14.5	30	4.1	10.1	1.1	<2
APR 30...	1545	25	—	40	6.90	22.5	30	3.0	8.4	1.7	<2
JUL 30...	1630	—	21	47	7.10	29.0	30	7.5	7.3	1.5	220

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 21...	320	8	1.8	0.80	4.6	1.6	13	0.4	4.3	<0.1	21
FEB 05...	52	8	1.8	0.80	4.2	1.2	11	1.6	3.4	<0.1	17
APR 30...	120	8	1.8	0.80	4.4	1.3	13	3.0	4.0	<0.1	19
JUL 30...	250	9	2.1	0.88	4.5	1.6	13	0.4	4.5	0.1	20

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS Al)	ARSENIC DIS- SOLVED (UG/L AS As)
OCT 21...	52	43	<0.10	<0.01	0.03	0.4	0.04	0.02	0.01	30	<1
FEB 05...	37	36	<0.10	0.01	0.01	0.4	0.05	0.03	<0.01	40	<1
APR 30...	34	42	<0.10	0.01	0.03	0.7	0.03	0.04	0.01	30	<1
JUL 30...	48	48	<0.10	0.02	0.03	0.8	0.23	0.04	0.04	30	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).

RED RIVER BASIN

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07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 21...	26	<0.5	<1	<1	<3	1	300	<5	<4	38	0.1
FEB 05...	27	<0.5	<1	<1	<3	1	200	<5	<4	51	<0.1
APR 30...	23	<0.5	<1	<1	<3	2	220	<5	<4	55	<0.1
JUL 30...	30	<0.5	<1	<1	<3	3	280	<5	<4	74	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	<10	<1	<1	<1	16	<6	7	5	0.28	100
FEB 05...	<10	<1	<1	<1	19	<6	6	2	0.20	100
APR 30...	<10	<1	<1	<1	20	<6	19	7	0.47	100
JUL 30...	<10	<1	<1	<1	20	<6	5	5	0.28	100

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 21...	<0.4	0.5	1.7	0.7	1.6	0.7	0.03	0.01
APR 30...	<0.4	<0.4	1.4	0.4	1.3	0.4	0.02	0.02

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

07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.--Lat 31°35'04", long 92°07'55", in NW 1/4 NE 1/4 in lot 39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi east of Nebo, 1.4 mi upstream from Mason Creek, and 2.2 mi downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi².

PERIOD OF RECORD.--Occasional low-flow and miscellaneous measurements, water years 1956-63, 1966-67, 1970. August 1978 to current year.

REVISED RECORDS.--WRD LA-82-1: 1979-81(M).

GAGE.--Water-stage recorder. Datum of gage is 46.58 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Apr. 29 to May 7, July 2 to Aug. 10. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--9 years, 59.8 ft³/s, 23.01 in/yr, 43,320 acre-ft/yr. The figures in the 1986 report were published in error; the correct figures are 8 years, 60.3 ft³/s, 23.20 in/yr, 43,690 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s Dec. 27, 1982, gage height, 14.2 ft; from flood-marks, from rating curve extended above 6,000 ft³/s on basis of slope-area measurement at gage height 14.2 ft; minimum, 8.2 ft³/s part of each day Aug. 4, 5, 6, 11, 12, 13, 14, 1985, minimum gage height, 2.16 ft Aug. 4, 5, 6, 11, 12, 13, 14, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 17	1815	*3,120	*9.26	No other peak greater than base discharge.			
Minimum discharge, 16 ft ³ /s part or all of each day Oct. 1, 2, 3, 4, 5-7, 8, 11; minimum gage height, 2.31 ft Oct. 2, 3, 4, 5, 6.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	19	31	25	34	100	40	23	22	37	20	20
2	16	18	29	25	45	64	39	23	21	28	18	19
3	16	18	27	213	37	53	39	23	23	24	17	18
4	16	22	26	172	34	47	37	25	24	44	17	18
5	16	38	25	57	33	51	36	70	21	54	17	18
6	16	22	25	45	48	52	36	50	21	40	17	18
7	16	22	25	41	48	62	40	33	20	28	19	18
8	17	113	24	38	38	168	37	31	20	26	18	18
9	19	30	36	41	33	74	36	31	20	25	20	18
10	18	22	49	43	32	49	35	31	20	23	22	20
11	17	20	33	36	30	44	35	30	21	21	37	43
12	22	20	30	34	29	41	34	34	32	20	95	22
13	107	20	27	34	28	38	35	33	32	20	36	20
14	29	20	25	34	27	38	34	28	24	19	25	19
15	21	20	117	33	258	38	32	27	59	19	23	19
16	20	19	84	33	77	37	31	24	33	20	22	19
17	20	19	37	127	47	995	30	23	151	19	21	63
18	19	18	136	534	42	257	29	23	179	18	21	33
19	18	18	81	107	39	92	28	23	535	17	20	25
20	18	18	38	64	439	70	27	23	151	20	20	22
21	18	18	30	55	157	62	26	22	61	300	19	21
22	18	21	79	50	154	57	26	24	49	80	19	20
23	36	30	533	46	71	179	26	24	43	30	19	20
24	144	507	92	44	97	132	27	33	181	25	18	20
25	43	745	49	48	80	61	27	82	52	24	18	20
26	24	108	38	42	997	58	26	28	41	22	19	20
27	22	56	33	40	163	52	25	24	37	21	24	20
28	20	42	31	39	588	47	25	24	35	20	21	20
29	20	36	29	37	---	45	24	23	34	19	20	21
30	19	33	28	35	---	45	23	24	39	19	21	20
31	19	---	27	34	---	42	---	23	---	25	20	---
TOTAL	841	2112	1874	2206	3705	3150	945	939	2001	1107	723	672
MEAN	27.1	70.4	60.5	71.2	132	102	31.5	30.3	66.7	35.7	23.3	22.4
MAX	144	745	533	534	997	995	40	82	535	300	95	63
MIN	16	18	24	25	27	37	23	22	20	17	17	18
CFSM	.77	1.99	1.71	2.02	3.74	2.89	.89	.86	1.89	1.01	.66	.63
IN.	.89	2.23	1.97	2.32	3.90	3.32	.00	.99	2.11	1.17	.76	.71
AC-FT	1670	4190	3720	4380	7350	6250	1870	1860	3970	2200	1430	1330
CAL YR 1986	TOTAL 11919	MEAN 32.7	MAX 745	MIN 14	CFSM .93	IN. 12.56	AC-FT 23640					
WTR YR 1987	TOTAL 20275	MEAN 55.5	MAX 997	MIN 16	CFSM 1.57	IN. 21.37	AC-FT 40220					

RED RIVER BASIN

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07373250 HEMPHILL CREEK AT NEBO, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.35	2.38	2.57	2.44	2.51	3.44	2.80	---	2.44	2.77	---	2.50
2	2.32	2.38	2.54	2.42	2.71	3.06	2.78	---	2.43	---	---	2.48
3	2.33	2.38	2.51	3.63	2.57	2.91	2.78	---	2.46	---	---	2.47
4	2.33	2.46	2.48	3.85	2.52	2.83	2.74	---	2.48	---	---	2.47
5	2.32	2.75	2.46	2.85	2.50	2.88	2.72	---	2.43	---	---	2.47
6	2.32	2.47	2.45	2.66	2.76	2.90	2.72	---	2.42	---	---	2.46
7	2.32	2.47	2.45	2.59	2.77	3.02	2.79	---	2.41	---	---	2.46
8	2.35	3.42	2.44	2.53	2.60	3.98	2.74	2.63	2.40	---	---	2.46
9	2.40	2.63	2.65	2.59	2.52	3.17	2.72	2.64	2.41	---	---	2.46
10	2.35	2.47	2.87	2.62	2.49	2.85	2.71	2.63	2.40	---	---	2.50
11	2.34	2.43	2.62	2.51	2.47	2.78	2.71	2.61	2.42	---	2.71	2.85
12	2.45	2.42	2.55	2.48	2.45	2.72	2.68	2.68	2.63	---	3.20	2.56
13	3.27	2.41	2.49	2.46	2.44	2.67	2.70	2.67	2.64	---	2.80	2.50
14	2.61	2.41	2.46	2.47	2.42	2.68	2.69	2.58	2.50	---	2.62	2.49
15	2.45	2.41	3.30	2.45	3.95	2.68	2.65	2.55	2.89	---	2.58	2.48
16	2.42	2.40	3.25	2.44	3.16	2.65	2.64	2.49	2.66	---	2.56	2.49
17	2.41	2.39	2.68	3.14	2.79	5.15	2.62	2.47	3.18	---	2.54	2.94
18	2.39	2.38	3.48	5.43	2.70	4.36	2.59	2.46	3.91	---	2.53	2.76
19	2.38	2.38	3.21	3.45	2.66	3.41	2.57	2.46	4.93	---	2.52	2.63
20	2.38	2.38	2.67	2.96	4.44	3.19	2.55	2.46	3.82	---	2.50	2.55
21	2.38	2.37	2.53	2.83	3.87	3.09	2.54	2.45	3.10	---	2.49	2.53
22	2.37	2.45	2.99	2.75	3.87	3.03	2.53	2.49	2.95	---	2.48	2.51
23	2.69	2.58	5.33	2.69	3.11	3.70	2.53	2.48	2.85	---	2.48	2.51
24	3.60	5.24	3.35	2.66	3.35	3.67	2.55	2.58	3.89	---	2.47	2.51
25	2.82	5.72	2.85	2.74	3.22	3.08	2.55	3.22	2.98	---	2.47	2.51
26	2.52	3.51	2.68	2.64	6.09	3.04	2.54	2.57	2.82	---	2.48	2.50
27	2.46	2.97	2.59	2.60	3.93	2.96	2.52	2.50	2.76	---	2.58	2.50
28	2.43	2.78	2.54	2.58	5.30	2.89	2.52	2.48	2.73	---	2.54	2.50
29	2.41	2.68	2.51	2.56	---	2.85	---	2.46	2.71	---	2.49	2.53
30	2.40	2.62	2.48	2.53	---	2.86	---	2.49	2.79	---	2.52	2.51
31	2.39	---	2.46	2.51	---	2.82	---	2.48	---	---	2.51	---
MAX	3.60	5.72	5.33	5.43	6.09	5.15	2.80	---	4.93	---	3.20	2.94
MIN	2.32	2.37	2.44	2.42	2.42	2.65	---	2.45	2.40	---	---	2.46

RED RIVER BASIN

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'23", long 91°27'42", lot 46, T.8 N., R.10 E., Concordia Parish, Hydrologic Unit 08040306, near left bank on upstream side of bridge on State Highway 568, 8.0 mi southwest of Waterproof.

DRAINAGE AREA.--14.8 mi².

PERIOD OF RECORD.--Water years 1963, 1967, 1977 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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)
OCT 22...	1800	108	7.20	21.0	5	5.9	6.2	4.4	K2

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 22...	22	34	7.5	3.6	5.4	4.3	36	3.0	8.3	<0.1

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 22...	15	79	69	0.20	0.22	0.33	1.4	0.12	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).

RED RIVER BASIN

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07373280 LAKE CONCORDIA NEAR FERRIDAY, LA

LOCATION.--Lat 31°37'30", long 91°32'35", In lot 57, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, on upstream side of second control structure at Ferriday.

DRAINAGE AREA.--8.9 mi².

PERIOD OF RECORD.--Water years 1961, 1967, 1978 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 22...	1845	320	8.30	21.0	5	4.7	8.7	6.2	K3	K20

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 22...	140	33	15	11	4.3	153	2.9	9.2	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 22...	14	188	180	0.02	0.27	1.6	0.24	0.13

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
(National stream-quality accounting network station)

LOCATION.--Lat 30°45'30", long 91°23'45", in lot 31, T.3 S., R.11 E., Pointe Coupee-West Feliciana Parish line, Hydrologic Unit 08070100, at State Highway 10 Ferry Crossing, 2.0 mi southwest of St. Francisville, and at mile 266.0.

DRAINAGE AREA.--1,125,300 mi², contributing.

PERIOD OF RECORD.--Water years 1954 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1972, October 1974 to current year.

WATER TEMPERATURES: August 1954 to September 1972, October 1974 to current year.

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to current year.

DISSOLVED SOLIDS: October 1978 to current year.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, MS (station 07295100). Corps of Engineers station 01139. Daily water temperature data unavailable for 1987 water 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, 150 mg/L Dec. 21-31, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 531 microsiemens June 16; minimum daily 318 microsiemens Mar. 22.

CHLORIDE: Maximum daily, 42 mg/L June 9; minimum daily, 14 Jan. 2, 5.

DISSOLVED SOLIDS: Maximum, 323 mg/L June 11-20; minimum, 200 mg/L Mar. 11-20.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/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 06...	1330	400000	450	8.00	26.0	10	140	<1	6.9	0.8	32	900
NOV 18...	1045	697000	409	7.80	—	30	57	<1	9.3	1.0	20	1600
DEC 08...	1200	722000	370	7.80	9.5	10	58	<1	10.2	0.7	18	1800
JAN 27...	1100	443000	441	7.60	—	10	39	<1	12.2	3.0	15	1400
FEB 09...	1000	457000	376	7.50	6.5	10	37	<1	12.6	2.6	11	750
MAR 03...	0930	643000	402	7.40	9.5	15	60	<1	11.1	1.9	—	1000
APR 07...	1030	681000	390	7.80	12.5	30	83	<1	9.6	1.6	—	540
MAY 11...	1000	479000	406	7.60	21.5	5	50	<1	7.5	0.7	16	700
JUN 09...	1030	298000	542	7.80	28.0	10	73	<1	7.1	0.9	<10	K3800
JUL 13...	1045	325000	472	7.80	30.0	5	65	<1	6.9	1.1	36	360
AUG 13...	1230	220000	468	7.70	31.0	5	39	<1	6.4	0.9	<10	K260
SEP 01...	1030	208000	506	7.90	27.0	5	45	<1	6.6	1.6	33	K120

< 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 1986 TO SEPTEMBER 1987

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 06...	160	120	170	43	15	27	3.8	125	62	24	--	--
NOV 18...	140	74	170	43	14	19	3.9	121	54	20	0.3	9.5
DEC 08...	200	220	140	39	11	16	3.1	102	50	17	<0.1	8.8
JAN 27...	K80	300	170	42	16	26	3.1	117	51	29	--	--
FEB 09...	K160	280	140	38	11	20	2.5	99	50	21	0.2	10
MAR 03...	240	250	150	36	14	--	--	106	45	28	--	--
APR 07...	K60	<4	150	39	12	20	2.7	109	43	22	0.2	7.5
MAY 11...	K80	K20	160	40	14	--	--	110	50	20	--	--
JUN 09...	K300	K28	170	43	14	38	3.6	121	74	50	0.2	4.3
JUL 13...	140	K24	180	44	16	--	--	123	68	30	--	--
AUG 13...	140	220	190	48	16	24	3.7	134	62	19	0.3	5.4
SEP 01...	K32	K20	180	43	18	--	--	134	78	28	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 06...	--	--	457	0.01	--	0.98	--	--	--	--	0.44	0.51
NOV 18...	239	240	134	0.02	0.02	1.6	1.6	0.04	0.03	0.6	0.7	0.12
DEC 08...	221	210	166	0.02	<0.01	1.4	1.4	0.04	0.02	0.7	0.8	0.23
JAN 27...	--	--	109	0.01	--	1.2	--	--	--	0.79	0.44	0.11
FEB 09...	226	210	91	0.02	0.01	1.1	1.0	0.09	0.07	0.8	0.8	0.05
MAR 03...	--	--	263	0.03	--	1.4	--	--	--	0.83	0.33	0.28
APR 07...	232	210	248	--	--	--	--	--	--	--	--	--
MAY 11...	--	--	183	0.01	--	1.4	--	--	--	1.1	0.32	0.36
JUN 09...	305	300	199	0.01	<0.01	1.1	1.1	0.04	0.02	1.1	0.8	0.38
JUL 13...	--	--	357	0.01	--	1.4	--	--	--	--	0.52	0.37
AUG 13...	263	260	75	<0.01	<0.01	1.2	1.2	0.02	0.02	1.4	0.6	0.37
SEP 01...	--	--	150	<0.01	--	0.80	--	--	--	1.0	0.60	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).

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	PHOS- PHORUS, DIS- SOL VED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOL VED (MG/L AS P)	ALUM- INUM, DIS- SOL VED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOL VED (UG/L AS AS)	BARIUM, DIS- SOL VED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOL VED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOL VED (UG/L AS CD)	CHRO- MIUM, DIS- SOL VED (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 06...	--	0.13	--	3	2	71	<10	<0.5	<1	<1	--	10
NOV 18...	0.10	0.07	20	--	2	74	<10	<0.5	<1	1	<1	<10
DEC 08...	0.07	0.05	--	2	1	--	<10	<0.5	1	<1	--	<10
JAN 27...	--	--	--	2	<1	--	<10	<10	4	3	--	<10
FEB 09...	0.05	0.04	30	2	1	53	<10	<0.5	<1	<1	<1	<10
MAR 03...	--	--	--	1	<1	--	<10	<10	20	1	--	10
APR 07...	--	--	20	2	<1	60	<10	<0.5	<1	<1	<1	<10
MAY 11...	--	--	--	3	<1	--	<10	<10	1	<1	--	10
JUN 09...	0.13	0.06	--	2	--	--	<10	--	<1	--	--	20
JUL 13...	--	--	--	4	2	--	<10	<10	1	1	--	<10
AUG 13...	0.10	0.07	20	3	2	78	<10	<0.5	1	1	2	40
SEP 01...	--	--	--	4	2	--	<10	<10	1	<1	--	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COBALT, DIS- SOL VED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOL VED (UG/L AS CU)	IRON, DIS- SOL VED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOL VED (UG/L AS PB)	LITHIUM DIS- SOL VED (UG/L AS LI)	MANGA- NESE, DIS- SOL VED (UG/L AS MN)	MERCURY DIS- SOL VED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOL VED (UG/L AS MO)
OCT 06...	--	--	18	6	4	16	<5	--	--	<0.1	0.1	--
NOV 18...	<1	<3	13	6	16	<5	<5	13	3	<0.1	0.6	<10
DEC 08...	<1	--	14	4	10	6	<5	--	--	<0.1	0.1	--
JAN 27...	<1	--	10	6	20	8	<5	--	--	0.1	0.2	--
FEB 09...	<1	<3	11	4	26	8	<5	9	6	<0.1	<0.1	<10
MAR 03...	<1	--	20	4	30	10	<5	--	--	0.3	0.2	--
APR 07...	<1	20	14	<1	30	6	<5	16	4	<0.1	0.1	<10
MAY 11...	<1	--	20	6	<8	10	<5	--	--	<0.1	0.1	--
JUN 09...	<1	--	16	--	--	5	--	--	--	--	<0.1	--
JUL 13...	<1	--	20	10	30	10	<5	--	--	<0.1	<0.1	--
AUG 13...	<1	<3	11	8	7	<5	<5	6	2	<0.1	0.3	<10
SEP 01...	<1	--	10	7	<8	10	<5	--	--	<0.1	<0.1	--

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

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 06...	12	2	<1	<1	--	--	2	310	5	8.1	<0.01
NOV 18...	7	3	--	<1	<1	180	<6	30	8	5.8	<0.01
DEC 08...	10	<1	1	<1	--	--	1	40	5	5.4	<0.01
JAN 27...	10	<1	<1	<1	--	--	<30	20	<10	2.5	<0.02
FEB 09...	8	<1	<1	<1	<1	180	<6	20	8	6.4	<0.01
MAR 03...	10	3	<1	<1	--	--	<35	40	<10	3.0	<0.02
APR 07...	10	1	<1	<1	<1	190	<6	40	17	--	--
MAY 11...	10	10	<1	<1	--	--	<48	40	<10	4.0	<0.02
JUN 09...	13	--	<1	--	--	--	--	30	--	6.7	<0.01
JUL 13...	6	1	<1	<1	--	--	<2	30	10	3.5	<0.02
AUG 13...	6	1	2	<1	<1	230	<6	20	9	5.5	<0.01
SEP 01...	10	7	<1	<1	--	--	<3	30	<10	5.5	<0.02

DATE	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
OCT 06...	<1	4	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	0.001	<0.01	0.004
NOV 18...	<1	4	--	--	--	--	--	--	--	--	--
DEC 08...	2	--	--	--	--	--	--	--	--	--	--
JAN 27...	<1	2	--	--	--	--	--	--	--	--	--
FEB 09...	4	<1	--	--	--	--	--	--	--	--	--
MAR 03...	15	2	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 07...	--	--	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 11...	2	3	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 09...	12	3	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 13...	5	1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 13...	6	7	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
SEP 01...	4	3	<0.1	<1	<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.

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 06...	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 03...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 07...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 11...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 13...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01
SEP 01...	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01

DATE	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 06...	<0.01	<0.1	<1	<0.01	0.01	<0.01	<0.01	<0.01	--	--	--
NOV 18...	--	--	--	--	--	--	--	--	226	425000	70
DEC 08...	--	--	--	--	--	--	--	--	261	509000	66
JAN 27...	--	--	--	--	--	--	--	--	200	239000	59
FEB 09...	--	--	--	--	--	--	--	--	196	242000	50
MAR 03...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	303	526000	70
APR 07...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	295	542000	79
MAY 11...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	249	322000	79
JUN 09...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	278	224000	87
JUL 13...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	236	207000	93
AUG 13...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	165	98000	97
SEP 01...	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	148	83000	98

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

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

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	382		386	391	409	400	388	486	488	477	454
2	358	376		385	391	406	398	391	485	489	481	450
3	360	---		385	391	407	405	390	486	489	483	447
4	361	---		384	393	395	400	390	488	488	478	448
5	358	---		386	377	394	399	390	486	488	464	447
6	357	---		385	377	345	399	387	492	489	459	448
7	357	---		384	376	346	405	441	484	492	466	450
8	361	---		385	367	322	399	443	527	491	464	448
9	363	---		418	385	323	434	432	528	492	466	449
10	362	---		418	385	322	434	433	529	492	460	446
11	362	---		418	387	322	411	436	525	492	460	448
12	362	---		417	400	323	412	429	527	492	466	450
13	362	---		416	390	322	409	428	530	---	459	448
14	358	---		417	404	323	414	434	529	---	457	447
15	357	---		417	406	322	411	435	526	440	459	447
16	342	---		419	405	319	410	437	531	446	---	448
17	342	---		417	408	321	413	434	526	447	---	447
18	341	---		417	408	322	425	429	483	448	---	446
19	340	---		436	406	320	426	429	480	451	464	447
20	362	---		435	408	321	428	429	479	448	460	448
21	341	---		436	428	321	423	428	482	447	471	449
22	342	---		437	429	318	423	431	482	443	465	519
23	342	---		391	430	336	425	429	479	442	461	520
24	347	---		391	431	336	426	432	480	439	506	520
25	345	---		391	427	372	390	433	479	439	508	518
26	379	---		392	427	371	391	484	481	441	511	518
27	380	---		392	428	354	390	486	479	444	505	518
28	382	---		391	427	351	390	484	489	---	502	520
29	382	---		390	---	345	391	485	490	---	499	521
30	382	---		391	---	346	392	485	488	---	496	520
31	382	---		391	---	340	---	485	---	---	508	---
MAX	382	---		437	431	409	434	486	531	492	511	521
MIN	340	---		384	367	318	390	387	479	439	457	446

CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	17		15	20	23	22	19	23	26	22	22
2	24	19		14	22	25	22	17	24	26	20	22
3	23	---		18	21	17	25	20	22	27	21	24
4	22	---		16	21	21	24	20	26	26	21	25
5	22	---		14	22	17	20	15	30	27	23	25
6	23	---		16	20	19	23	20	33	27	21	24
7	24	---		17	22	20	23	21	31	31	19	25
8	24	---		16	21	20	22	19	40	23	18	24
9	24	---		20	23	20	21	21	42	27	21	24
10	23	---		20	21	19	21	20	40	27	21	23
11	25	---		20	22	19	18	18	38	26	21	25
12	24	---		18	22	18	19	19	37	27	22	26
13	25	---		20	22	19	16	20	38	---	22	24
14	24	---		21	22	21	20	19	35	---	22	24
15	23	---		21	22	18	18	19	38	24	22	24
16	19	---		21	24	18	18	18	41	24	---	24
17	18	---		20	23	19	18	17	35	25	---	24
18	19	---		18	22	19	18	18	22	26	---	24
19	18	---		20	24	18	19	19	24	25	22	28
20	20	---		24	21	19	23	19	27	24	19	24
21	19	---		24	28	19	22	19	27	24	18	24
22	18	---		24	30	20	22	18	29	24	19	26
23	21	---		20	26	21	19	19	28	23	21	26
24	20	---		20	30	21	21	19	26	26	26	27
25	19	---		21	29	21	18	19	27	26	30	27
26	18	---		21	26	21	18	26	27	26	24	28
27	18	---		22	26	21	20	29	28	26	26	26
28	17	---		21	25	21	19	29	26	---	26	27
29	19	---		20	---	21	17	29	26	---	25	26
30	19	---		23	---	21	22	29	28	---	27	27
31	20	---		20	---	21	---	26	---	---	27	---
MAX	25	---		24	30	25	25	29	42	31	30	28
MIN	17	---		14	20	17	16	15	22	23	18	22

LOWER MISSISSIPPI RIVER BASIN

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT		MAY	
01-10	207	01-10	257
11-20	217	11-20	275
21-31	238	21-31	290
JAN		JUN	
01-10	240	01-10	310
11-20	257	11-20	323
21-31	254	21-30	300
FEB		JUL	
01-10	245	01-10	313
11-20	250	11-20	290
21-28	265	21-31	280
MAR		AUG	
01-10	225	01-10	296
11-20	200	11-20	289
21-31	210	21-31	309
APR		SEP	
01-10	250	01-10	279
11-20	256	11-20	274
21-30	251	21-30	313

THOMPSON CREEK BASIN

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07373430 THOMPSON CREEK NEAR NORWOOD, LA

LOCATION.--Lat 30°58'12", long 91°11'31", in SW 1/4, sec.70, T.1 S., R.1 W., East Feliciana-West Feliciana Parish line, Hydrologic Unit 08070201, at bridge on dirt road, 3.0 mi upstream from Lost Creek, and 5.0 mi west of Norwood.

DRAINAGE AREA.--41 mi² approximately.

PERIOD OF RECORD.--January 1981 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)		
OCT 02...	1100	6.4	80	7.11	26.0	15	3.5	8.9		
DATE		OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3
OCT 02...	0.6	110	200	18	4.3	1.7	7.9	2.2	22	
DATE		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)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 02...	4.1	8.8	<0.1	25	69	67	<0.02	0.25	0.04	
DATE				SEDIM- ENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDIM- ENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM				
OCT 02...				7.0	0.12	99				

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

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 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT 07...	1030	469	8.10	25.5	15	120	<1	6.3	51	0.7
NOV 19...	1030	414	7.80	14.5	40	35	<1	9.5	21	0.6
DEC 08...	1530	385	7.50	9.5	10	65	<1	10.2	13	0.8
JAN 29...	1045	465	7.70	—	10	37	<1	11.9	20	2.5
FEB 09...	1330	389	7.60	6.5	10	36	<1	12.7	26	2.9
MAR 03...	1330	405	7.41	10.0	15	70	<1	11.2	41	1.9
APR 07...	1515	399	7.70	13.0	20	100	<1	9.4	—	1.3
MAY 11...	1500	406	7.70	21.5	5	60	<1	7.6	21	0.7
JUN 09...	1400	531	7.80	28.0	5	65	<1	7.0	77	1.0
JUL 13...	1400	480	7.80	30.5	5	75	<1	6.4	52	0.5
AUG 12...	1530	487	7.80	31.0	5	50	<1	6.4	53	1.0
SEP 01...	1415	555	8.30	29.0	5	9.5	<1	8.1	28	2.0

DATE	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	ALKALINITY, TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 07...	3400	600	170	42	15	128	67	27	520	0.01
NOV 19...	1600	380	160	42	13	119	54	21	123	0.01
DEC 08...	3000	340	160	40	14	106	46	19	160	0.02
JAN 29...	6000	350	180	47	16	124	54	33	114	0.02
FEB 09...	K1600	520	140	37	12	107	47	25	97	0.02
MAR 03...	5300	540	150	38	14	103	41	29	316	0.02
APR 07...	2800	340	150	38	13	103	43	25	246	—
MAY 11...	3900	560	150	35	14	111	46	23	189	0.01
JUN 09...	3100	820	180	45	16	123	62	48	234	<0.01
JUL 13...	6800	980	180	44	16	127	66	30	293	0.01
AUG 12...	6800	810	180	45	16	129	58	26	174	0.01
SEP 01...	11000	K1800	160	38	16	139	78	32	53	<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--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 07...	1.0	0.55	0.52	4	2	<10	<0.5	<1	1	20
NOV 19...	1.6	0.32	0.30	3	1	<10	<0.5	1	<1	<10
DEC 08...	1.2	0.27	0.26	1	1	<10	<10	2	<1	<10
JAN 29...	1.3	0.37	0.12	2	<1	<10	<10	5	2	<10
FEB 09...	1.0	0.63	0.20	2	<1	<10	<10	6	<1	<10
MAR 03...	1.3	0.45	0.17	3	<1	<10	<10	1	1	<10
APR 07...	—	—	—	3	<1	<10	<10	1	1	<10
MAY 11...	1.5	0.52	0.34	3	1	<10	<10	1	<1	<10
JUN 09...	0.99	0.51	0.31	4	1	<10	<10	1	—	<10
JUL 13...	1.5	0.31	0.36	5	1	<10	<10	10	2	<10
AUG 12...	1.1	0.26	0.33	4	2	<10	—	<1	<1	<10
SEP 01...	0.34	0.62	0.15	2	2	<10	<10	1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 07...	<1	25	6	9	15	<5	<0.1	<0.1	17	<1
NOV 19...	<1	10	4	11	14	<5	<0.1	<0.1	6	3
DEC 08...	<1	10	5	70	10	<5	<0.1	<0.1	9	1
JAN 29...	<1	10	4	30	8	<5	0.1	<0.1	5	<1
FEB 09...	<1	8	4	30	7	<5	<0.1	<0.1	7	2
MAR 03...	<1	10	6	—	8	<5	<0.1	—	10	1
APR 07...	<1	20	6	29	20	<5	0.1	0.1	20	4
MAY 11...	<1	10	6	40	20	<5	<0.1	<0.1	10	5
JUN 09...	<1	30	8	20	20	<5	<0.1	<0.1	10	2
JUL 13...	<1	20	6	20	20	<5	<0.1	<0.1	7	2
AUG 12...	<1	10	5	<8	10	<5	<0.1	<0.1	5	2
SEP 01...	<1	10	7	<8	<5	<5	0.3	<0.1	7	6

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

LOWER MISSISSIPPI RIVER BASIN

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 07...	<1	<1	2	430	16	8.8	<0.01	2	4
NOV 19...	<1	<1	1	20	10	6.3	<0.01	6	2
DEC 08...	<1	<1	1	30	<10	2.8	<0.02	1	—
JAN 29...	<1	<1	<35	40	<10	3.0	<0.02	4	2
FEB 09...	<1	<1	<30	10	<10	3.0	<0.02	2	4
MAR 03...	<1	<1	<15	20	<10	2.8	<0.02	8	3
APR 07...	<1	<1	<13	40	10	—	—	—	—
MAY 11...	<1	<1	<27	40	<10	3.8	<0.02	<1	4
JUN 09...	<1	<1	<1	30	10	4.0	<0.02	15	3
JUL 13...	<1	<1	<2	30	10	2.9	<0.02	3	3
AUG 12...	<1	<1	<3	30	<10	7.0	<0.02	2	4
SEP 01...	<1	<1	<3	<10	<10	4.5	<0.02	3	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 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 07...	1230	490	8.00	26.0	10	100	<1	6.5	30	1.1
NOV 19...	1215	414	7.60	13.5	40	40	<1	8.9	19	0.3
DEC 09...	1000	386	7.70	9.5	10	65	<1	10.1	11	1.0
JAN 29...	1315	476	7.60	—	10	39	<1	11.8	45	2.0
FEB 10...	1000	392	7.60	6.0	10	37	<1	12.2	11	2.5
MAR 04...	1000	409	7.49	10.0	15	75	<1	10.8	56	1.5
APR 09...	1145	397	7.90	14.5	20	80	<1	—	—	—
MAY 12...	0930	400	7.60	21.5	10	55	<1	7.5	37	0.7
JUN 10...	1000	535	7.70	28.0	10	75	<1	6.9	90	0.4
JUL 14...	0930	495	7.80	30.0	10	75	<1	6.6	400	1.2
AUG 12...	1315	508	7.80	31.0	5	35	<1	6.2	36	1.3
SEP 02...	1015	564	8.14	29.5	5	4.4	<1	7.9	23	1.5

DATE	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	ALKALINITY, WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT 07...	3000	280	180	45	16	138	69	25	364	0.01
NOV 19...	6200	K150	160	42	13	120	53	22	123	0.01
DEC 09...	5000	640	150	39	13	105	47	20	178	0.02
JAN 29...	4200	270	170	43	15	121	54	34	83	0.01
FEB 10...	4400	220	140	38	12	100	49	26	86	0.01
MAR 04...	1800	690	150	38	13	87	44	29	439	0.02
APR 09...	1600	250	150	38	13	105	41	25	205	—
MAY 12...	4600	390	160	42	13	109	51	21	194	0.01
JUN 10...	K3800	K710	170	43	16	116	59	50	249	<0.01
JUL 14...	2100	420	180	44	17	126	81	33	278	0.02
AUG 12...	3400	500	180	46	16	130	58	36	87	0.01
SEP 02...	K900	K320	150	35	16	141	72	40	23	<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--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 07...	0.96	0.53	0.53	4	2	<10	<0.5	1	<1	<10
NOV 19...	1.6	0.28	0.31	3	2	<10	<0.5	<1	<1	<10
DEC 09...	1.3	0.63	0.28	1	1	<10	<10	1	<1	<10
JAN 29...	1.2	0.47	0.30	2	<1	<10	<10	3	2	<10
FEB 10...	1.1	0.33	0.22	2	<1	<10	<10	1	<1	<10
MAR 04...	1.3	0.56	0.29	3	<1	<10	<10	3	4	<10
APR 09...	—	—	—	3	<1	<10	<10	1	1	<10
MAY 12...	1.5	0.35	0.36	3	1	<10	<10	1	<1	<10
JUN 10...	1.0	0.38	0.36	4	1	<10	<10	1	1	<10
JUL 14...	1.5	0.54	0.40	5	2	<10	<10	1	1	<10
AUG 12...	1.2	0.34	0.28	3	2	<10	—	<1	<1	<10
SEP 02...	0.32	0.57	0.13	2	2	<10	<10	1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 07...	<1	18	4	8	21	<5	<0.1	0.1	14	1
NOV 19...	<1	10	3	13	<5	<5	0.2	<0.1	6	3
DEC 09...	<1	10	5	20	10	<5	<0.1	<0.1	8	1
JAN 29...	<1	10	4	20	8	<5	0.1	<0.1	5	<1
FEB 10...	<1	8	3	30	<5	<5	<0.1	<0.1	4	2
MAR 04...	<1	10	5	40	9	<5	<0.1	<0.1	10	2
APR 09...	<1	20	6	13	10	<5	<0.1	<0.1	10	3
MAY 12...	<1	20	8	<8	20	<5	<0.1	0.1	10	5
JUN 10...	<1	20	6	8	10	<5	<0.1	<0.1	10	3
JUL 14...	<1	40	10	10	20	<5	<0.1	<0.1	7	1
AUG 12...	1	7	4	<8	<5	<5	<0.1	<0.1	3	4
SEP 02...	<1	10	14	<8	5	<5	<0.1	<0.1	4	3

< 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--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 07...	<1	<1	2	220	<3	8.3	<0.01	3	5
NOV 19...	<1	<1	1	30	10	5.4	<0.01	3	2
DEC 09...	<1	<1	1	30	10	3.0	<0.02	<1	2
JAN 29...	<1	<1	<30	20	<10	3.0	<0.02	4	3
FEB 10...	<1	<1	<10	10	<10	2.5	<0.02	3	—
MAR 04...	<1	<1	<30	30	<10	2.2	<0.02	4	4
APR 09...	<1	<1	<19	30	<10	—	—	—	—
MAY 12...	<1	<1	<11	30	10	3.8	<0.02	3	4
JUN 10...	<1	<1	<1	20	<10	4.0	<0.02	16	2
JUL 14...	<1	<1	<2	40	<10	3.0	<0.02	—	2
AUG 12...	<1	<1	3	20	10	4.8	<0.02	9	2
SEP 02...	<1	<1	3	20	20	5.0	<0.02	4	<1

< 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.

SULFATE: Maximum daily, 89 mg/L Oct. 10, 1977; minimum daily, 20 mg/L Feb. 8, Apr. 26, 1978.

DISSOLVED SOLIDS: Maximum, 339 mg/L Nov. 21-30, 1978; minimum, 152 mg/L Dec. 21-31, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 541 microsiemens Aug. 26; minimum daily, 342 microsiemens Dec. 28.

WATER TEMPERATURES: Maximum daily, 32.5°C Aug. 9; minimum daily, 5.0°C Jan. 6, 7, 12, 13, 15-18, 21, Feb. 1.

CHLORIDE: Maximum daily, 44 mg/L Oct. 11; minimum daily, 16 mg/L Dec. 1, Jan. 13.

DISSOLVED SOLIDS: Maximum, 322 mg/L July 11-20; minimum, 221 mg/L Dec. 21-31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 08...	1530	479	8.04	26.0	10	100	<1	6.6	32	1.1
NOV 19...	1430	417	7.60	13.5	30	50	<1	8.8	19	0.7
DEC 09...	1330	392	7.70	10.0	10	45	<1	10.7	<10	1.4
JAN 29...	1530	486	7.50	—	10	40	<1	11.7	21	1.7
FEB 10...	1200	408	7.50	7.0	10	34	<1	12.2	44	2.7
MAR 10...	1145	357	7.70	10.5	15	50	<1	11.7	—	—
APR 09...	1430	400	7.60	14.5	20	100	<1	—	—	—
MAY 12...	1245	408	7.60	22.0	5	55	<1	7.4	31	0.6
JUN 10...	1200	522	7.70	28.0	5	70	<1	6.8	67	0.4
JUL 14...	1215	515	7.70	30.0	5	50	<1	6.3	240	1.6
AUG 12...	1030	493	7.80	31.0	5	35	<1	6.7	32	1.4
SEP 02...	1330	575	8.20	30.5	5	4.5	<1	6.9	16	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 1986 TO SEPTEMBER 1987

DATE	COL I- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COL I- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LITY WH. WAT TOTAL FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 08...	1100	180	180	46	15	131	70	27	311	0.01
NOV 19...	5000	520	160	43	13	120	53	23	102	0.01
DEC 09...	3100	340	150	39	13	106	51	20	87	0.02
JAN 29...	1400	420	170	43	14	118	56	36	105	0.01
FEB 10...	2400	230	150	39	13	103	50	29	191	0.02
MAR 10...	1200	92	130	34	12	87	39	25	605	0.03
APR 09...	1100	110	150	38	14	104	44	27	240	—
MAY 12...	1700	300	160	41	14	113	53	27	180	<0.01
JUN 10...	1200	220	160	41	14	117	59	47	196	<0.01
JUL 14...	1000	260	200	49	20	129	87	34	167	0.01
AUG 12...	1300	300	170	44	15	122	54	38	88	0.01
SEP 02...	760	470	150	36	15	142	70	45	27	0.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 08...	0.96	0.48	0.52	5	2	<10	<0.5	<1	2	10
NOV 19...	1.5	0.37	0.36	2	2	<10	<0.5	4	1	<10
DEC 09...	1.3	0.37	0.25	1	1	<10	<10	10	<1	<10
JAN 29...	1.3	0.42	0.23	2	<1	<10	<10	2	2	<10
FEB 10...	1.2	0.48	0.26	2	<1	<10	<10	1	<1	<10
MAR 10...	1.1	0.73	0.56	4	<1	<10	<10	30	<1	<10
APR 09...	—	—	—	3	<1	<10	<10	<1	<1	<10
MAY 12...	1.5	0.38	0.40	3	<1	<10	<10	1	<1	<10
JUN 10...	1.0	0.31	0.34	3	1	<10	<10	1	1	<10
JUL 14...	1.5	0.59	0.59	4	2	<10	<10	3	3	<10
AUG 12...	1.1	0.36	0.25	3	2	<10	—	3	5	<10
SEP 02...	0.33	0.70	0.14	2	2	<10	<10	1	<1	<10

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

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	CHROMIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 08...	<1	25	6	6	15	<5	<0.1	<0.1	17	<1
NOV 19...	<1	15	9	10	<5	<5	0.1	<0.1	6	3
DEC 09...	<1	10	3	<8	6	<5	<0.1	<0.1	5	1
JAN 29...	<1	10	3	10	9	<5	<0.1	<0.1	3	<1
FEB 10...	<1	8	4	10	<5	<5	<0.1	<0.1	7	2
MAR 10...	<1	30	9	20	20	<5	0.3	0.1	10	4
APR 09...	<1	20	5	<8	10	<5	<0.1	<0.1	20	5
MAY 12...	<1	20	8	<8	10	<5	<0.1	<0.1	7	3
JUN 10...	<1	10	7	20	10	<5	<0.1	<0.1	10	2
JUL 14...	<1	20	9	<8	<5	<5	<0.1	<0.1	4	1
AUG 12...	<1	10	5	20	6	<5	<0.1	<0.1	4	4
SEP 02...	<1	8	—	<8	<5	<5	<0.1	<0.1	2	2

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 08...	1	<1	4	70	8	8.1	<0.01	4	2
NOV 19...	<1	<1	1	50	24	5.5	<0.01	2	2
DEC 09...	<1	<1	1	20	<10	3.0	<0.02	<1	3
JAN 29...	<1	<1	<8	30	<10	2.0	<0.02	6	3
FEB 10...	<1	<1	<7	20	<10	4.0	<0.02	2	2
MAR 10...	<1	<1	<25	60	20	2.5	<0.02	6	<1
APR 09...	<1	<1	<10	40	<10	—	—	—	—
MAY 12...	<1	<1	<32	40	10	4.0	<0.02	7	5
JUN 10...	<1	<1	<1	20	<10	4.5	<0.02	16	3
JUL 14...	1	<1	<2	30	<10	3.0	<0.02	6	2
AUG 12...	<1	<1	3	20	10	5.0	<0.02	5	2
SEP 02...	<1	<1	<3	<10	<10	4.5	<0.02	6	1

< 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

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	410	419	---	419	411	425	403	503	477	477	493
2	408	412	419	423	464	437	440	408	503	475	476	491
3	407	416	420	423	452	414	438	373	503	506	477	491
4	488	410	419	408	405	---	439	382	502	507	480	493
5	---	416	424	407	405	413	438	384	527	510	476	493
6	477	418	423	406	405	435	439	359	524	507	468	494
7	475	---	469	422	405	362	422	368	522	520	469	429
8	476	425	---	---	419	362	420	---	518	---	476	518
9	481	425	---	---	416	354	413	422	524	---	465	470
10	489	418	---	453	420	351	412	421	524	520	469	491
11	490	420	---	451	414	352	413	423	476	522	478	483
12	489	424	422	416	406	352	420	422	475	520	491	482
13	413	425	411	413	438	354	419	425	---	522	506	518
14	376	426	411	413	439	348	418	421	476	521	490	519
15	375	423	412	442	441	345	411	463	474	510	476	513
16	376	424	412	442	439	353	429	463	473	511	496	472
17	---	425	412	439	442	356	419	466	473	512	496	471
18	---	423	393	462	423	354	430	467	474	511	496	470
19	352	420	---	461	420	356	430	466	474	493	538	472
20	355	426	---	451	437	349	438	463	477	511	539	471
21	352	421	388	416	437	361	439	463	476	467	498	472
22	---	426	369	418	438	362	429	462	482	467	490	470
23	380	421	372	417	437	358	430	463	476	466	539	422
24	379	421	356	---	438	359	441	463	477	511	539	456
25	391	425	351	465	439	358	428	463	478	495	537	465
26	379	424	343	453	439	354	426	462	491	492	541	470
27	390	422	344	---	437	354	426	464	491	492	537	510
28	391	424	342	452	---	---	426	466	477	513	536	512
29	390	425	350	486	---	---	426	466	479	492	537	513
30	392	425	354	488	---	---	429	---	475	468	490	511
31	392	---	353	473	---	---	---	466	---	468	493	---
MAX	490	426	469	488	464	437	441	467	529	522	541	519
MIN	352	410	342	406	405	345	411	359	473	466	465	422

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	16.5	10.5	---	5.0	10.0	12.5	19.0	28.0	29.5	31.0	29.5
2	27.5	16.5	9.5	6.5	5.5	10.0	13.0	19.0	27.5	29.5	30.0	29.0
3	26.0	17.0	9.0	6.0	5.5	9.0	14.0	19.0	28.0	30.0	30.5	28.5
4	26.5	17.5	9.5	6.0	5.5	8.5	12.5	19.0	28.5	31.5	31.5	29.0
5	27.0	17.0	9.5	5.5	6.0	9.5	13.0	19.5	27.0	30.5	29.5	30.0
6	27.0	17.0	9.0	5.0	6.5	9.5	13.5	19.5	27.0	30.0	30.5	30.5
7	26.0	---	5.5	5.0	6.5	10.0	13.0	19.5	28.5	29.0	30.0	29.5
8	25.0	16.5	---	---	6.0	10.0	12.5	21.5	28.0	29.5	30.5	28.5
9	25.5	15.0	10.0	---	6.5	10.0	13.0	21.0	27.5	---	32.5	29.5
10	26.0	15.5	---	6.0	7.5	9.5	13.5	21.5	28.0	29.0	32.0	29.0
11	25.0	15.0	9.5	5.5	7.5	9.5	14.0	21.0	25.5	29.0	31.0	29.0
12	24.5	15.0	9.0	5.0	8.0	9.0	14.0	22.0	26.0	29.5	31.5	28.5
13	23.0	14.0	9.5	5.0	8.0	9.5	15.0	22.0	26.5	30.0	31.0	29.0
14	26.5	14.0	9.0	5.5	8.0	11.0	14.5	22.5	27.5	30.0	31.5	28.5
15	21.0	14.5	8.5	5.0	7.5	10.5	15.0	20.5	26.5	29.5	31.5	29.0
16	18.5	15.0	8.0	5.0	8.0	11.5	14.5	21.5	27.5	29.0	30.5	27.5
17	---	15.5	8.5	5.0	8.0	12.0	14.0	22.0	28.5	29.0	31.0	27.5
18	---	13.0	8.0	5.0	8.0	11.5	15.5	22.5	28.0	29.5	31.0	28.0
19	19.0	13.5	---	5.5	8.0	10.0	15.5	22.5	28.0	29.5	31.0	28.0
20	19.5	13.0	7.5	5.5	8.5	10.5	15.0	23.0	28.0	28.5	30.0	27.5
21	19.0	13.0	8.0	5.0	8.0	12.5	16.0	28.5	27.5	28.5	30.5	28.0
22	---	13.5	8.5	5.5	8.0	13.0	16.0	24.5	28.5	27.5	31.0	28.0
23	18.5	13.0	8.0	6.0	8.5	13.5	16.5	24.5	28.0	28.5	31.5	27.5
24	18.0	12.5	6.0	---	9.0	14.0	16.0	25.0	28.0	28.5	31.5	29.0
25	19.5	12.5	6.5	6.0	8.5	14.5	16.0	25.0	27.5	28.0	31.5	29.0
26	17.5	12.0	7.0	5.5	9.0	15.0	16.5	25.5	29.5	30.0	30.0	27.0
27	17.5	13.5	7.5	---	9.5	15.0	17.0	26.0	29.5	29.5	31.5	26.5
28	18.0	12.5	7.0	6.0	---	---	---	26.0	29.0	30.0	32.0	26.0
29	18.0	11.5	7.0	6.5	---	---	---	27.5	29.5	30.0	32.0	25.0
30	17.5	10.0	6.5	6.0	---	---	---	27.0	28.5	22.5	30.0	25.0
31	17.0	---	6.5	7.0	---	---	---	26.5	---	31.5	30.5	---
MAX	27.5	17.5	10.5	7.0	9.5	15.0	17.0	28.5	29.5	31.5	32.5	30.5
MIN	17.0	10.0	5.5	5.0	5.0	8.5	12.5	19.0	25.5	22.5	29.5	25.0

LOWER MISSISSIPPI RIVER BASIN

07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	21	16	---	27	28	24	21	29	32	31	34
2	29	22	25	20	28	30	26	23	30	30	31	32
3	30	22	23	23	28	27	26	20	28	32	34	33
4	30	20	23	20	25	---	26	22	29	31	33	33
5	27	22	20	21	25	27	27	25	42	32	33	34
6	26	25	22	22	23	29	24	22	40	31	31	31
7	27	---	32	19	27	22	22	21	39	29	32	27
8	28	24	---	---	28	24	24	25	40	32	34	30
9	26	23	20	---	29	24	23	21	40	---	33	33
10	---	22	---	24	26	21	23	25	40	30	33	28
11	---	24	22	25	25	20	21	22	32	31	33	31
12	28	23	20	18	24	24	22	23	38	30	33	27
13	25	24	22	16	26	21	23	22	36	30	33	32
14	28	20	22	17	25	19	23	23	35	28	34	33
15	27	---	22	20	27	19	21	26	36	30	33	31
16	27	22	25	22	26	22	24	26	35	30	32	30
17	---	23	20	21	26	20	22	26	36	33	30	31
18	---	24	20	27	25	23	23	24	33	31	31	30
19	20	23	---	26	26	22	25	26	35	31	33	29
20	20	21	18	23	---	24	26	26	36	30	34	28
21	20	22	23	25	33	24	27	27	37	30	36	33
22	---	25	21	26	28	22	26	26	35	32	33	30
23	22	22	20	25	32	25	26	26	33	33	34	28
24	23	23	18	---	35	23	24	25	33	32	32	30
25	23	24	17	27	30	25	24	25	31	32	32	31
26	22	22	18	27	32	25	23	24	34	30	32	32
27	22	21	18	---	31	22	24	26	33	33	34	33
28	21	22	18	28	---	---	25	26	32	31	31	27
29	20	22	18	35	---	---	23	27	33	32	33	29
30	21	19	18	32	---	---	25	31	33	33	31	33
31	23	---	18	35	---	---	---	24	---	32	32	---
MAX	44	25	32	35	35	30	27	31	42	33	36	34
MIN	20	19	16	16	23	19	21	20	28	28	30	27

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT	
01-10	285
11-20	226
21-31	238
NOV	
01-10	230
11-20	262
21-30	258
DEC	
01-10	264
11-20	247
21-31	221
JAN	
01-10	262
11-20	282
21-31	280
FEB	
01-10	260
11-20	275
21-28	268
MAR	
01-10	240
11-20	223
21-31	---

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
APR	
01-10	263
11-20	260
21-30	262
MAY	
01-10	250
11-20	289
21-31	289
JUN	
01-10	318
11-20	295
21-30	294
JUL	
01-10	320
11-20	322
21-31	299
AUG	
01-10	300
11-20	305
21-31	330
SEP	
01-10	305
11-20	303
21-30	307

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

LOCATION.--Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, Hydrologic Unit 08090100, at Carrollton Street Municipal Water Plant Intakes and at mile 103.8.

DRAINAGE AREA.--1,125,900 mi² arbitrarily determined.

PERIOD OF RECORD.--Water years 1905-06, 1951-52, 1954-55, 1967 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1955, October 1968 to current year.

pH: October 1976 to current year.

WATER TEMPERATURES: August 1954 to September 1955, November 1970 to current year.

DISSOLVED OXYGEN: October 1968 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1968.

REMARKS.--Extremes for current year for dissolved oxygen are not published because the number of missing days of record exceeded 20% of the year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 630 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, 566 microsiemens Sept. 4; minimum, 321 microsiemens Mar 14.

pH: Maximum, 8.11 units Feb. 4; minimum 7.32 units May 7.

WATER TEMPERATURES: Maximum, 31.5°C Aug. 20-29; minimum, 4.5°C Feb. 5-7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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)
OCT 10...	1000	462	7.95	25.5	20	130	6.3	0.8	580
JAN 30...	1025	461	7.90	6.0	10	36	11.8	2.5	200
MAY 13...	0945	406	7.60	22.0	5	27	7.5	0.7	280
JUL 15...	1000	519	7.80	30.0	5	29	6.3	0.9	240

DATE	STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 10...	560	160	42	14	29	3.8	116	58
JAN 30...	150	170	45	15	28	3.3	120	57
MAY 13...	—	160	41	14	22	3.3	111	47
JUL 15...	290	180	44	18	33	4.6	129	93

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 10...	29	0.3	7.0	263	250	1.0	1.4	0.58
JAN 30...	35	0.3	9.4	270	260	1.3	0.68	0.16
MAY 13...	24	0.2	8.4	244	230	1.5	0.53	0.26
JUL 15...	34	0.7	—	290	—	1.6	1.2	0.21

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	383	379	388	381	354	347	485	473	422	417
2	556	550	386	381	394	388	357	354	473	454	417	404
3	552	543	391	386	394	392	365	356	453	429	402	395
4	548	535	403	390	400	394	375	365	428	412	404	401
5	533	487	406	400	404	398	390	375	411	396	407	405
6	486	478	417	408	408	399	393	390	404	394	409	400
7	506	485	424	415	402	397	398	390	401	394	398	369
8	510	504	434	425	403	393	396	388	401	394	368	348
9	503	470	442	435	392	388	393	387	399	394	356	348
10	470	461	446	440	391	388	393	387	401	396	356	348
11	466	456	447	439	389	382	391	384	400	388	347	340
12	480	467	441	426	387	382	391	383	392	386	339	331
13	469	403	426	423	391	386	395	388	404	392	364	324
14	401	377	423	409	398	390	391	386	414	405	325	321
15	376	352	416	409	401	396	396	387	415	405	365	323
16	380	351	415	410	396	391	403	396	428	416	338	329
17	385	377	415	411	393	376	415	403	427	424	335	329
18	376	363	417	410	375	364	420	415	424	404	330	328
19	363	347	418	411	365	358	424	420	416	404	332	329
20	349	342	423	414	367	359	426	392	403	398	333	329
21	350	343	429	423	371	366	403	393	406	401	332	329
22	351	345	425	413	372	368	408	401	409	406	334	329
23	352	348	422	417	370	359	399	386	412	408	340	335
24	357	352	427	416	358	346	410	401	420	412	342	336
25	363	357	419	412	345	335	442	410	427	418	342	340
26	364	362	411	398	335	326	444	428	424	418	348	340
27	375	365	395	380	327	323	437	429	427	420	347	342
28	389	375	380	369	331	324	446	435	424	419	345	336
29	387	384	372	368	334	330	458	445	---	---	337	333
30	385	381	380	372	339	335	469	458	---	---	345	337
31	384	380	---	---	347	339	481	467	---	---	355	346
MONTH	556	342	447	368	408	323	481	347	485	386	422	321
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	368	355	389	379			---	---	474	471	521	502
2	382	369	392	387			---	---	472	463	544	524
3	408	384	387	379			---	---	463	455	558	544
4	422	408	382	379			---	---	461	453	566	559
5	422	411	383	380			---	---	466	460	560	538
6	411	401	387	382			---	---	478	467	540	517
7	401	394	384	381			---	---	479	476	516	490
8	395	392	389	381			---	---	477	449	488	475
9	395	391	393	387			---	---	449	443	479	475
10	407	395	407	394			---	---	469	450	491	479
11	431	408	413	407			519	502	477	469	478	456
12	433	426	415	411			524	517	484	470	484	460
13	425	411	414	409			532	523	507	482	494	485
14	412	408	414	409			525	517	510	504	506	494
15	408	403	409	397			516	503	499	488	505	492
16	404	394	410	403			502	494	489	470	494	486
17	403	393	424	410			501	495	466	448	511	492
18	402	397	433	425			509	499	479	466	522	513
19	403	399	443	430			516	507	485	473	522	513
20	408	403	456	443			515	508	473	467	512	491
21	414	408	463	456			513	493	492	472	490	474
22	414	411	473	464			493	484	494	487	475	456
23	419	412	477	472			486	479	491	478	455	446
24	425	420	476	473			479	471	487	479	447	433
25	427	425	474	466			476	471	503	487	438	429
26	427	418	467	460			480	472	520	496	461	441
27	421	407	462	457			499	481	495	484	463	460
28	407	391	463	455			508	498	512	488	463	459
29	391	380	466	460			499	490	517	512	477	464
30	380	378	---	---			490	483	521	513	482	477
31	---	---	---	---			485	475	515	498	---	---
MONTH	433	355	477	379			--	--	521	443	566	429

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	---	---	7.68	7.66	7.63	7.59	7.78	7.74	8.06	8.02	7.91	7.88
2	7.69	7.64	7.70	7.67	7.65	7.60	7.79	7.76	8.06	8.05	7.87	7.82
3	7.75	7.70	7.72	7.69	7.68	7.65	7.82	7.79	8.05	8.03	7.82	7.78
4	7.74	7.71	7.73	7.71	7.69	7.68	7.84	7.81	8.11	7.92	7.85	7.83
5	7.72	7.63	7.76	7.73	7.70	7.69	7.87	7.83	8.06	8.01	7.86	7.84
6	7.65	7.63	7.77	7.74	7.72	7.70	7.89	7.86	8.01	7.98	7.88	7.86
7	7.68	7.64	7.76	7.73	7.73	7.72	8.06	8.03	7.99	7.96	7.93	7.74
8	7.69	7.65	7.76	7.73	7.73	7.71	8.06	8.04	7.96	7.94	7.74	7.70
9	7.65	7.58	7.76	7.74	7.71	7.68	8.06	8.02	7.95	7.93	7.76	7.69
10	7.60	7.57	7.77	7.75	7.73	7.64	8.05	8.03	7.93	7.90	7.76	7.69
11	7.57	7.50	7.76	7.75	7.72	7.70	8.03	8.01	7.90	7.88	7.71	7.67
12	7.52	7.49	7.75	7.73	7.70	7.68	8.03	8.00	7.94	7.86	7.69	7.65
13	7.50	7.47	7.75	7.73	7.70	7.67	8.00	7.98	7.93	7.90	7.76	7.69
14	7.50	7.44	7.74	7.57	7.69	7.67	8.01	7.99	7.93	7.91	7.75	7.73
15	7.51	7.50	7.70	7.68	7.70	7.68	8.02	7.99	7.92	7.91	7.76	7.73
16	7.50	7.47	7.70	7.68	7.69	7.65	8.02	7.99	7.94	7.91	7.77	7.75
17	7.48	7.46	7.69	7.62	7.64	7.61	8.02	7.99	7.94	7.90	7.76	7.73
18	7.48	7.46	7.69	7.67	7.69	7.68	8.03	8.02	8.02	7.82	7.74	7.71
19	7.48	7.46	7.70	7.69	7.77	7.75	8.03	8.02	7.92	7.83	7.70	7.66
20	7.48	7.47	7.71	7.69	7.85	7.83	8.03	7.86	7.82	7.80	7.66	7.63
21	7.48	7.34	7.73	7.69	7.95	7.93	7.97	7.86	7.87	7.83	7.64	7.59
22	7.47	7.46	7.70	7.67	8.04	7.73	7.99	7.96	7.87	7.84	7.59	7.56
23	7.48	7.47	7.68	7.66	7.79	7.77	7.95	7.88	7.84	7.83	7.64	7.56
24	7.49	7.48	7.67	7.65	7.76	7.74	7.96	7.90	7.96	7.83	7.63	7.54
25	7.49	7.48	7.66	7.65	7.75	7.73	7.99	7.91	7.93	7.91	7.55	7.54
26	7.51	7.48	7.66	7.63	7.74	7.72	7.99	7.96	7.90	7.63	7.55	7.50
27	7.52	7.49	7.64	7.61	7.75	7.73	7.98	7.95	7.89	7.82	7.49	7.45
28	7.66	7.51	7.61	7.51	7.75	7.73	8.01	7.96	7.92	7.90	7.47	7.41
29	7.67	7.65	7.56	7.53	7.76	7.73	8.01	7.98	---	---	7.46	7.42
30	7.67	7.65	7.59	7.55	7.75	7.73	8.03	8.01	---	---	7.47	7.44
31	7.68	7.66	---	---	7.76	7.74	8.05	8.02	---	---	7.54	7.43
MONTH	7.75	7.34	7.77	7.51	8.04	7.59	8.06	7.74	8.11	7.63	7.93	7.41
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	7.60	7.54	7.48	7.47			---	---	7.47	7.43	7.87	7.83
2	7.61	7.58	7.46	7.45			---	---	7.44	7.42	7.91	7.86
3	7.63	7.60	7.46	7.44			---	---	7.50	7.42	7.93	7.89
4	7.64	7.62	7.44	7.42			---	---	7.50	7.47	7.95	7.91
5	7.62	7.59	7.42	7.40			---	---	7.50	7.48	7.98	7.94
6	7.61	7.58	7.39	7.37			---	---	7.51	7.49	8.05	7.97
7	7.64	7.59	7.35	7.32			---	---	7.51	7.48	7.96	7.68
8	7.65	7.62	7.36	7.34			---	---	7.51	7.48	7.63	7.52
9	7.67	7.62	7.36	7.35			---	---	7.51	7.49	7.50	7.46
10	7.69	7.65	7.41	7.38			---	---	7.54	7.51	7.60	7.58
11	7.70	7.67	7.43	7.42			7.48	7.45	7.56	7.53	7.63	7.59
12	7.70	7.67	7.44	7.43			7.63	7.49	7.56	7.54	7.63	7.60
13	7.67	7.65	7.55	7.45			7.58	7.54	7.59	7.56	7.65	7.62
14	7.67	7.65	7.55	7.54			7.54	7.50	7.63	7.59	7.64	7.61
15	7.67	7.65	7.54	7.53			7.51	7.49	7.64	7.58	7.64	7.62
16	7.67	7.64	7.55	7.53			7.51	7.48	7.61	7.55	7.64	7.62
17	7.68	7.65	7.56	7.54			7.55	7.49	7.54	7.47	7.65	7.62
18	7.68	7.65	7.58	7.55			7.55	7.52	7.64	7.55	7.65	7.63
19	7.67	7.64	7.57	7.54			7.56	7.54	7.68	7.64	7.66	7.62
20	7.66	7.63	7.60	7.56			7.59	7.56	7.71	7.65	7.64	7.62
21	7.66	7.64	7.62	7.59			7.59	7.57	7.75	7.70	7.62	7.58
22	7.66	7.63	7.62	7.59			7.57	7.30	7.75	7.69	7.61	7.57
23	7.64	7.61	7.59	7.55			7.55	7.49	7.79	7.71	7.63	7.58
24	7.63	7.60	7.55	7.52			7.52	7.50	7.90	7.80	7.61	7.56
25	7.61	7.59	7.53	7.51			7.53	7.51	7.96	7.89	7.64	7.57
26	7.60	7.56	7.53	7.50			7.59	7.53	7.99	7.90	7.63	7.61
27	7.60	7.56	7.55	7.51			7.57	7.51	8.01	7.91	7.64	7.60
28	7.59	7.55	7.58	7.54			7.52	7.49	8.03	7.96	7.62	7.60
29	7.57	7.54	7.58	7.54			7.51	7.48	8.00	7.95	7.66	7.60
30	7.55	7.51	---	---			7.51	7.46	7.95	7.88	7.72	7.63
31	---	---	---	---			7.52	7.46	7.90	7.85	---	---
MONTH	7.70	7.51	7.62	7.32			--	--	8.03	7.42	8.05	7.46

LOWER MISSISSIPPI RIVER BASIN

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	---	---	17.0	17.0	11.0	10.5	6.0	5.5	5.5	5.0	8.5	8.0
2	27.5	27.5	17.0	17.0	10.5	10.0	6.0	5.5	5.5	5.5	9.5	8.5
3	27.5	27.5	17.0	17.0	10.0	10.0	5.5	5.5	5.5	5.0	10.0	9.5
4	27.5	27.0	17.0	17.0	10.0	9.5	5.5	5.0	5.0	5.0	10.0	9.5
5	27.5	27.0	17.5	17.0	9.5	9.0	5.0	5.0	5.0	4.5	10.0	9.5
6	27.0	27.0	17.5	17.0	9.0	8.5	5.0	5.0	4.5	4.5	10.0	9.5
7	27.0	27.0	17.5	17.5	8.5	8.5	5.0	5.0	5.5	4.5	10.0	9.5
8	26.5	26.0	17.5	17.5	8.5	8.5	5.0	5.0	6.0	5.0	10.0	9.5
9	26.0	25.5	17.5	17.0	9.0	8.5	5.0	5.0	6.0	5.5	10.0	9.5
10	25.5	25.0	17.0	17.0	9.0	9.0	5.5	5.0	6.5	6.0	10.0	9.5
11	24.5	24.0	17.0	17.0	9.0	8.5	5.5	5.0	6.5	6.0	10.5	10.0
12	24.5	24.0	17.0	16.5	8.5	8.5	5.5	5.0	7.0	6.5	10.5	10.0
13	24.0	23.0	16.5	15.5	8.5	8.0	5.5	5.0	7.0	6.5	11.0	10.5
14	23.0	22.5	15.5	15.0	8.0	8.0	5.0	5.0	7.0	6.5	11.0	10.5
15	22.5	22.0	15.5	15.0	8.0	7.5	5.5	5.0	7.5	7.0	11.5	11.0
16	22.0	21.5	15.0	14.5	8.0	7.5	5.5	5.0	7.5	7.0	11.5	11.0
17	21.0	20.5	14.5	14.0	7.5	7.5	5.5	5.5	7.5	7.5	12.0	11.0
18	20.5	20.0	14.0	13.5	7.5	7.5	6.0	5.5	8.0	7.5	12.0	11.5
19	20.0	19.5	13.5	13.0	7.5	7.0	5.5	5.5	7.5	7.0	12.5	12.0
20	19.5	19.0	13.0	13.0	7.5	7.0	6.0	5.5	8.0	7.5	13.0	12.5
21	19.5	19.0	13.0	12.5	7.0	7.0	6.0	6.0	8.0	7.5	14.0	13.0
22	19.0	18.5	13.0	12.5	7.0	6.5	6.0	5.5	7.5	7.5	14.5	14.0
23	18.5	18.5	13.0	12.5	6.5	6.5	6.5	6.0	7.5	7.0	15.0	14.5
24	18.5	18.5	13.0	12.5	6.5	6.5	6.0	6.0	7.5	7.0	15.5	15.0
25	18.5	18.0	13.0	12.5	6.5	6.5	6.0	5.5	7.5	7.5	16.0	15.5
26	18.0	18.0	12.5	12.0	6.5	6.5	5.5	5.5	8.0	7.5	16.5	16.0
27	18.0	18.0	12.0	11.5	6.5	6.5	5.5	5.0	8.0	7.5	17.0	16.5
28	18.0	17.5	11.5	11.5	6.5	6.5	5.0	5.0	8.5	8.0	17.5	16.5
29	18.0	17.5	11.5	11.0	6.5	6.5	5.5	5.0	---	---	17.5	17.5
30	17.5	17.0	11.0	11.0	6.5	6.5	5.5	5.5	---	---	17.5	17.0
31	17.0	17.0	---	---	6.5	6.0	5.5	5.0	---	---	17.0	16.5
MONTH	27.5	17.0	17.5	11.0	11.0	6.0	6.5	5.0	8.5	4.5	17.5	8.0
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	16.5	16.5	17.5	17.5			---	---	30.0	29.5	30.5	30.5
2	16.5	16.0	18.0	17.5			---	---	30.5	30.0	30.5	30.0
3	16.0	15.5	18.5	18.0			---	---	30.5	30.0	30.0	30.0
4	15.5	15.0	18.5	18.5			---	---	30.5	30.0	30.0	29.5
5	15.5	15.0	18.5	18.5			---	---	30.5	30.5	29.5	29.5
6	15.0	14.5	19.0	19.0			---	---	30.5	30.5	29.5	29.0
7	15.0	14.5	19.5	19.0			---	---	30.5	30.5	29.5	29.0
8	15.0	14.5	20.0	19.5			---	---	31.0	30.5	29.0	29.0
9	15.0	14.5	20.0	20.0			---	---	31.0	30.5	29.0	28.5
10	14.5	14.0	20.5	20.5			29.5	29.0	31.0	30.5	29.0	28.5
11	14.0	14.0	21.5	21.0			29.0	29.0	31.0	30.5	28.5	28.5
12	15.0	13.5	21.5	21.5			29.5	29.0	30.5	30.5	28.5	28.5
13	14.0	14.0	22.0	21.5			29.5	29.0	30.5	30.5	28.5	28.5
14	14.0	13.5	22.0	22.0			29.5	29.0	30.5	30.5	29.0	28.5
15	14.0	13.5	22.5	22.0			29.5	29.0	30.5	30.5	28.5	28.5
16	14.5	14.0	22.5	22.5			29.5	29.5	31.0	30.5	28.5	28.0
17	14.5	14.0	22.5	22.5			29.5	29.5	31.0	30.5	28.0	28.0
18	14.5	14.5	23.0	22.5			29.5	29.5	31.0	30.5	28.0	28.0
19	15.0	14.5	23.5	23.0			29.5	29.5	31.0	31.0	28.0	27.5
20	15.0	14.5	24.0	23.5			29.5	29.0	31.5	31.0	27.5	27.5
21	15.0	14.5	24.0	23.5			29.5	29.0	31.5	31.0	27.5	27.0
22	15.5	15.0	24.5	24.0			29.0	29.0	31.5	31.0	27.5	27.0
23	15.5	15.5	24.5	24.5			29.5	29.0	31.5	31.0	27.0	27.0
24	16.0	15.5	24.5	24.5			29.5	29.0	31.5	31.0	27.0	26.5
25	16.0	15.5	25.0	24.5			29.5	29.0	31.5	31.5	26.5	26.5
26	16.0	15.5	25.0	24.5			29.5	29.5	31.5	31.5	26.5	26.0
27	16.0	15.5	25.0	25.0			29.5	29.5	31.5	31.0	26.5	26.0
28	16.5	16.0	27.0	25.0			29.5	29.5	31.5	31.0	26.5	26.0
29	17.0	16.5	25.5	25.5			30.0	29.5	31.5	31.0	26.0	26.0
30	17.5	17.0	---	---			30.0	29.5	31.0	31.0	26.0	26.0
31	---	---	---	---			30.0	29.5	31.0	30.5	---	---
MONTH	17.5	13.5	27.0	17.5			--	--	31.5	29.5	30.5	26.0

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued
 OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	7.8	7.7	9.4	9.3	---	---	---	---	10.6	10.4
2	---	---	7.9	7.8	9.6	9.4	---	---	---	---	---	---
3	---	---	7.9	7.8	9.8	9.6	---	---	---	---	---	---
4	---	---	8.0	7.9	10.1	9.8	---	---	---	---	---	---
5	---	---	8.1	8.0	10.2	10.1	---	---	12.1	12.0	---	---
6	---	---	8.1	8.0	10.4	10.2	---	---	12.0	12.0	---	---
7	---	---	8.1	8.0	10.5	10.4	11.2	11.1	12.0	11.9	---	---
8	---	---	8.2	8.1	10.5	10.4	11.2	11.2	11.9	11.8	---	---
9	6.5	6.2	8.3	8.2	10.4	10.4	11.3	11.2	11.8	11.7	---	---
10	6.3	6.3	8.4	8.3	10.4	10.3	11.3	11.2	11.7	11.6	---	---
11	6.3	5.9	8.4	8.3	10.3	10.2	11.3	11.2	11.7	11.6	---	---
12	6.2	5.8	8.4	8.3	10.2	10.1	11.3	11.2	11.7	11.6	9.6	9.5
13	6.3	5.9	8.4	8.4	10.1	10.1	11.2	11.1	11.7	11.6	9.5	9.4
14	6.4	6.0	8.9	8.4	10.1	10.1	11.2	11.1	11.7	11.6	---	---
15	6.4	6.2	9.0	8.9	10.1	10.1	11.2	11.1	11.7	11.6	---	---
16	6.3	6.1	9.0	9.0	10.1	10.0	11.1	11.1	11.6	11.5	---	---
17	6.3	6.2	9.1	9.0	10.1	10.0	11.1	11.0	11.5	11.4	9.4	9.2
18	6.4	6.3	9.1	9.0	---	---	11.1	11.1	11.4	11.1	9.3	9.2
19	6.6	6.4	9.2	9.1	---	---	11.2	11.1	11.3	11.1	9.3	9.1
20	6.7	6.6	9.3	9.2	---	---	11.1	10.6	11.1	10.9	9.2	9.1
21	6.8	6.6	9.3	9.2	---	---	10.9	10.6	11.0	11.0	---	---
22	6.9	6.7	9.3	9.2	---	---	10.9	10.8	11.0	11.0	---	---
23	7.0	6.9	9.3	9.2	---	---	10.8	10.6	11.0	11.0	---	---
24	7.2	7.1	9.3	9.2	---	---	10.9	10.7	11.2	10.9	---	---
25	7.2	7.1	9.3	9.3	---	---	10.9	10.8	11.0	10.9	---	---
26	7.3	7.1	9.3	9.2	---	---	11.0	10.9	11.0	10.7	---	---
27	7.4	7.3	9.3	9.2	---	---	11.0	10.9	10.7	10.6	---	---
28	7.5	7.4	9.2	9.0	---	---	---	---	10.7	10.6	---	---
29	7.5	7.5	9.2	9.0	---	---	---	---	---	---	---	---
30	7.6	7.5	9.2	9.2	---	---	---	---	---	---	---	---
31	7.7	7.6	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	9.3	7.7	---	---	---	---	12.1	10.6	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.7	8.3	7.3	7.1	---	---	---	---	6.1	5.8	5.2	5.2
2	---	---	---	---	---	---	---	---	6.1	5.7	5.4	5.1
3	---	---	---	---	---	---	---	---	5.9	5.7	5.4	5.1
4	---	---	---	---	---	---	---	---	5.8	5.8	5.4	5.1
5	---	---	---	---	---	---	---	---	5.8	5.7	5.3	5.1
6	---	---	---	---	---	---	---	---	5.9	4.5	5.3	5.1
7	---	---	---	---	---	---	---	---	5.8	5.7	5.3	5.0
8	---	---	---	---	---	---	---	---	5.7	5.7	5.3	5.0
9	---	---	---	---	---	---	---	---	5.7	5.7	5.3	5.1
10	9.3	9.3	---	---	---	---	7.0	6.6	6.0	5.6	5.3	5.0
11	---	---	---	---	---	---	6.8	6.6	5.7	5.6	5.2	5.0
12	---	---	---	---	---	---	6.8	6.6	5.7	5.6	5.2	5.0
13	---	---	---	---	---	---	6.9	6.5	5.7	5.6	5.3	5.0
14	---	---	---	---	---	---	6.7	6.5	5.7	5.6	5.3	4.9
15	---	---	---	---	---	---	6.6	6.5	5.8	5.6	5.3	4.9
16	---	---	---	---	---	---	6.6	6.4	5.8	5.6	5.1	4.9
17	9.2	9.0	---	---	---	---	6.9	6.4	6.0	5.5	5.1	4.9
18	9.0	8.8	---	---	---	---	6.5	6.3	5.8	5.5	5.1	4.9
19	8.9	8.7	---	---	---	---	6.4	6.3	5.9	5.5	5.0	4.9
20	8.8	8.6	---	---	---	---	6.4	6.2	5.9	5.4	4.9	4.9
21	8.7	8.5	---	---	---	---	6.3	6.2	5.8	5.4	4.9	4.9
22	8.6	8.2	---	---	---	---	6.2	6.2	5.8	5.4	5.0	4.9
23	8.6	8.4	---	---	---	---	6.3	6.1	5.7	5.4	4.9	4.9
24	8.3	8.2	---	---	---	---	6.4	6.0	5.7	5.3	4.9	4.9
25	8.3	8.0	---	---	---	---	6.3	6.0	5.8	5.3	4.9	4.9
26	8.0	7.8	---	---	---	---	6.3	6.0	5.7	5.3	4.9	4.9
27	---	---	---	---	---	---	6.2	5.9	5.7	5.3	4.9	4.8
28	---	---	---	---	---	---	6.1	5.9	5.6	5.2	4.9	4.8
29	---	---	---	---	---	---	6.2	5.9	5.5	5.2	4.8	4.8
30	---	---	---	---	---	---	6.3	5.8	5.5	5.2	4.8	4.8
31	---	---	---	---	---	---	6.1	5.8	5.3	5.2	---	---
MONTH	---	---	---	---	---	---	---	---	6.1	4.5	5.4	4.8

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse and at mile 76.0.

DRAINAGE AREA.--1,125,930 mi², arbitrarily determined.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1975 to current year.

CHLORIDE: October 1974 to current year.

SULFATE: October 1974 to September 1978.

DISSOLVED SOLIDS: October 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 692 microsiemens Jan. 31, 1981; minimum daily, 248 microsiemens Mar. 31, 1976, Jan. 24, 1979.

WATER TEMPERATURES: Maximum daily, 38.0°C June 9, 1984; minimum daily, 2.0°C Feb. 7, 1984.

CHLORIDE: Maximum daily, 85 mg/L June 26, 27, 1977; minimum daily, 11 mg/L Apr. 21, May 12, 1975, May 12, 1984.

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

DISSOLVED SOLIDS: Maximum, 371 mg/L Feb. 1-10, 1981; minimum, 156 mg/L Jan. 21-31, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 619 microsiemens Sept. 6; minimum daily, 342 microsiemens Dec. 28.

WATER TEMPERATURES: Maximum daily, 32.0°C July 20, 25-30, Aug. 17, 19, 25, 27; minimum daily, 7.0°C Feb. 7, 8.

CHLORIDE: Maximum daily, 51 mg/L Aug. 15; minimum daily, 14 mg/L Dec. 29.

DISSOLVED SOLIDS: Maximum, 355 mg/L Aug. 11-20; minimum, 225 mg/L Mar. 21-31.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 09...	1230	507	7.92	26.0	15	100	6.2	0.3	480	—
DEC 10...	1430	396	7.60	9.0	10	47	10.8	1.5	290	1400
FEB 11...	1145	410	7.60	8.5	10	36	12.2	3.5	210	200
APR 10...	1115	408	7.70	15.0	20	150	8.9	1.3	310	K85
MAY 13...	1045	418	7.60	22.0	5	76	7.3	0.3	500	—
JUN 11...	1230	523	7.97	28.0	10	52	6.6	—	K400	170
AUG 11...	1530	480	7.80	31.5	5	16	6.9	1.6	520	320

DATE	HARD- NESS (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CaCO ₃	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)
OCT 09...	190	48	16	31	4.0	138	65	27	0.4	7.5
DEC 10...	150	39	13	20	3.1	112	50	21	0.2	7.8
FEB 11...	150	39	12	24	2.8	99	56	28	0.2	7.8
APR 10...	—	—	—	—	—	105	—	—	—	—
MAY 13...	160	43	13	22	3.3	115	66	27	0.2	7.7
JUN 11...	170	43	14	36	3.5	121	71	45	0.3	4.3
AUG 11...	170	43	14	32	3.9	108	53	37	0.4	6.7

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

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 09...	314	280	<0.01	1.1	0.02	0.02	1.7	0.19	0.12	0.13
DEC 10...	238	220	0.01	1.3	0.02	<0.01	0.5	0.27	0.10	0.09
FEB 11...	230	230	0.01	1.2	0.09	0.11	1.1	0.11	0.06	0.07
MAY 13...	256	250	<0.01	1.7	0.05	0.03	0.9	0.29	0.09	0.08
JUN 11...	304	290	—	—	0.03	—	1.0	0.26	—	—
AUG 11...	269	260	<0.01	1.2	0.02	0.04	0.9	0.17	0.11	0.10

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 09...	<10	2	77	<0.5	<1	<1	<3	7	5	<5
FEB 11...	20	1	54	<0.5	2	<1	<3	5	22	<5
MAY 13...	20	1	63	<0.5	<1	<1	<3	4	6	<5
AUG 11...	20	2	73	<0.5	<1	<1	<3	6	5	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 09...	17	5	<0.1	<10	<1	<1	<1	220	<6	7
FEB 11...	9	8	<0.1	<10	<1	<1	<1	180	<6	21
MAY 13...	15	1	<0.1	<10	1	<1	<1	190	<6	6
AUG 11...	<4	2	0.1	<10	<1	<1	<1	230	<6	11

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	316	APR 01-10	255
11-20	238	11-20	276
21-31	242	21-30	270
NOV 01-10	236	MAY 01-10	257
11-20	266	11-20	277
21-30	227	21-31	301
DEC 01-10	260	JUN 01-10	312
11-20	251	11-20	319
21-31	240	21-30	315
JAN 01-10	245	JUL 01-10	325
11-20	275	11-20	334
21-31	293	21-31	315
FEB 01-10	280	AUG 01-10	310
11-20	268	11-20	355
21-28	270	21-31	342
MAR 01-10	250	SEP 01-10	361
11-20	226	11-20	327
21-31	225	21-30	316

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

LOWER MISSISSIPPI RIVER BASIN

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 09...	1230	539000	278	405000	98
NOV 20...	1145	652000	--	--	--
DEC 10...	1430	713000	227	437000	69
JAN 30...	1200	504000	--	--	--
FEB 11...	1145	472000	96	122000	91
APR 10...	1115	658000	--	--	--
MAY 13...	1045	427000	176	203000	98
JUN 11...	1230	427000	191	220000	99
JUL 15...	1420	308000	--	--	--
AUG 11...	1530	184000	61	30300	100
SEP 03...	1325	208000	--	--	--

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
 ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	558	387	---	391	---	438	367	405	493	519	493	585
2	563	406	---	---	507	438	378	418	504	521	494	588
3	575	396	413	371	485	425	413	415	494	524	---	587
4	577	417	---	378	465	---	433	402	498	528	---	603
5	556	425	414	391	449	417	435	418	---	531	---	603
6	525	438	420	406	421	365	---	434	---	536	508	619
7	497	---	410	415	459	377	428	473	---	533	---	596
8	548	---	439	426	441	376	412	404	503	535	516	572
9	526	---	407	417	423	383	417	---	509	538	525	519
10	487	449	430	---	418	---	418	---	532	---	---	518
11	476	450	401	---	417	---	---	434	527	523	411	506
12	488	452	398	449	416	356	---	436	556	---	---	524
13	446	439	408	442	418	353	450	418	---	---	---	550
14	447	436	408	421	419	---	429	431	---	---	---	548
15	363	427	419	418	427	---	449	450	550	---	605	550
16	361	426	413	418	---	348	460	414	---	---	596	539
17	377	474	409	---	---	358	424	444	522	---	556	538
18	384	422	384	---	---	345	426	---	523	516	562	502
19	374	424	384	---	---	387	428	442	497	537	560	---
20	---	430	---	---	---	362	426	450	473	543	550	---
21	353	435	---	468	420	344	437	473	484	528	543	567
22	---	---	427	---	429	344	437	474	494	522	526	551
23	358	424	386	---	440	379	434	485	503	510	551	521
24	366	428	---	409	441	380	440	491	505	499	554	521
25	367	408	344	428	443	---	442	494	512	490	541	520
26	374	407	347	465	443	382	447	482	495	491	574	498
27	385	410	---	---	437	354	447	482	527	529	575	501
28	385	395	---	467	437	353	464	476	520	513	---	507
29	392	376	396	475	---	347	439	479	509	517	559	501
30	391	376	395	473	---	349	432	492	521	510	585	501
31	391	---	391	492	---	365	---	487	---	500	582	---
MAX	577	474	554	---	507	438	464	498	556	---	---	619
MIN	353	376	342	---	416	344	367	402	473	---	---	498

LOWER MISSISSIPPI RIVER BASIN

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07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	16.0	18.0	10.5	---	12.0	15.0	18.0	22.0	28.0	31.0	30.0
2	29.0	15.0	17.0	---	10.0	10.0	15.0	18.0	22.0	27.0	30.0	30.0
3	28.0	20.0	17.0	11.0	10.0	11.0	15.0	18.0	22.0	28.0	---	31.0
4	---	20.0	---	12.0	10.0	---	14.0	19.0	28.0	28.0	---	30.0
5	29.0	---	16.5	11.5	9.5	10.0	14.0	19.0	---	27.0	---	31.0
6	28.0	20.0	---	11.5	8.0	9.0	---	20.0	---	28.0	---	30.0
7	27.0	---	16.0	11.5	7.0	12.0	15.0	19.0	---	28.0	---	30.0
8	27.0	---	15.5	13.0	7.0	12.0	16.5	20.0	28.0	27.0	30.0	29.0
9	26.0	---	15.5	11.5	9.5	9.0	15.5	---	28.0	29.0	31.0	29.0
10	26.0	20.5	14.5	---	8.0	---	16.0	---	---	---	---	29.0
11	28.0	20.0	---	---	8.0	---	---	18.0	---	---	---	30.0
12	28.0	19.5	15.0	10.0	9.5	13.5	---	18.0	27.0	---	---	30.0
13	28.0	20.0	14.0	10.0	9.0	14.0	15.0	---	---	---	---	29.0
14	28.5	20.0	12.0	11.0	9.5	---	17.0	24.0	---	---	---	29.0
15	28.0	18.0	14.5	10.5	9.0	---	17.0	20.0	23.0	---	28.0	30.0
16	27.0	17.0	15.5	10.5	---	14.5	17.0	18.0	---	---	31.0	29.0
17	26.5	20.0	15.5	---	---	14.5	15.0	18.0	20.0	---	32.0	29.0
18	26.5	20.0	14.5	11.0	---	---	16.0	20.0	22.0	31.0	31.0	28.0
19	20.0	20.0	14.5	---	---	11.5	16.0	20.0	27.0	---	32.0	---
20	---	20.0	---	---	---	14.0	16.0	18.0	28.0	32.0	31.0	---
21	---	16.0	---	10.0	10.0	15.0	16.0	18.0	28.0	30.0	31.0	28.0
22	20.0	---	12.0	---	9.0	15.0	16.0	20.0	23.0	31.0	30.0	28.0
23	20.0	15.0	13.0	---	9.0	14.0	16.0	25.0	23.0	31.0	31.0	28.0
24	20.5	16.0	---	10.0	9.0	15.0	17.0	24.0	24.0	31.0	32.0	29.0
25	25.0	14.0	16.0	10.0	---	14.5	16.0	18.0	22.0	32.0	32.0	28.0
26	20.0	14.0	17.0	9.5	---	14.5	15.0	18.0	28.0	32.0	31.0	26.0
27	25.0	13.0	17.0	9.5	9.0	15.0	17.0	18.0	---	32.0	32.0	26.0
28	20.0	14.0	16.0	---	12.0	15.0	17.0	20.0	28.0	32.0	---	29.0
29	20.0	---	---	10.0	---	16.0	17.0	26.0	23.0	32.0	31.0	29.0
30	19.0	14.0	11.5	10.0	---	15.5	18.0	26.0	27.0	32.0	31.0	28.0
31	---	---	11.5	10.0	---	15.0	---	28.0	---	30.0	31.0	---
MAX	29.0	20.5	---	---	---	16.0	18.0	28.0	---	---	---	31.0
MIN	19.0	13.0	---	---	---	9.0	14.0	18.0	---	---	---	26.0

CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	22	28	26	33	35	20	22	26	39	35	42
2	37	22	26	---	29	32	21	23	25	40	40	41
3	31	23	23	20	28	33	23	22	23	37	---	44
4	35	20	---	18	29	---	22	21	25	38	---	45
5	35	22	21	18	24	31	23	21	---	41	---	46
6	30	22	22	20	26	26	---	20	---	39	39	43
7	30	---	21	19	25	26	27	17	---	37	---	41
8	26	---	22	21	24	26	26	20	29	35	44	39
9	26	---	21	22	25	24	29	---	33	33	50	39
10	29	26	23	---	26	---	28	---	41	---	---	41
11	37	29	19	---	24	---	---	23	39	---	---	37
12	36	27	19	22	23	21	---	22	47	---	---	33
13	34	28	18	22	26	---	22	---	---	---	---	47
14	34	27	18	20	25	---	24	22	---	---	---	45
15	20	26	18	23	29	---	25	22	47	---	51	39
16	20	24	20	21	27	21	23	18	---	---	47	37
17	26	23	20	---	---	22	25	22	47	---	45	38
18	28	22	19	27	---	19	21	31	44	32	46	34
19	26	23	20	---	---	19	20	24	40	34	44	---
20	---	25	---	---	---	19	21	23	42	33	38	---
21	25	23	---	25	28	21	22	27	45	32	36	38
22	21	---	21	---	29	24	22	27	44	32	40	39
23	20	23	19	---	26	25	23	26	46	35	41	39
24	22	23	---	23	27	22	25	27	44	30	41	40
25	23	26	19	25	29	23	27	25	40	36	42	38
26	22	24	16	28	37	21	27	28	40	32	39	41
27	22	26	16	28	34	22	25	27	44	34	42	42
28	24	23	16	30	33	22	25	29	40	31	---	35
29	23	24	14	32	---	23	22	27	38	38	47	37
30	24	25	18	30	---	22	21	28	40	36	42	36
31	22	---	16	34	---	23	---	27	---	37	44	---
MAX	37	29	28	---	37	35	29	31	47	---	---	47
MIN	20	20	14	---	23	19	20	17	23	---	---	33

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 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 09...	1730	494	7.92	26.5	10	90	<1	6.2	22	0.8
NOV 20...	1245	415	7.69	—	30	40	<1	9.0	29	3.0
DEC 10...	1710	401	7.70	9.0	10	75	<1	10.6	24	1.8
JAN 30...	1500	449	7.60	6.5	10	50	<1	11.6	43	1.8
FEB 11...	1445	408	7.60	9.0	10	32	<1	12.3	67	4.4
MAR 11...	1445	349	7.50	10.5	15	60	<1	10.6	49	1.2
APR 10...	1730	410	7.70	15.0	20	110	<1	—	—	—
MAY 13...	1600	416	7.60	22.0	5	55	<1	7.7	36	0.9
JUN 11...	1615	513	7.50	28.0	5	60	<1	6.5	57	—
JUL 15...	1700	539	7.70	30.0	0	15	<1	6.2	150	0.7
AUG 11...	1230	712	7.80	31.0	5	18	<1	6.8	51	1.7
SEP 03...	1630	2270	8.06	31.0	0	2.4	<1	7.1	63	1.3

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 09...	—	210	180	47	16	134	72	32	229	0.01
NOV 20...	1700	120	160	42	13	117	48	25	188	0.01
DEC 10...	1300	230	150	40	13	107	52	22	132	0.02
JAN 30...	1500	120	170	43	14	118	51	32	113	0.02
FEB 11...	2000	160	150	40	13	102	54	28	102	0.02
MAR 11...	2300	230	130	34	11	88	41	26	554	0.03
APR 10...	720	170	140	35	13	104	48	29	212	—
MAY 13...	3200	230	160	41	13	116	49	30	146	0.01
JUN 11...	2100	150	170	42	15	118	59	50	161	—
JUL 15...	5300	84	200	49	18	130	100	40	45	0.01
AUG 11...	460	80	180	42	18	112	61	100	41	0.01
SEP 03...	110	K22	310	77	28	148	120	500	19	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).

LOWER MISSISSIPPI RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 09...	0.99	0.67	0.52	4	2	<10	<0.5	<1	2	10
NOV 20...	1.6	0.80	0.36	3	2	<10	<0.5	1	1	10
DEC 10...	1.4	0.30	0.30	1	1	<10	<10	1	<1	<10
JAN 30...	1.3	0.28	0.24	2	1	<10	<10	2	2	<10
FEB 11...	1.3	0.35	0.24	2	<1	<10	<10	<1	<1	<10
MAR 11...	1.0	0.34	0.24	3	<1	<10	<10	40	1	10
APR 10...	—	—	—	3	<1	<10	<10	<1	<1	<10
MAY 13...	1.5	0.37	0.34	3	<1	<10	<10	1	<1	<10
JUN 11...	—	0.27	—	4	1	<10	<10	1	2	<10
JUL 15...	1.5	0.54	0.27	—	—	—	—	—	—	—
AUG 11...	1.1	0.47	0.19	2	<1	<10	—	<1	<1	<10
SEP 03...	0.51	0.48	0.20	2	2	<10	<10	1	<1	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 09...	<1	18	4	4	9	<5	<0.1	<0.1	14	<1
NOV 20...	<1	21	11	19	<5	<5	<0.1	<0.1	10	4
DEC 10...	<1	10	5	10	10	<5	<0.1	<0.1	6	<1
JAN 30...	<1	10	5	<8	8	<5	0.1	0.1	5	<1
FEB 11...	<1	6	2	20	<5	<5	<0.1	<0.1	5	3
MAR 11...	<1	10	3	10	10	<5	0.3	0.1	10	3
APR 10...	<1	20	5	<8	10	<5	<0.1	<0.1	10	2
MAY 13...	<1	10	6	<8	10	<5	<0.1	<0.1	8	3
JUN 11...	<1	20	9	10	9	<5	<0.1	<0.1	8	1
JUL 15...	<1	—	—	<8	—	—	—	—	—	—
AUG 11...	<1	6	7	<8	<5	<5	<0.1	<0.1	3	2
SEP 03...	<1	5	7	<8	<5	<5	<0.1	<0.1	3	1

< 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 1986 TO SEPTEMBER 1987

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 09...	<1	<1	2	70	12	7.0	<0.01	5	2
NOV 20...	1	<1	1	60	11	5.2	<0.01	3	2
DEC 10...	<1	<1	1	20	<10	3.3	<0.02	<1	2
JAN 30...	<1	<1	<4	30	<10	4.0	<0.02	<1	2
FEB 11...	<1	<1	<1	10	<10	3.0	<0.02	1	1
MAR 11...	<1	<1	<16	40	10	2.2	<0.02	17	3
APR 10...	<1	<1	<3	30	10	—	—	—	—
MAY 13...	<1	<1	<27	30	10	3.8	<0.02	4	4
JUN 11...	<1	<1	<2	20	10	3.0	<0.02	9	3
JUL 15...	—	—	<2	—	—	3.0	<0.02	6	<1
AUG 11...	<1	<1	4	10	<10	4.2	<0.02	2	2
SEP 03...	<1	<1	8	<10	<10	4.5	<0.02	—	<1

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

MISSISSIPPI RIVER DELTA

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07374570 CANAL W-14 AT ROBERTS ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'35", long 89°46'00", in SW 1/4 SW 1/4, sec.2, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of concrete culvert on Roberts Road, 1.5 mi northeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1966-85, October 1985 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, flood-profile gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 13.24 ft Mar. 17, 1987; minimum, 5.15 ft July 4, 5, 10, 11, 12, Sept. 9, Oct. 22, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 13.24 ft Mar. 17; minimum, 5.15 ft Oct. 22.

ELEVATION (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.26	5.16	5.51	5.40	5.37	5.77	5.65	5.25	5.26	5.74	5.20	5.30
2	5.25	5.16	5.38	5.38	5.84	5.56	5.53	5.25	5.25	5.40	5.21	5.27
3	5.32	5.17	5.31	6.33	5.42	5.47	5.71	5.35	5.24	5.25	5.22	5.26
4	5.27	5.17	5.28	6.47	5.39	5.41	5.45	5.36	5.29	5.23	5.79	5.24
5	5.21	6.02	5.26	5.63	5.83	5.46	5.40	5.74	5.27	5.24	5.60	5.24
6	5.20	5.34	5.26	5.48	5.95	5.48	5.37	6.06	5.23	5.32	5.93	5.24
7	5.20	5.26	5.25	5.42	5.84	6.53	5.33	5.62	5.23	6.54	5.41	5.24
8	5.20	5.25	5.26	5.39	5.51	6.26	5.33	5.36	5.24	5.71	5.25	5.25
9	5.33	5.24	5.26	5.37	5.41	5.70	5.31	5.32	5.24	5.38	5.24	5.25
10	5.28	5.22	5.41	5.41	5.37	5.55	5.30	7.00	5.23	5.30	5.30	5.25
11	5.44	6.60	6.10	5.35	5.34	5.47	5.30	6.98	5.32	5.27	5.44	5.42
12	5.64	5.44	5.43	5.35	5.34	5.40	5.29	5.55	5.60	5.24	8.83	5.27
13	6.15	5.26	5.31	5.33	5.34	5.37	7.05	5.43	5.70	5.23	6.92	5.22
14	5.47	5.23	5.28	6.32	5.33	5.36	6.31	5.77	6.89	5.23	5.85	5.26
15	5.24	5.24	6.84	5.72	6.80	5.35	5.60	7.88	5.57	5.24	6.35	5.25
16	5.19	5.25	6.51	7.16	6.03	5.33	5.47	5.89	5.37	5.21	5.73	5.26
17	5.17	6.69	5.84	6.69	5.62	5.72	5.40	5.57	5.56	5.22	5.42	5.27
18	5.17	5.65	5.58	6.47	5.48	8.39	5.35	5.45	5.91	5.22	5.34	5.22
19	5.17	5.37	5.90	5.79	5.42	6.00	5.34	5.37	5.59	5.22	5.30	5.21
20	5.19	6.07	5.53	5.55	5.94	5.68	5.33	5.33	5.46	5.22	5.27	5.22
21	5.17	5.53	5.40	7.14	6.32	5.53	5.29	5.39	5.42	5.86	5.26	5.22
22	5.16	5.32	6.51	6.76	8.24	5.48	5.29	5.45	5.33	5.28	5.26	5.22
23	5.28	5.36	7.12	5.78	6.23	5.85	5.27	5.34	5.28	5.22	5.26	5.22
24	5.66	5.62	5.85	5.86	6.56	7.12	5.26	5.30	5.30	5.20	5.34	5.23
25	5.38	7.03	5.57	7.19	6.05	5.72	5.26	6.02	5.31	5.20	5.29	5.24
26	5.22	5.65	5.45	5.87	6.61	5.54	5.26	6.11	5.32	5.41	5.24	5.25
27	5.19	5.42	5.40	5.63	6.31	5.86	5.26	5.56	5.27	5.31	5.23	5.25
28	5.17	6.42	5.37	5.52	6.38	5.56	5.26	5.41	5.24	5.21	5.89	5.25
29	5.16	6.56	5.37	5.46	---	7.38	5.25	5.34	5.23	5.21	6.06	5.41
30	5.16	5.87	5.36	5.43	---	6.78	5.25	5.30	5.71	5.20	5.61	5.27
31	5.16	---	5.38	5.39	---	5.96	---	5.28	---	5.20	5.39	---
MAX	6.15	7.03	7.12	7.19	8.24	8.39	7.05	7.88	6.89	6.54	8.83	5.42
MIN	5.16	5.16	5.25	5.33	5.33	5.33	5.25	5.25	5.23	5.20	5.20	5.21

07374572 CANAL W-14 AT DANAY STREET, AT SLIDELL, LA

LOCATION.--Lat 30°16'12", long 89°46'12", in NW 1/4, sec.14, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of bridge on Daney Street, 0.7 mi southeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to September 1987 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 11.46 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.59 ft Oct. 28, 1985; minimum, 10.13 ft Mar. 2, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.44 ft Mar. 18; minimum, 10.30 ft Apr. 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.06	11.91	12.55	11.63	11.05	12.24	11.00	10.76	11.75	11.77	11.08	11.71
2	12.00	11.93	12.24	11.33	11.43	11.74	10.92	10.85	11.64	11.61	11.02	11.72
3	12.11	11.88	11.61	11.82	11.15	11.58	10.96	11.14	11.62	11.41	11.20	11.70
4	12.03	11.88	11.39	12.21	11.23	11.57	10.70	11.39	11.61	11.28	11.43	11.71
5	11.84	12.11	11.38	11.53	11.73	11.64	10.69	11.46	11.58	11.35	11.34	11.90
6	11.70	11.84	11.46	11.13	12.31	11.72	10.71	11.45	11.62	11.52	11.41	11.94
7	11.79	11.86	11.56	11.09	12.18	12.30	10.77	11.22	12.00	12.11	11.38	11.86
8	11.93	11.87	11.71	11.15	11.70	12.45	10.82	11.08	12.20	11.87	11.41	11.62
9	12.07	11.78	11.76	11.31	11.03	11.96	10.75	11.12	12.26	11.82	11.49	11.24
10	12.05	11.75	11.55	11.38	10.94	11.53	10.69	12.50	12.16	11.76	11.52	11.15
11	12.18	12.31	11.94	10.81	11.01	11.39	10.68	12.74	12.17	11.74	11.28	11.37
12	12.35	11.87	11.64	10.65	10.98	11.27	10.96	11.58	12.20	11.70	13.59	11.37
13	12.52	11.57	11.27	10.63	10.87	11.32	12.18	11.48	12.21	11.56	11.88	11.28
14	12.14	11.63	11.43	11.42	11.04	11.21	12.06	11.41	12.55	11.34	10.99	11.24
15	11.92	11.74	12.13	11.33	12.34	11.39	11.26	12.69	12.07	11.22	11.67	11.28
16	11.74	11.79	12.16	12.41	11.91	11.66	10.74	11.35	11.98	11.34	11.38	11.38
17	11.69	12.64	11.92	12.14	11.36	12.26	10.78	11.49	11.76	11.40	11.14	11.54
18	11.64	11.87	11.64	12.23	10.95	14.11	10.86	11.60	11.72	11.46	11.08	11.60
19	11.85	11.70	11.75	11.67	11.01	12.76	10.96	11.60	11.44	11.80	11.02	11.55
20	12.07	12.01	11.63	11.22	11.44	12.54	11.03	11.59	11.50	12.12	11.13	11.49
21	12.02	11.69	11.48	12.33	12.02	12.37	10.89	11.60	11.53	12.46	11.11	11.70
22	11.95	11.74	11.97	12.39	13.58	12.14	10.77	11.49	11.61	12.34	11.20	11.68
23	12.06	11.98	12.99	11.26	12.08	12.26	10.70	11.54	11.73	12.20	11.29	11.64
24	12.30	12.09	12.64	11.08	12.00	13.27	10.62	11.69	11.73	12.06	11.32	11.68
25	12.29	12.71	12.02	12.41	12.05	12.61	10.71	11.95	11.63	11.94	11.34	11.54
26	12.06	12.11	11.65	11.19	12.54	12.42	10.80	12.00	11.50	11.95	11.52	11.56
27	11.93	11.82	11.63	10.85	12.53	12.46	10.88	11.98	11.40	11.83	11.46	11.55
28	11.84	12.21	11.55	10.79	12.65	12.33	10.69	12.05	11.57	11.60	11.66	11.67
29	11.72	12.64	11.55	10.93	---	13.20	10.69	12.01	11.67	11.43	11.68	11.75
30	11.62	12.69	11.47	10.98	---	12.55	10.80	11.97	11.89	11.35	11.63	11.61
31	11.78	---	11.48	10.92	---	11.62	---	11.86	---	11.31	11.59	---
MAX	12.52	12.71	12.99	12.41	13.58	14.11	12.18	12.74	12.55	12.46	13.59	11.94
MIN	11.62	11.57	11.27	10.63	10.87	11.21	10.62	10.76	11.40	11.22	10.99	11.15

MISSISSIPPI RIVER DELTA

187

07374573 CANAL W-14 AT KINGSPPOINT BOULEVARD, AT SLIDELL, LA

LOCATION.--Lat 30°15'27", long 89°45'08", in SW 1/4 SW 1/4 sec.13, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of bridge at Kingspoint Boulevard, off Interstate Service Road, 1.25 mi from the intersection of Interstate 10 and Highway 433, and 2.1 mi southeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1985 to September 1987 (discontinued).

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.91 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Discharge affected by tide at all stages. No gage-height record Oct. 1-6, 12-29, and Nov. 8-20. No velocity record Oct. 1-6, 12-29, Nov. 8-20, and June 17 to Sept. 9.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 222 ft³/s Mar. 18, 1987; minimum daily discharge recorded, -32 ft³/s Sept. 23, 1987.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	-6.7	27	17	.65	36	20	13	18	---	---	---
2	---	-5.3	22	14	22	19	17	9.1	17	---	---	---
3	---	-3.6	20	23	9.2	15	27	6.1	12	---	---	---
4	---	-7.7	13	28	6.5	14	19	12	17	---	---	---
5	---	3.0	12	23	14	13	11	30	15	---	---	---
6	---	-3.4	15	19	26	13	16	40	13	---	---	---
7	-16	2.9	14	14	33	52	13	20	15	---	---	---
8	2	---	20	12	30	49	16	20	18	---	---	---
9	6	---	20	10	18	31	19	14	20	---	---	---
10	8	---	11	20	9.5	26	19	88	19	---	---	-15
11	12	---	31	21	8.5	17	14	94	18	---	---	-3
12	---	---	24	17	17	15	8.6	29	15	---	---	-12
13	---	---	8	15	13	14	73	24	13	---	---	-11
14	---	---	6	26	11	13	60	25	56	---	---	-23
15	---	---	34	18	73	9.2	37	109	23	---	---	-14
16	---	---	11	61	52	11	20	22	24	---	---	-17
17	---	---	22	30	28	31	10	24	---	---	---	-17
18	---	---	17	13	19	222	10	26	---	---	---	-14
19	---	---	13	36	6.3	68	14	21	---	---	---	-8
20	---	---	13	18	23	63	16	22	---	---	---	-23
21	---	15	15	47	33	62	17	25	---	---	---	-26
22	---	10	24	74	172	39	14	26	---	---	---	-22
23	---	21	-31	32	51	40	16	21	---	---	---	-32
24	---	25	18	12	53	115	15	20	---	---	---	-21
25	---	57	39	69	34	37	11	28	---	---	---	-24
26	---	16	24	30	57	31	10	33	---	---	---	-23
27	---	16	11	12	44	36	13	19	---	---	---	-22
28	---	37	12	12	41	31	17	19	---	---	---	-26
29	---	28	13	5.1	---	147	8.1	21	---	---	---	-24
30	-2	-4.9	15	11	---	74	9.2	28	---	---	---	-20
31	1	---	9	7.3	---	43	---	22	---	---	---	---
TOTAL	---	---	503	746.4	904.65	1386.2	569.9	910.2	---	---	---	---
MEAN	---	---	16.2	24.1	32.3	44.7	19.0	29.4	---	---	---	---
MAX	---	---	39	74	172	222	73	109	---	---	---	---
MIN	---	---	-31	5.1	.65	9.2	8.1	6.1	---	---	---	---

MISSISSIPPI RIVER DELTA

07374573 CANAL W-14 AT KINGSPPOINT BOULEVARD, AT SLIDELL, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.42	10.06	9.14	8.51	9.72	8.41	8.20	9.26	9.24	8.58	9.22
2	---	9.44	9.75	8.82	8.75	9.23	8.35	8.18	9.15	9.11	8.52	9.24
3	---	9.39	9.12	8.91	8.60	9.09	8.19	8.46	9.13	8.91	8.70	9.21
4	---	9.38	8.89	9.46	8.71	9.08	8.04	8.81	9.12	8.79	8.86	9.21
5	---	9.54	8.88	8.98	9.16	9.15	8.05	8.86	9.09	8.86	8.80	9.40
6	---	9.34	8.97	8.54	9.75	9.23	8.09	8.74	9.14	9.03	8.79	9.44
7	9.29	9.35	9.07	8.52	9.65	9.56	8.19	8.68	9.52	9.29	8.87	9.36
8	9.43	---	9.22	8.61	9.18	9.87	8.28	8.56	9.72	9.36	8.92	9.11
9	9.57	---	9.28	8.79	8.47	9.44	8.19	8.61	9.78	9.33	9.01	8.73
10	9.56	---	9.05	8.85	8.37	9.01	8.06	9.10	9.68	9.28	9.03	8.64
11	9.66	---	9.31	8.12	8.46	8.89	8.10	9.46	9.68	9.26	8.76	8.80
12	---	---	9.15	7.88	8.42	8.77	8.47	9.06	9.70	9.22	9.46	8.86
13	---	---	8.76	7.85	8.31	8.81	9.08	8.98	9.68	9.07	8.70	8.76
14	---	---	8.93	8.09	8.51	8.70	9.30	8.85	9.68	8.84	8.24	8.73
15	---	---	9.10	8.62	9.17	8.90	8.41	9.03	9.57	8.73	8.68	8.76
16	---	---	9.44	9.04	9.30	9.17	8.05	8.75	9.49	8.85	8.79	8.86
17	---	---	9.39	9.16	8.82	9.63	8.23	8.98	9.24	8.91	8.60	9.02
18	---	---	9.13	9.50	8.37	10.56	8.37	9.11	9.12	8.98	8.56	9.09
19	---	---	9.21	9.09	8.47	10.26	8.47	9.10	8.91	9.32	8.51	9.03
20	---	---	9.12	8.64	8.76	10.04	8.49	9.10	9.00	9.64	8.63	8.98
21	---	9.18	8.98	8.94	9.39	9.87	8.23	9.10	9.05	9.94	8.61	9.20
22	---	9.25	9.14	9.39	10.06	9.65	8.15	8.98	9.13	9.86	8.71	9.17
23	---	9.49	10.14	8.53	9.49	9.68	8.08	9.04	9.25	9.72	8.80	9.14
24	---	9.51	10.14	8.30	9.23	10.27	8.02	9.20	9.25	9.58	8.82	9.16
25	---	9.85	9.53	9.09	9.49	10.11	8.18	9.30	9.14	9.46	8.84	9.03
26	---	9.60	9.16	8.39	9.84	9.93	8.33	9.41	9.01	9.44	9.02	9.03
27	---	9.32	9.14	8.05	9.94	9.95	8.29	9.48	8.91	9.35	8.97	9.03
28	---	9.55	9.06	8.05	10.07	9.84	7.88	9.56	9.09	9.12	8.88	9.14
29	---	9.91	9.05	8.35	---	9.94	8.19	9.53	9.18	8.94	8.94	9.22
30	9.12	10.18	8.96	8.40	---	9.84	8.27	9.49	9.30	8.87	9.11	9.10
31	9.27	---	8.99	8.34	---	9.05	---	9.38	---	8.83	9.09	---
MAX	---	10.18	10.14	9.50	10.07	10.56	9.30	9.56	9.78	9.94	9.46	9.44
MIN	---	---	8.76	7.85	8.31	8.70	7.88	8.18	8.91	8.73	8.24	8.64

MISSISSIPPI RIVER DELTA

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07374577 BAYOU BONFOUCA AT WEST HALL ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'05", long 89°47'30", in SE 1/4 sec.4, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on upstream side of bridge on West Hall Road, 0.9 mi northwest of Slidell city hall, and 7.5 mi from U.S. Highway 11

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1985 to September 1987 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 8.63 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.39 ft Mar. 18, 1987; minimum 7.61 ft Jan. 27, 1986 but may have been lower during the period of no gage-height record, May 5 to June 5, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.39 ft Mar. 18; minimum, 8.05 ft Jan. 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.22	10.07	10.54	9.75	9.08	9.98	8.69	8.79	9.83	9.81	9.13	9.82
2	10.11	10.08	10.16	9.37	9.30	9.53	8.83	8.88	9.72	9.66	9.04	9.83
3	10.27	9.99	9.33	9.43	9.17	9.58	8.67	9.23	9.74	9.47	9.24	9.80
4	10.12	9.98	9.36	10.12	9.27	9.63	8.58	9.54	9.69	9.36	9.40	9.81
5	9.89	10.22	9.45	9.46	9.84	9.69	8.61	9.44	9.68	9.42	9.36	10.04
6	9.73	9.88	9.57	9.04	10.62	9.75	8.64	9.26	9.73	9.62	9.34	10.09
7	9.91	9.93	9.68	9.08	10.13	10.22	8.72	9.26	10.24	9.91	9.43	9.97
8	10.12	9.95	9.84	9.19	9.48	10.55	8.86	9.15	10.45	10.01	9.51	9.67
9	10.24	9.87	9.88	9.39	8.78	9.55	8.75	9.16	10.46	9.94	9.61	9.28
10	10.16	9.85	9.56	9.42	8.91	9.36	8.63	9.70	10.28	9.88	9.62	9.18
11	10.32	10.13	9.91	8.64	9.04	9.40	8.64	9.95	10.31	9.85	9.34	9.36
12	10.48	9.96	9.67	8.47	9.02	9.29	8.99	9.61	10.29	9.81	10.39	9.45
13	10.50	9.60	9.26	8.38	8.87	9.40	9.53	9.54	10.26	9.64	9.75	9.34
14	10.12	9.75	9.54	8.57	9.07	9.23	10.12	9.39	10.12	9.37	9.37	9.29
15	9.98	9.87	9.72	9.16	9.72	9.48	9.21	9.32	10.12	9.28	9.32	9.33
16	9.79	9.93	10.13	9.53	9.74	9.80	8.56	9.20	10.02	9.44	9.48	9.43
17	9.79	10.00	10.00	9.78	9.25	10.41	8.69	9.57	9.68	9.54	9.19	9.61
18	9.75	9.82	9.64	10.27	8.84	11.64	8.86	9.71	9.52	9.57	9.12	9.69
19	10.03	9.71	9.84	9.47	9.03	10.80	8.97	9.68	9.38	9.98	9.06	9.59
20	10.31	9.93	9.70	9.13	9.35	10.52	9.10	9.68	9.57	10.35	9.19	9.57
21	10.15	9.76	9.55	9.58	10.16	10.39	8.91	9.71	9.62	10.74	9.18	9.83
22	10.06	9.86	9.68	10.16	10.99	10.11	8.73	9.56	9.72	10.54	9.27	9.76
23	10.22	10.17	11.43	8.97	9.67	10.21	8.68	9.64	9.90	10.30	9.39	9.73
24	10.49	10.11	10.63	8.86	9.70	11.09	8.52	9.87	9.87	10.13	9.41	9.76
25	10.35	10.40	9.70	9.70	10.18	10.56	8.72	9.93	9.71	10.05	9.43	9.60
26	10.07	9.99	9.62	8.84	10.61	10.47	8.84	10.04	9.53	9.96	9.66	9.62
27	9.98	9.83	9.72	8.61	10.60	10.54	8.98	10.15	9.45	9.86	9.57	9.62
28	9.91	10.18	9.64	8.63	10.76	10.38	8.69	10.25	9.69	9.61	9.42	9.75
29	9.80	10.62	9.65	8.89	---	10.64	8.64	10.15	9.81	9.47	9.51	9.82
30	9.69	10.84	9.51	8.98	---	10.39	8.88	10.11	9.95	9.42	9.70	9.67
31	9.89	---	9.58	8.89	---	9.05	---	9.95	---	9.41	9.69	---
MAX	10.50	10.84	11.43	10.27	10.99	11.64	10.12	10.25	10.46	10.74	10.39	10.09
MIN	9.69	9.60	9.26	8.38	8.78	9.05	8.52	8.79	9.38	9.28	9.04	9.18

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 Chefunct River near Folsom.

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WRD LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft above National Geodetic Vertical Datum of 1929. Prior to June 9, 1944, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--44 years, 159 ft³/s, 22.61 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)
Jan. 19	1230	1,700	14.64	Mar. 19	0100	2,440	16.02
Jan. 23	0100	1,900	15.09	Aug. 6	1300	1,640	14.49
Feb. 28	0130	*5,350	*18.77				

Minimum discharge, 32 ft³/s Oct. 4, 5, 6, gage height, 4.75 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	35	124	88	108	2050	169	69	66	71	71	59
2	33	35	106	82	121	1170	135	69	65	84	61	58
3	34	35	88	86	172	507	132	68	65	97	59	55
4	33	35	76	272	131	275	148	67	68	83	102	52
5	33	48	68	437	123	208	130	97	67	103	565	51
6	34	192	63	229	211	175	114	118	64	146	1500	50
7	37	157	60	140	618	168	106	114	63	105	829	49
8	35	65	58	116	696	355	102	199	62	111	283	48
9	37	51	58	103	298	612	97	115	61	116	332	48
10	37	46	57	102	177	491	94	90	61	96	146	47
11	38	47	78	103	143	254	92	84	61	80	104	47
12	38	55	141	90	126	188	90	83	378	74	288	48
13	43	54	109	82	115	162	92	107	236	69	716	48
14	50	46	82	81	106	144	177	157	349	66	414	47
15	56	43	75	102	178	131	289	108	515	64	214	46
16	44	43	149	122	635	123	166	100	399	63	134	46
17	38	42	298	257	689	119	118	85	419	61	106	46
18	37	42	312	797	266	1030	103	82	303	60	89	49
19	37	41	378	1560	167	1760	95	97	292	59	79	57
20	36	46	535	971	143	689	89	81	266	58	72	60
21	35	142	320	432	260	269	85	76	151	60	67	59
22	35	114	172	1350	429	190	82	74	235	58	64	50
23	35	65	586	1610	528	159	80	79	151	58	62	47
24	37	57	1200	717	391	170	78	156	106	57	60	46
25	40	518	886	331	471	256	76	200	110	58	58	44
26	41	1070	335	324	738	194	74	113	128	56	57	44
27	38	619	186	249	2920	141	73	89	93	57	56	43
28	37	267	144	176	4230	129	72	79	82	61	65	43
29	36	151	120	152	---	140	71	74	76	67	75	43
30	36	132	106	134	---	243	70	70	72	58	92	48
31	35	---	96	121	---	281	---	68	---	71	63	---
TOTAL	1169	4293	7066	11416	15190	12783	3299	3068	5064	2327	6883	1478
MEAN	37.7	143	228	368	543	412	110	99.0	169	75.1	222	49.3
MAX	56	1070	1200	1610	4230	2050	289	200	515	146	1500	60
MIN	33	35	57	81	106	119	70	67	61	56	56	43
CFSM	.39	1.50	2.39	3.85	5.69	4.31	1.15	1.04	1.77	.79	2.32	.52
IN.	.46	1.67	2.75	4.45	5.92	4.98	1.29	1.20	1.97	.91	2.68	.58

CAL YR 1986	TOTAL 29406	MEAN 80.6	MAX 1200	MIN 33	CFSM .84	IN. 11.45
WTR YR 1987	TOTAL 74036	MEAN 203	MAX 4230	MIN 33	CFSM 2.13	IN. 28.84

MISSISSIPPI RIVER DELTA

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07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.78	4.82	6.34	5.79	6.11	15.31	6.92	5.47	5.42	5.50	5.49	5.47
2	4.77	4.82	6.07	5.68	6.29	13.07	6.49	5.46	5.40	5.72	5.32	5.44
3	4.78	4.81	5.79	5.74	6.96	9.84	6.44	5.45	5.39	5.93	5.27	5.39
4	4.77	4.81	5.58	7.98	6.43	8.07	6.66	5.44	5.45	5.70	6.02	5.34
5	4.77	5.06	5.44	9.40	6.33	7.38	6.42	5.90	5.43	6.03	9.51	5.32
6	4.78	7.16	5.35	7.56	7.37	6.99	6.19	6.25	5.37	6.62	14.14	5.30
7	4.85	6.71	5.30	6.56	10.54	6.91	6.08	6.18	5.35	6.05	11.64	5.29
8	4.82	5.39	5.26	6.23	11.02	8.72	6.00	7.27	5.33	6.15	8.18	5.27
9	4.85	5.14	5.25	6.03	8.23	10.56	5.94	6.20	5.32	6.23	8.59	5.26
10	4.86	5.03	5.25	6.01	7.02	9.76	5.89	5.82	5.31	5.92	6.74	5.25
11	4.88	5.06	5.61	6.02	6.59	7.85	5.85	5.72	5.31	5.66	6.15	5.25
12	4.88	5.20	6.56	5.83	6.36	7.15	5.83	5.70	8.16	5.54	8.05	5.26
13	4.97	5.19	6.12	5.69	6.21	6.83	5.86	6.04	7.64	5.46	11.15	5.26
14	5.11	5.04	5.68	5.66	6.07	6.60	6.99	6.75	8.54	5.42	9.26	5.24
15	5.22	4.98	5.56	6.02	6.89	6.44	8.20	6.10	9.89	5.38	7.51	5.22
16	4.99	4.97	6.63	6.32	10.66	6.32	6.87	5.98	9.09	5.35	6.60	5.22
17	4.89	4.96	8.28	7.85	10.98	6.27	6.25	5.74	9.26	5.32	6.21	5.22
18	4.85	4.95	8.41	11.43	7.94	11.62	6.03	5.69	8.28	5.29	5.96	5.28
19	4.84	4.94	8.94	14.31	6.90	14.65	5.90	5.94	8.20	5.27	5.80	5.43
20	4.83	5.03	10.08	12.31	6.59	10.92	5.80	5.67	7.94	5.26	5.68	5.48
21	4.82	6.55	8.41	9.34	7.90	8.00	5.73	5.57	6.69	5.29	5.60	5.46
22	4.81	6.17	6.96	13.47	9.33	7.17	5.68	5.55	7.65	5.26	5.55	5.29
23	4.82	5.38	10.22	14.37	10.04	6.79	5.64	5.64	6.69	5.25	5.51	5.24
24	4.85	5.25	13.31	11.08	9.05	6.94	5.61	6.72	6.08	5.24	5.47	5.22
25	4.92	9.56	11.96	8.58	9.62	7.88	5.58	7.27	6.12	5.25	5.44	5.20
26	4.93	12.79	8.54	8.53	11.28	7.20	5.55	6.17	6.38	5.22	5.42	5.18
27	4.87	10.58	7.12	7.80	15.79	6.57	5.53	5.81	5.87	5.24	5.41	5.18
28	4.84	7.91	6.61	7.01	17.91	6.41	5.51	5.64	5.68	5.31	5.56	5.17
29	4.83	6.70	6.28	6.70	---	6.54	5.49	5.54	5.58	5.42	5.73	5.18
30	4.84	6.45	6.07	6.48	---	7.74	5.48	5.48	5.51	5.27	6.00	5.26
31	4.82	---	5.91	6.30	---	8.12	---	5.45	---	5.49	5.53	---
MAX	5.22	12.79	13.31	14.37	17.91	15.31	8.20	7.27	9.89	6.62	14.14	5.48
MIN	4.77	4.81	5.25	5.66	6.07	6.27	5.48	5.44	5.31	5.22	5.27	5.17

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 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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 22...	1100	36	47	7.25	16.5	20	8.6	9.6	0.9	200	310
JAN 05...	1300	651	41	6.10	10.5	120	25	9.0	1.6	K9000	6200
MAY 14...	1445	253	39	6.70	23.0	30	4.4	9.4	3.2	230	860
JUL 13...	1020	338	57	6.80	28.0	70	20	7.0	1.8	62	380

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 22...	8	1.8	0.80	5.6	1.9	13	4.3	4.4	<0.1	13	47
JAN 05...	9	1.8	1.0	2.4	2.4	6	2.2	5.0	<0.1	6.6	50
MAY 14...	8	1.7	0.90	3.3	1.6	8	0.6	4.4	<0.1	11	41
JUL 13...	8	1.8	0.89	7.8	1.9	18	2.0	4.1	<0.1	11	49

DATE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)
OCT 22...	40	0.21	0.01	0.02	0.2	0.07	0.05	0.04	40	<1	23
JAN 05...	25	0.29	0.12	0.10	1.3	0.07	0.03	0.03	—	<1	29
MAY 14...	29	0.32	0.06	0.06	0.6	0.11	0.06	0.04	50	<1	24
JUL 13...	41	0.22	0.07	0.08	0.3	0.10	0.04	0.04	80	<1	26

< 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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07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 22...	<0.5	1	<1	<3	5	180	<5	4	26	<0.1
JAN 05...	1	<1	<1	<3	9	300	<5	<4	66	0.2
MAY 14...	<0.5	<1	<1	<3	2	380	<5	<4	45	<0.1
JUL 13...	<0.5	<1	2	<3	2	300	<5	<4	49	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 22...	<10	<1	<1	<1	19	<6	17	18	—	84
JAN 05...	<10	1	<1	<1	13	<6	24	68	—	93
MAY 14...	<10	5	<1	<1	19	<6	<3	24	—	99
JUL 13...	<10	3	<1	<1	19	<6	9	13	—	86

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

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'23", long 90°21'42", on line between lots 39 and 40, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappelpeela 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.--Estimated daily discharge Aug. 13. Records good. Several measurements of water temperature were made during the year

AVERAGE DISCHARGE.--49 years, 1,538 ft³/s, 24.18 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)
Dec. 24	2230	8,580	15.96	Feb. 28	1130	*20,800	*19.08
Jan. 20	0230	13,400	17.44	Mar. 19	0900	10,700	16.67

Minimum discharge, 333 ft³/s Oct. 23. Nov. 2, 3, 4; minimum gage height, 5.26 ft Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	363	336	897	862	1100	16000	1390	682	640	605	573	577
2	364	334	815	808	1100	14100	1220	680	623	662	524	554
3	368	333	735	816	1150	9480	1160	643	610	764	498	527
4	369	333	676	1900	1140	4420	1130	636	609	1050	589	508
5	369	726	637	2730	1110	2210	1080	749	597	836	1960	501
6	368	2020	605	1860	1340	1750	1010	879	581	700	2970	493
7	367	1050	581	1320	2600	1600	963	882	571	663	1940	486
8	371	656	563	1080	3120	2420	928	950	576	657	1240	480
9	383	559	547	959	2020	4020	898	811	559	658	1020	477
10	390	504	552	899	1460	3350	873	705	547	619	761	487
11	410	593	1250	856	1210	2200	854	675	541	586	667	541
12	416	567	2580	809	1080	1690	838	764	713	564	3400	611
13	437	509	1790	763	1000	1470	854	884	1440	547	3100	583
14	527	466	1120	753	950	1340	1670	1030	1920	535	2060	518
15	563	449	925	794	1220	1250	2760	1160	2390	527	1270	489
16	451	436	1230	916	3010	1180	1810	1570	1660	520	886	477
17	393	424	2060	1540	4060	1140	1250	1430	1220	511	755	492
18	362	421	1830	5070	2440	4630	1050	1230	1000	500	685	818
19	352	418	2270	11400	1580	9930	951	925	943	494	637	2050
20	345	453	2940	12600	1270	7730	891	806	1360	491	608	1210
21	339	767	1970	9250	1490	4050	847	731	1170	493	585	875
22	336	939	1380	8890	2470	2000	812	721	968	505	566	699
23	336	639	3760	9050	4520	1540	788	1320	945	494	552	615
24	358	629	7880	5420	5110	2170	764	1940	813	485	538	567
25	397	2550	7510	2800	4780	4010	744	1680	731	479	529	539
26	401	5090	3830	3710	6800	2950	730	1090	694	479	521	518
27	366	4880	1810	2650	12900	1860	715	883	675	495	552	504
28	353	2040	1340	1790	19600	1480	703	789	637	487	559	495
29	345	1240	1140	1480	---	1360	693	733	608	562	649	488
30	341	1010	1010	1320	---	1490	683	688	589	667	638	486
31	338	---	924	1200	---	1640	---	659	---	622	608	---
TOTAL	11878	31371	57157	96295	91630	116460	31059	29325	26930	18257	32440	18665
MEAN	383	1046	1844	3106	3273	3757	1035	946	898	589	1046	622
MAX	563	5090	7880	12600	19600	16000	2760	1940	2390	1050	3400	2050
MIN	336	333	547	753	950	1140	683	636	541	479	498	477
CF SM	.59	1.62	2.85	4.81	5.07	5.82	1.60	1.46	1.39	.91	1.62	.96
IN.	.68	1.81	3.29	5.55	5.28	6.71	1.79	1.69	1.55	1.05	1.87	1.07

CAL YR 1986	TOTAL 298300	MEAN 817	MAX 7880	MIN 333	CF SM 1.26	IN. 17.18
WTR YR 1987	TOTAL 561467	MEAN 1538	MAX 19600	MIN 333	CF SM 2.38	IN. 32.33

MISSISSIPPI RIVER DELTA

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07375500 TANGIPAHOA RIVER AT ROBERT, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.31	5.38	7.41	7.29	8.06	18.08	8.89	6.69	6.53	6.41	6.30	6.31
2	5.31	5.37	7.13	7.11	8.06	17.61	8.40	6.68	6.47	6.61	6.12	6.23
3	5.32	5.37	6.86	7.14	8.20	16.22	8.21	6.54	6.43	6.96	6.02	6.13
4	5.32	5.37	6.66	10.18	8.17	13.49	8.14	6.52	6.42	7.91	6.35	6.06
5	5.31	6.71	6.52	11.89	8.07	10.94	7.99	6.91	6.38	7.20	9.94	6.03
6	5.28	10.54	6.41	10.13	8.72	9.89	7.77	7.35	6.32	6.75	12.21	6.01
7	5.27	7.85	6.32	8.70	11.62	9.49	7.62	7.36	6.29	6.61	10.30	5.98
8	5.28	6.59	6.26	7.98	12.42	11.24	7.51	7.58	6.31	6.59	8.47	5.96
9	5.36	6.25	6.21	7.61	10.51	13.33	7.41	7.12	6.25	6.60	7.80	5.94
10	5.40	6.05	6.22	7.41	9.11	12.65	7.33	6.76	6.21	6.46	6.95	5.98
11	5.52	6.36	8.36	7.27	8.38	10.91	7.26	6.66	6.19	6.34	6.62	6.18
12	5.55	6.28	11.64	7.11	8.00	9.74	7.21	6.96	6.77	6.27	12.42	6.43
13	5.67	6.06	9.93	6.96	7.76	9.13	7.26	7.36	9.05	6.21	---	6.33
14	6.14	5.90	8.09	6.93	7.58	8.76	9.62	7.84	10.28	6.16	10.59	6.10
15	6.26	5.84	7.50	7.06	8.35	8.48	11.92	8.22	11.30	6.13	8.54	5.99
16	5.85	5.79	8.41	7.46	12.18	8.27	9.99	9.42	9.63	6.10	7.37	5.94
17	5.63	5.75	10.65	9.29	13.36	8.16	8.48	9.03	8.39	6.07	6.93	6.00
18	5.53	5.73	10.08	13.86	11.34	13.33	7.90	8.42	7.75	6.03	6.69	7.08
19	5.47	5.72	11.01	16.86	9.43	16.42	7.58	7.50	7.55	6.01	6.52	10.59
20	5.43	5.85	12.19	17.24	8.56	15.55	7.39	7.10	8.81	6.00	6.42	8.38
21	5.40	6.96	10.38	16.19	9.19	13.24	7.24	6.85	8.24	6.00	6.34	7.33
22	5.38	7.54	8.88	16.07	11.35	10.46	7.12	6.82	7.64	6.05	6.27	6.74
23	5.38	6.53	12.68	16.12	13.72	9.34	7.04	8.68	7.56	6.01	6.22	6.44
24	5.50	6.48	15.63	14.25	14.17	10.66	6.96	10.33	7.13	5.97	6.17	6.28
25	5.64	11.30	15.46	11.97	13.93	13.32	6.89	9.69	6.85	5.95	6.14	6.18
26	5.65	14.13	13.01	13.06	15.11	12.11	6.85	8.02	6.73	5.95	6.11	6.10
27	5.55	13.96	10.03	11.69	17.22	10.16	6.80	7.36	6.66	6.01	6.22	6.04
28	5.47	10.46	8.75	9.98	18.85	9.15	6.76	7.05	6.52	5.98	6.25	6.01
29	5.43	8.44	8.16	9.17	---	8.81	6.72	6.86	6.42	6.26	6.57	5.98
30	5.41	7.77	7.77	8.70	---	9.19	6.69	6.71	6.35	6.63	6.52	5.98
31	5.39	---	7.50	8.34	---	9.61	---	6.60	---	6.47	6.42	---
MAX	6.26	14.13	15.63	17.24	18.85	18.08	11.92	10.33	11.30	7.91	12.42	10.59
MIN	5.27	5.37	6.21	6.93	7.58	8.16	6.69	6.52	6.19	5.95	6.02	5.94

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 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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 22...	1200	335	98	6.99	18.0	10	3.7	9.4	0.5	130	150
JAN 05...	1345	2870	50	6.40	10.5	100	48	8.8	3.0	K20000	11000
MAY 14...	1800	1050	46	6.68	25.5	30	24	8.3	3.5	K860	560
JUL 13...	1330	545	51	7.00	31.0	15	4.5	8.7	2.7	140	60

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 22...	11	2.7	1.0	6.2	1.8	14	3.1	7.1	<0.1	15	47
JAN 05...	10	2.2	1.1	3.3	3.3	9	2.8	5.4	<0.1	7.3	43
MAY 14...	9	2.2	0.90	3.3	2.3	9	—	4.5	<0.1	8.6	40
JUL 13...	10	2.4	0.95	4.6	1.6	12	3.4	5.1	<0.1	13	40

DATE	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)
OCT 22...	45	0.30	0.02	0.03	0.7	0.09	0.04	0.04	20	<1	26
JAN 05...	31	0.69	0.40	0.38	2.2	0.18	0.11	0.11	360	<1	31
MAY 14...	—	0.49	0.14	0.13	0.5	0.14	0.07	0.04	90	<1	29
JUL 13...	38	<0.10	0.04	0.06	2.2	0.08	0.03	0.03	40	<1	22

< 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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07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 22...	<0.5	1	<1	<3	3	190	<5	5	29	<0.1
JAN 05...	<0.5	<1	<1	3	9	250	<5	<4	37	<0.1
MAY 14...	<0.5	<1	<1	<3	1	190	<5	<4	38	0.1
JUL 13...	<0.5	<1	2	<3	2	220	<5	<4	49	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 22...	<10	<1	<1	<1	27	<20	13	16	14	90
JAN 05...	<10	1	<1	<1	16	<20	19	255	1980	59
MAY 14...	<10	<1	<1	<1	21	<20	<3	44	125	99
JUL 13...	<10	4	<1	1	25	<20	<3	28	41	92

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

07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between lots 46 and 47, T.1 S., R.5 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 mi².

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to current year (gage heights only).

GAGE.--Water-stage recorder with a data-collection platform and rain gage. Datum of gage is 204.44 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 ft³/s, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s Apr. 6, 1983, maximum gage height, 13.30 ft; minimum discharge, 29 ft³/s Sept. 26-30, 1968; minimum gage height, 1.76 ft Oct. 9, 11, 12, 13, 14, 15, 16, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,230 ft³/s Jan. 18, gage height, 9.48 ft; minimum gage height, 2.52 ft, Oct. 2, 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.55	2.64	2.91	2.94	3.14	9.03	3.28	2.82	2.78	2.88	2.85	2.82
2	2.55	2.65	2.86	2.90	3.27	6.79	3.16	2.82	2.78	2.94	2.81	2.79
3	2.55	2.65	2.81	3.10	3.26	4.08	3.13	2.81	2.79	2.87	2.91	2.77
4	2.55	2.65	2.80	5.04	3.20	3.65	3.09	2.82	2.80	2.85	3.01	2.76
5	2.55	4.10	2.80	4.72	3.13	3.44	3.06	2.82	2.79	2.85	3.04	2.75
6	2.54	3.29	2.79	3.57	3.61	3.31	3.03	3.22	2.80	2.87	2.93	2.74
7	2.52	2.79	2.78	3.28	5.49	3.43	3.03	3.06	2.82	2.90	3.04	2.74
8	2.55	2.72	2.78	3.12	4.47	5.39	3.01	2.90	2.83	2.87	2.91	2.74
9	2.58	2.69	2.82	3.03	3.65	6.18	2.99	2.85	2.81	2.86	2.85	2.74
10	2.60	2.67	3.35	3.00	3.36	4.37	2.97	2.88	2.81	2.85	2.83	2.76
11	2.63	2.67	5.02	2.97	3.21	3.63	2.95	3.00	2.81	2.83	2.85	2.77
12	2.74	2.67	4.29	2.92	3.12	3.40	2.94	2.91	2.99	2.83	2.95	2.76
13	2.84	2.67	3.43	2.88	3.06	3.27	2.98	2.89	3.55	2.81	2.95	2.75
14	2.82	2.68	3.12	2.91	3.01	3.22	4.13	2.90	3.88	2.81	2.85	2.75
15	2.73	2.71	3.26	2.97	3.75	3.17	4.09	3.01	3.49	2.80	2.83	2.75
16	2.68	2.73	4.66	3.46	6.27	3.12	3.32	2.91	3.17	2.79	2.82	2.76
17	2.66	2.74	4.18	5.15	4.79	3.32	3.12	2.86	3.73	2.79	2.80	3.08
18	2.66	2.74	3.82	9.00	3.58	6.79	3.03	2.92	3.33	2.78	2.80	3.02
19	2.66	2.73	4.81	9.02	3.31	7.79	2.98	2.91	3.11	2.78	2.79	2.95
20	2.67	2.92	4.45	7.07	3.22	4.66	2.94	2.85	3.12	2.80	2.79	2.86
21	2.67	3.47	3.58	4.38	4.07	3.60	2.91	2.82	3.30	2.79	2.78	2.76
22	2.66	3.03	3.45	6.38	6.97	3.38	2.89	2.80	3.25	2.79	2.78	2.74
23	2.68	2.83	7.06	6.31	7.80	3.34	2.87	2.97	3.03	2.78	2.77	2.74
24	2.76	2.85	8.19	4.07	5.60	6.34	2.86	2.91	2.94	2.77	2.75	2.73
25	2.76	3.96	5.90	6.16	6.42	6.56	2.85	2.86	2.90	2.76	2.76	2.73
26	2.70	5.86	3.78	6.09	7.77	4.02	2.84	2.86	2.88	2.77	2.76	2.73
27	2.69	4.51	3.44	4.05	8.95	3.50	2.83	2.83	2.86	2.85	2.76	2.73
28	2.66	3.30	3.24	3.62	9.21	3.32	2.83	2.81	2.84	2.92	2.78	2.73
29	2.66	3.07	3.12	3.43	---	3.28	2.82	2.80	2.83	2.84	2.81	2.74
30	2.66	2.97	3.03	3.30	---	3.92	2.82	2.80	2.84	2.82	2.78	2.76
31	2.65	---	2.98	3.20	---	3.54	---	2.79	---	2.91	2.82	---
MAX	2.84	5.86	8.19	9.02	9.21	9.03	4.13	3.22	3.88	2.94	3.04	3.08
MIN	2.52	2.64	2.78	2.88	3.01	3.12	2.82	2.79	2.78	2.76	2.75	2.73

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in SE 1/4 NE 1/4 sec.26, T.6 S., R.5 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi west of Holden, and 5.1 mi upstream from Big Branch.

DRAINAGE AREA.--247 mi².

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

REVISED RECORDS.--WSP 1711: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--47 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 flood-mark, from rating curve extended above 18,700 ft³/s; minimum discharge, 65 ft³/s Oct. 1, 2, 3, 4, 1969; minimum gage height, 0.93 ft Sept. 26, 27, Oct. 21, 22, 23, 24, 28, 29, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 27	1930	2,110	9.09	Mar. 2	0500	*5,870	*16.05
Dec. 25	2400	2,850	10.83	Mar. 20	1730	3,140	11.47
Jan. 20	1500	4,840	14.76	Mar. 26	1300	2,340	9.65

Minimum discharge, 86 ft³/s Oct. 6, 7-10; minimum gage height, 0.94 ft Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	89	298	269	374	5590	536	160	132	244	144	256
2	101	89	249	244	349	5530	427	157	134	331	134	224
3	95	89	215	252	337	4210	375	155	133	228	123	175
4	92	89	190	501	342	3120	345	158	133	186	123	149
5	88	265	173	985	319	1500	320	156	131	163	233	136
6	87	719	160	878	362	694	295	155	129	154	231	128
7	86	535	151	608	554	534	275	172	129	172	213	123
8	86	277	144	392	854	762	258	213	130	290	212	119
9	86	193	139	318	853	1410	245	188	129	225	184	116
10	86	163	138	278	592	1510	234	169	133	177	151	124
11	88	261	247	251	408	1250	227	168	124	160	146	117
12	98	276	1030	234	339	796	220	224	125	148	1070	180
13	101	193	1260	219	301	525	222	412	139	140	1510	161
14	170	148	586	213	275	440	405	318	239	136	600	126
15	169	130	366	221	395	386	1090	216	830	132	301	115
16	124	121	490	287	869	348	1110	182	1030	128	215	111
17	106	117	940	600	1350	342	539	177	830	126	180	111
18	98	114	944	1710	1190	1150	365	187	436	123	162	203
19	94	112	1060	2820	742	2030	299	178	440	120	151	524
20	93	132	1460	4520	452	2960	261	162	360	121	142	361
21	92	387	1140	4370	458	2430	235	157	348	124	137	242
22	91	373	686	3770	756	1470	218	173	355	138	132	181
23	92	261	1340	3210	1270	614	205	207	390	143	128	152
24	97	216	2140	2680	1700	964	195	175	317	124	125	137
25	98	791	2650	1800	1970	1880	186	291	241	118	121	128
26	99	1650	2550	1350	2420	2280	180	220	203	118	135	122
27	97	2030	1850	1500	3550	1730	176	172	185	121	124	118
28	94	1640	747	1290	4910	858	171	158	176	127	124	115
29	92	695	439	711	---	537	167	148	164	150	191	113
30	91	380	352	508	---	503	163	142	174	144	364	111
31	90	---	302	428	---	557	---	138	---	138	405	---
TOTAL	3074	12535	24436	37417	28291	48910	9944	5888	8419	4949	8211	4978
MEAN	99.2	418	788	1207	1010	1578	331	190	281	160	265	166
MAX	170	2030	2650	4520	4910	5590	1110	412	1030	331	1510	524
MIN	86	89	138	213	275	342	163	138	124	118	121	111
CFSM	.46	1.69	3.19	4.89	4.09	6.39	1.34	.77	1.14	.65	1.07	.67
IN.	.46	1.89	3.68	5.64	4.26	7.37	1.50	.89	1.27	.75	1.24	.75
CAL YR 1986	TOTAL	98943	MEAN	271	MAX	2650	MIN	86	CFSM	1.10	IN.	14.90
WTR YR 1987	TOTAL	197052	MEAN	540	MAX	5590	MIN	86	CFSM	2.19	IN.	29.68

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.03	.99	2.82	2.63	3.29	15.73	4.13	1.80	1.55	2.41	1.63	2.49
2	1.13	.99	2.51	2.47	3.14	15.65	3.57	1.78	1.56	2.99	1.54	2.26
3	1.05	.99	2.26	2.51	3.07	13.61	3.28	1.76	1.55	2.31	1.45	1.89
4	1.02	.98	2.07	3.92	3.10	11.41	3.09	1.77	1.55	2.00	1.44	1.67
5	.97	2.28	1.93	5.86	2.95	7.37	2.94	1.76	1.53	1.81	2.33	1.55
6	.96	4.87	1.83	5.49	3.21	4.78	2.78	1.75	1.51	1.73	2.32	1.48
7	.95	4.01	1.75	4.42	4.19	4.13	2.65	1.89	1.51	1.88	2.20	1.43
8	.95	2.55	1.69	3.39	5.41	5.03	2.55	2.21	1.52	2.71	2.18	1.40
9	.95	1.97	1.64	2.95	5.41	7.20	2.46	2.02	1.51	2.28	1.97	1.38
10	.95	1.72	1.63	2.69	4.36	7.48	2.38	1.87	1.54	1.92	1.69	1.44
11	.97	2.44	2.40	2.52	3.48	6.72	2.33	1.87	1.46	1.77	1.64	1.38
12	1.10	2.55	5.99	2.40	3.08	5.17	2.28	2.24	1.47	1.67	5.81	1.92
13	1.14	1.96	6.73	2.29	2.84	4.08	2.29	3.46	1.60	1.60	7.46	1.77
14	1.77	1.59	4.31	2.25	2.67	3.64	3.43	2.92	2.36	1.56	4.32	1.46
15	1.77	1.42	3.24	2.30	3.33	3.35	6.18	2.24	5.29	1.52	2.78	1.37
16	1.37	1.34	3.87	2.74	5.44	3.13	6.25	1.98	6.00	1.49	2.20	1.33
17	1.19	1.31	5.71	4.34	7.02	3.07	4.11	1.94	5.27	1.47	1.93	1.32
18	1.10	1.29	5.73	7.99	6.53	6.36	3.21	2.02	3.59	1.45	1.78	2.03
19	1.05	1.27	6.10	10.74	4.95	8.87	2.81	1.95	3.61	1.42	1.68	4.02
20	1.03	1.45	7.35	14.19	3.71	11.07	2.56	1.81	3.16	1.42	1.61	3.14
21	1.02	3.20	6.37	13.93	3.74	9.85	2.39	1.76	3.09	1.45	1.56	2.39
22	1.01	3.15	4.75	12.76	5.02	7.33	2.26	1.89	3.14	1.58	1.51	1.94
23	1.02	2.45	6.95	11.62	6.77	4.46	2.17	2.17	3.34	1.62	1.48	1.70
24	1.07	2.13	9.15	10.45	8.03	5.74	2.09	1.92	2.90	1.45	1.45	1.56
25	1.09	4.98	10.38	8.27	8.73	8.50	2.02	2.74	2.40	1.40	1.42	1.48
26	1.10	7.87	10.14	7.01	9.83	9.50	1.97	2.26	2.13	1.40	1.54	1.43
27	1.08	8.88	8.40	7.46	12.31	8.08	1.94	1.89	1.99	1.42	1.44	1.39
28	1.05	7.82	4.95	6.85	14.71	5.37	1.90	1.78	1.92	1.48	1.44	1.37
29	1.02	4.75	3.64	4.85	---	4.14	1.86	1.69	1.82	1.68	1.98	1.35
30	1.01	3.32	3.16	4.00	---	3.97	1.83	1.64	1.89	1.63	3.16	1.33
31	1.00	---	2.85	3.59	---	4.23	---	1.60	---	1.58	3.40	---
MAX	1.77	8.88	10.38	14.19	14.71	15.73	6.25	3.46	6.00	2.99	7.46	4.02
MIN	.95	.98	1.63	2.25	2.67	3.07	1.83	1.60	1.46	1.40	1.42	1.32

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: Apr. 7-13, Apr. 18 to May 6, May 8-12, 15-17, 19-21, May 27 to June 9. Records good, except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--44 years, 116 ft³/s, 19.81 in/yr. The figures published in the 1986 report were in error, the correct figures are 43 years, 114 ft³/s, 19.47 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. 23	1930	1,870	12.54	Feb. 27	2230	*3,470	*15.16
Jan. 18	2230	1,850	12.51	Mar. 18	1530	1,730	12.24
Jan. 22	1130	1,830	12.46	Aug. 12	1500	2,870	14.30

Minimum discharge, 6.8 ft³/s Oct. 5, 6, 7, 8, gage height, 2.99 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	7.2	89	46	62	1610	99	46	52	34	43	35
2	7.4	7.2	69	42	113	572	82	45	49	68	28	27
3	7.2	7.2	56	115	82	248	85	49	47	58	23	23
4	7.5	7.1	47	568	68	171	81	58	46	32	93	20
5	7.0	635	40	266	85	135	77	60	43	24	205	19
6	6.9	668	35	130	386	113	74	78	42	23	217	18
7	6.9	146	35	85	513	136	70	87	41	41	70	17
8	7.0	80	33	67	230	624	68	76	40	40	122	17
9	7.6	55	32	59	121	430	65	70	40	34	72	28
10	7.9	43	32	57	88	219	62	60	39	22	39	40
11	7.4	254	253	48	67	144	60	58	39	19	32	18
12	12	125	256	43	57	114	58	100	44	18	2060	143
13	18	65	111	39	51	96	78	141	113	17	1130	53
14	120	39	66	48	48	83	629	81	160	17	233	28
15	45	28	91	66	434	74	304	76	145	16	100	21
16	17	23	395	251	593	68	128	72	170	15	61	19
17	11	21	325	561	227	139	91	74	150	15	46	34
18	9.3	20	231	1660	115	1540	80	76	77	14	37	268
19	8.9	18	853	1620	79	760	76	78	61	14	32	149
20	8.0	193	391	770	124	263	70	82	127	15	29	80
21	7.6	470	168	608	248	144	66	105	82	16	26	48
22	7.5	141	213	1640	597	105	63	130	97	24	24	32
23	7.6	74	1620	746	457	103	60	152	58	24	23	26
24	11	120	1140	254	339	1040	58	289	43	15	21	22
25	17	1360	433	213	870	679	57	142	33	14	21	19
26	11	1440	167	201	970	247	54	99	36	21	20	19
27	8.5	618	112	128	2950	139	52	80	36	19	21	19
28	8.0	220	85	92	2950	106	49	72	22	17	21	18
29	7.7	142	69	77	---	113	49	64	19	17	211	17
30	7.4	108	59	69	---	228	48	60	21	25	90	17
31	7.2	---	51	65	---	146	---	56	---	124	44	---
TOTAL	429.9	7132.7	7557	10634	12924	10589	2893	2716	1972	852	5194	1294
MEAN	13.9	238	244	343	462	342	96.4	87.6	65.7	27.5	168	43.1
MAX	120	1440	1620	1660	2950	1610	629	289	170	124	2060	268
MIN	6.9	7.1	32	39	48	68	48	45	19	14	20	17
CFSM	.17	2.99	3.07	4.31	5.81	4.30	1.21	1.10	.83	.35	2.11	.54
IN.	.20	3.34	3.54	4.98	6.05	4.95	1.35	1.27	.92	.40	2.43	.61
CAL YR 1986	TOTAL 27058.7		MEAN 74.1		MAX 1620		MIN 6.9		CFSM .93		IN. 12.66	
WTR YR 1987	TOTAL 64187.6		MEAN 176		MAX 2950		MIN 6.9		CFSM 2.21		IN. 30.03	

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.03	3.03	4.40	3.87	4.10	11.58	4.15	---	---	3.65	3.77	3.76
2	3.03	3.03	4.19	3.80	4.61	7.38	3.99	---	---	4.16	3.55	3.64
3	3.02	3.03	4.02	4.40	4.33	5.36	4.02	---	---	4.03	3.43	3.55
4	3.03	3.02	3.88	7.58	4.17	4.78	3.97	---	---	3.63	4.35	3.49
5	3.00	7.18	3.77	5.75	4.37	4.48	3.92	---	---	3.47	5.29	3.45
6	3.00	7.92	3.68	4.76	6.29	4.29	3.89	---	---	3.45	5.37	3.43
7	3.00	4.83	3.68	4.37	7.27	4.48	---	3.98	---	3.73	4.12	3.41
8	3.01	4.22	3.65	4.16	5.51	7.71	---	---	---	3.73	4.59	3.40
9	3.04	3.94	3.62	4.06	4.69	6.58	---	---	---	3.64	4.13	3.54
10	3.05	3.78	3.63	4.03	4.39	5.15	---	---	3.24	3.42	3.71	3.79
11	3.03	5.53	5.54	3.90	4.16	4.56	---	---	3.25	3.36	3.60	3.43
12	3.16	4.65	5.68	3.82	4.03	4.30	---	---	3.32	3.34	12.05	4.74
13	3.36	4.06	4.60	3.76	3.95	4.13	---	4.46	4.13	3.32	9.59	4.00
14	4.54	3.73	4.15	3.89	3.90	3.99	7.69	3.89	4.51	3.30	5.57	3.62
15	3.80	3.56	4.36	4.15	6.34	3.89	5.74	---	4.43	3.28	4.57	3.48
16	3.34	3.48	6.59	5.52	7.68	3.81	4.42	---	4.62	3.26	4.16	3.43
17	3.19	3.44	6.14	7.48	5.49	4.28	4.07	---	4.50	3.25	3.96	3.70
18	3.12	3.41	5.52	12.01	4.64	11.67	---	3.82	3.86	3.24	3.82	5.65
19	3.11	3.37	8.99	11.93	4.31	8.41	---	---	3.70	3.23	3.73	4.92
20	3.07	4.70	6.55	8.47	4.63	5.46	---	---	4.41	3.26	3.68	4.35
21	3.05	6.93	5.06	7.54	5.64	4.56	---	---	4.03	3.29	3.64	3.94
22	3.05	4.79	5.28	11.97	7.75	4.22	---	4.37	4.21	3.44	3.60	3.68
23	3.05	4.15	11.87	8.45	6.95	4.18	---	4.51	3.82	3.46	3.57	3.57
24	3.19	4.43	10.17	5.67	6.22	9.72	---	5.50	3.62	3.27	3.54	3.48
25	3.33	11.03	6.77	5.41	9.08	8.00	---	4.43	3.50	3.22	3.52	3.42
26	3.17	11.31	5.06	5.32	9.53	5.34	---	4.05	3.57	3.41	3.50	3.41
27	3.09	7.79	4.61	4.75	14.35	4.52	---	---	3.62	3.37	3.51	3.40
28	3.07	5.45	4.36	4.44	14.42	4.23	---	---	3.38	3.31	3.50	3.38
29	3.06	4.86	4.18	4.28	---	4.28	---	---	3.35	3.30	5.26	3.37
30	3.04	4.58	4.05	4.19	---	5.22	---	---	3.41	3.46	4.46	3.36
31	3.03	---	3.95	4.14	---	4.58	---	---	---	4.60	3.92	---
MAX	4.54	11.31	11.87	12.01	14.42	11.67	7.69	5.50	4.62	4.60	12.05	5.65
MIN	3.00	3.02	3.62	3.76	3.90	3.81	---	---	---	3.22	3.43	3.36

LOCATION.--Lat 30°53'20", long 90°50'40", In lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

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.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 26	1830	8,780	12.37	Mar. 1	0300	*21,200	*16.68
Jan. 19	1430	19,000	16.22	Mar. 18	1600	13,400	14.58
Feb. 22	1630	8,080	11.89				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251	246	736	619	795	18900	1270	446	504	521	467	339
2	250	245	644	578	948	10100	1020	440	478	604	392	321
3	245	244	570	596	1360	3450	941	437	457	520	365	312
4	242	254	519	2660	1110	1770	916	455	445	478	412	302
5	238	1250	480	2940	922	1360	834	572	433	498	433	297
6	235	990	453	1580	1280	1150	772	836	423	466	416	294
7	232	495	434	1050	2940	1110	727	797	413	489	431	293
8	232	538	426	836	2570	3570	690	566	402	483	1120	292
9	242	443	418	719	1600	4730	663	501	396	464	828	287
10	318	361	521	664	1120	3060	644	485	389	444	503	307
11	345	325	2250	640	885	1700	624	490	385	424	435	393
12	274	302	2090	598	820	1270	613	472	660	409	541	317
13	355	286	1200	558	757	1080	611	527	3200	398	467	307
14	538	276	839	552	715	963	999	646	3380	392	404	308
15	406	275	782	598	1550	887	1200	2030	2580	460	379	290
16	305	279	2300	752	6390	836	962	2930	1740	410	362	294
17	269	284	2250	1930	5360	1130	735	1930	3490	380	350	295
18	258	282	1550	11400	2510	11300	650	1270	2150	370	341	368
19	253	277	3170	17900	1320	10800	608	942	1490	387	334	428
20	247	446	2770	13300	1090	6280	575	689	1620	413	328	360
21	246	1480	1610	5330	3070	2190	552	592	1220	416	324	325
22	245	602	1120	5890	7130	1400	537	537	2930	398	319	298
23	250	427	5600	4940	6550	1200	514	896	1220	421	316	286
24	281	1150	7150	2550	4000	6180	505	1050	849	392	315	280
25	347	5450	5300	3260	6040	6180	491	939	898	384	313	277
26	333	8410	2170	3130	6040	2650	482	2690	723	363	308	277
27	279	6620	1300	2120	7640	1500	476	2860	596	411	312	274
28	258	2360	1010	1400	13900	1190	470	998	531	448	308	271
29	252	1140	846	1140	---	1110	461	704	492	379	330	274
30	249	871	741	983	---	2270	450	597	481	387	495	277
31	247	---	669	872	---	1900	---	542	---	575	402	---
TOTAL	8722	36608	51918	92085	90412	113216	20992	29866	34975	13584	13050	9243
MEAN	281	1220	1675	2970	3229	3652	700	963	1166	438	421	308
MAX	538	8410	7150	17900	13900	18900	1270	2930	3490	604	1120	428
MIN	232	244	418	552	715	836	450	437	385	363	308	271
CFSM	.48	2.10	2.89	5.12	5.57	6.30	1.21	1.66	2.01	.76	.73	.53
IN.	.56	2.35	3.33	5.91	5.80	7.26	1.35	1.92	2.24	.87	.84	.59
CAL YR 1986	TOTAL 258770		MEAN 709		MAX 8410		MIN 232		CFSM 1.22		IN. 16.60	
WTR YR 1987	TOTAL 514671		MEAN 1410		MAX 18900		MIN 232		CFSM 2.43		IN. 33.01	

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	2.61	3.83	3.55	3.95	16.15	4.85	3.14	3.28	3.32	3.19	2.88
2	2.63	2.61	3.61	3.45	4.25	12.89	4.41	3.13	3.22	3.52	3.01	2.83
3	2.61	2.60	3.44	3.50	5.00	7.54	4.25	3.12	3.17	3.32	2.94	2.81
4	2.59	2.64	3.31	6.63	4.57	5.64	4.20	3.16	3.14	3.22	3.06	2.78
5	2.58	4.73	3.22	7.03	4.21	5.00	4.03	3.44	3.11	3.27	3.11	2.76
6	2.57	4.32	3.16	5.35	4.82	4.64	3.90	4.00	3.08	3.19	3.07	2.76
7	2.56	3.26	3.11	4.45	7.04	4.56	3.81	3.94	3.06	3.24	3.10	2.75
8	2.56	3.36	3.09	4.04	6.62	7.66	3.73	3.43	3.03	3.23	4.56	2.75
9	2.60	3.13	3.07	3.79	5.39	8.88	3.66	3.27	3.02	3.18	4.00	2.74
10	2.81	2.93	3.31	3.66	4.59	7.16	3.61	3.23	3.00	3.14	3.28	2.79
11	2.89	2.84	6.23	3.60	4.14	5.53	3.57	3.25	2.99	3.09	3.11	3.01
12	2.70	2.78	6.03	3.50	4.00	4.86	3.54	3.20	3.54	3.05	3.37	2.82
13	2.91	2.74	4.73	3.41	3.87	4.52	3.53	3.33	7.26	3.02	3.19	2.79
14	3.36	2.71	4.04	3.39	3.78	4.30	4.34	3.62	7.49	3.01	3.04	2.80
15	3.04	2.70	3.92	3.50	4.95	4.14	4.74	5.87	6.62	3.18	2.97	2.75
16	2.79	2.72	6.27	3.85	10.50	4.04	4.29	7.03	5.60	3.05	2.93	2.76
17	2.69	2.72	6.24	5.57	9.49	4.43	3.82	5.75	7.55	2.98	2.90	2.76
18	2.66	2.72	5.31	13.59	6.51	13.62	3.63	4.84	6.12	2.95	2.88	2.95
19	2.64	2.71	7.28	15.94	4.94	13.48	3.53	4.25	5.22	3.00	2.86	3.10
20	2.62	3.09	6.85	14.39	4.53	10.33	3.45	3.72	5.43	3.06	2.85	2.93
21	2.61	5.18	5.39	9.41	7.13	6.15	3.39	3.49	4.76	3.07	2.84	2.84
22	2.61	3.51	4.59	10.00	11.09	5.07	3.36	3.36	7.00	3.02	2.83	2.77
23	2.62	3.09	9.64	9.07	10.61	4.73	3.30	4.10	4.76	3.08	2.82	2.73
24	2.72	4.40	11.17	6.59	8.14	10.23	3.28	4.44	4.06	3.01	2.81	2.72
25	2.89	9.59	9.42	7.39	10.16	10.27	3.25	4.25	4.16	2.99	2.81	2.71
26	2.86	12.12	6.12	7.25	10.14	6.70	3.23	6.58	3.79	2.94	2.80	2.71
27	2.72	10.62	4.90	6.08	11.55	5.24	3.21	6.86	3.50	3.05	2.81	2.70
28	2.66	6.31	4.38	5.07	14.53	4.71	3.20	4.36	3.35	3.14	2.80	2.70
29	2.63	4.62	4.06	4.62	---	4.57	3.18	3.75	3.25	2.97	2.85	2.70
30	2.62	4.11	3.84	4.33	---	6.26	3.15	3.50	3.22	2.99	3.26	2.71
31	2.61	---	3.67	4.11	---	5.80	---	3.37	---	3.45	3.03	---
MAX	3.36	12.12	11.17	15.94	14.53	16.15	4.85	7.03	7.55	3.52	4.56	3.10
MIN	2.56	2.60	3.07	3.39	3.78	4.04	3.15	3.12	2.99	2.94	2.80	2.70

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in lot 41, T.3 S., R.2 E., St. Helena meridian, East Feliciana Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

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

REVISED RECORDS.--WSP 1177: 1948, 1949(M). WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft above National Geodetic Vertical Datum of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges: Jan. 29 to Feb. 2, Feb. 4-6, 9-12, July 20-24, July 30 to Aug. 2, and Aug. 13-19. Records are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--45 years, 234 ft³/s, 21.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s Apr. 22, 1977; maximum gage height, 23.37 ft present datum, Mar. 18, 1961; minimum discharge, 28 ft³/s Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 0.84 ft Sept. 14, 15-17, 18, 1986.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 19	0030	*7,320	*11.42	Mar. 18	0500	3,850	8.16
Feb. 28	1600	3,550	7.82				

Minimum discharge, 40 ft³/s Oct. 8, gage height, 0.86 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	44	101	95	115	2750	179	84	79	129	120	85
2	45	44	88	89	110	994	151	85	77	190	90	69
3	45	44	79	205	244	297	140	84	76	117	76	62
4	44	44	74	1010	130	212	136	84	76	96	165	56
5	44	1130	72	466	110	170	126	83	75	250	261	54
6	44	589	68	197	250	149	118	84	74	279	276	52
7	42	178	66	145	739	207	114	96	74	127	190	51
8	42	152	63	122	329	1210	110	105	71	98	165	50
9	44	100	63	109	170	1360	108	88	70	83	120	49
10	46	68	153	105	140	480	106	86	70	78	81	48
11	78	58	664	104	120	239	105	85	70	75	97	48
12	62	54	322	96	110	185	103	88	85	74	1730	49
13	83	52	148	90	102	160	103	85	438	73	540	49
14	109	50	110	94	97	142	161	94	778	70	150	48
15	90	48	231	110	826	132	181	187	838	67	100	47
16	56	48	966	415	2090	124	118	140	509	71	80	46
17	49	48	491	1170	1850	261	107	97	407	73	70	46
18	46	47	418	4330	289	3290	103	104	219	147	62	52
19	45	47	1200	5040	177	2260	100	134	272	94	58	79
20	44	103	528	1910	147	499	97	94	223	68	56	59
21	43	253	210	549	654	232	95	88	614	170	54	51
22	44	134	213	1810	2110	181	92	89	208	180	53	49
23	46	112	1950	1220	1990	236	91	103	140	120	53	47
24	55	176	1700	304	676	2110	90	250	327	90	52	46
25	87	1560	522	1670	1550	1610	89	121	255	66	51	46
26	83	1890	206	679	1650	446	89	135	115	83	51	46
27	53	1530	157	256	1850	235	88	203	94	129	51	46
28	47	240	133	202	2640	185	87	100	86	90	52	46
29	46	143	118	140	---	252	86	88	84	247	68	45
30	45	115	108	130	---	574	85	84	98	78	257	44
31	45	---	101	120	---	268	---	81	---	70	238	---
TOTAL	1698	9101	11323	22982	21265	21450	3358	3329	6602	3582	5467	1565
MEAN	54.8	303	365	741	759	692	112	107	220	116	176	52.2
MAX	109	1890	1950	5040	2640	3290	181	250	838	279	1730	85
MIN	42	44	63	89	97	124	85	81	70	66	51	44
CFSM	.38	2.09	2.52	5.11	5.23	4.77	.77	.74	1.52	.80	1.21	.36
IN.	.44	2.33	2.90	5.90	5.46	5.50	.86	.85	1.69	.92	1.40	.40
CAL YR 1986	TOTAL 60887		MEAN 167	MAX 2300	MIN 38	CFSM 1.15	IN. 15.62					
WTR YR 1987	TOTAL 111722		MEAN 306	MAX 5040	MIN 42	CFSM 2.11	IN. 28.66					

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.91	.94	1.37	1.36	---	6.82	1.89	1.32	1.28	1.66	---	1.40
2	.90	.94	1.28	1.33	---	3.97	1.75	1.32	1.27	1.96	---	1.28
3	.90	.94	1.21	1.75	2.16	2.37	1.70	1.32	1.26	1.59	1.34	1.23
4	.90	.94	1.17	4.15	---	2.04	1.68	1.32	1.26	1.45	1.77	1.19
5	.90	4.18	1.15	2.85	---	1.83	1.62	1.31	1.25	2.06	2.24	1.18
6	.89	3.12	1.13	1.96	---	1.72	1.58	1.31	1.24	2.26	2.25	1.16
7	.88	1.80	1.12	1.70	3.57	1.93	1.56	1.39	1.24	1.65	1.99	1.15
8	.88	1.66	1.10	1.57	2.47	4.47	1.53	1.46	1.23	1.46	1.83	1.14
9	.89	1.33	1.10	1.48	---	4.75	1.51	1.33	1.22	1.37	1.63	1.14
10	.91	1.10	1.62	1.44	---	2.90	1.49	1.32	1.22	1.33	1.37	1.13
11	1.16	1.02	3.39	1.44	---	2.16	1.48	1.31	1.22	1.31	1.47	1.13
12	1.04	.99	2.42	1.38	1.45	1.91	1.47	1.34	1.33	1.30	5.38	1.13
13	1.20	.97	1.69	1.34	1.40	1.78	1.47	1.32	2.72	1.29	---	1.14
14	1.39	.95	1.45	1.37	1.37	1.69	1.81	1.38	3.65	1.27	---	1.13
15	1.25	.94	1.92	1.48	3.15	1.64	1.90	1.87	3.79	1.25	---	1.12
16	1.01	.95	4.06	2.55	5.90	1.59	1.57	1.67	2.99	1.29	---	1.11
17	.96	.95	2.93	4.24	5.44	1.95	1.49	1.39	2.58	1.30	---	1.11
18	.95	.94	2.64	8.57	2.33	7.51	1.46	1.43	2.09	1.71	---	1.16
19	.94	.94	4.47	9.31	1.86	6.16	1.44	1.62	2.29	1.45	---	1.37
20	.94	1.34	3.01	5.55	1.70	2.93	1.42	1.37	2.06	---	1.18	1.22
21	.94	2.07	2.01	3.00	3.29	2.13	1.41	1.32	3.23	---	1.17	1.15
22	.94	1.56	1.96	5.50	5.96	1.90	1.39	1.33	2.02	---	1.16	1.13
23	.96	1.43	5.70	4.46	5.78	2.03	1.38	1.43	1.70	---	1.16	1.12
24	1.03	1.60	5.31	2.39	3.37	5.95	1.37	2.12	2.47	---	1.15	1.11
25	1.24	5.04	2.95	5.24	5.08	5.18	1.36	1.56	2.19	1.26	1.14	1.11
26	1.22	5.63	1.99	3.37	5.25	2.80	1.35	1.59	1.57	1.37	1.14	1.11
27	1.01	4.99	1.75	2.22	5.56	2.15	1.34	1.96	1.43	1.68	1.14	1.11
28	.97	2.10	1.63	1.98	6.63	1.92	1.34	1.42	1.37	1.44	1.14	1.11
29	.96	1.64	1.53	---	---	2.11	1.33	1.34	1.36	2.05	1.28	1.10
30	.95	1.47	1.46	---	---	3.18	1.33	1.31	1.46	1.35	2.24	1.09
31	.95	---	1.40	---	---	2.27	---	1.29	---	---	2.13	---
MAX	1.39	5.63	5.70	9.31	6.63	7.51	1.90	2.12	3.79	2.26	---	1.40
MIN	.88	.94	1.10	1.33	1.37	1.59	1.33	1.29	1.22	---	1.14	1.09

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 lot 39, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights from January 1965 to July 1972 published as White Bayou near Zachary by Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Estimated daily discharges: Oct. 18-29, Dec. 18-22, Jan. 27 to Feb. 2, and Feb. 28 to Apr. 6. Records good except for periods of estimated record which are poor. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--15 years, 79.9 ft³/s, 24.11 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)
Aug. 13	0315	*2,770	*19.92	No other peak greater than base discharge.			

Minimum discharge, no flow at times, Nov. 1, 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.01	7.6	5.2	32	1400	58	1.2	.96	1.7	2.8	30
2	.51	.13	5.9	4.6	710	300	25	.83	.85	1.5	2.3	12
3	.51	.03	4.6	142	50	50	40	.82	.77	17	1.4	6.6
4	.51	.01	3.3	775	29	37	21	2.6	.72	13	7.3	3.9
5	.51	455	2.6	245	28	28	11	1.9	.64	5.7	11	2.5
6	.54	356	2.5	37	189	21	6.4	1.2	.60	178	12	1.8
7	.51	65	2.0	23	313	27	3.4	.99	.73	484	2.5	1.5
8	.51	41	2.3	16	74	150	3.1	.95	.83	73	19	1.4
9	.51	15	3.5	11	38	700	2.5	1.0	.67	21	13	1.3
10	.51	6.9	210	8.8	26	130	2.1	1.2	.60	9.5	5.2	1.3
11	.51	4.0	619	7.0	21	30	1.8	1.4	.57	5.4	151	1.3
12	9.9	2.0	102	5.7	18	25	1.7	1.3	.62	3.3	1920	1.3
13	30	1.7	27	5.0	16	22	3.7	1.3	.83	2.1	2590	1.2
14	23	1.2	15	10	14	19	125	1.0	561	1.7	460	1.2
15	5.2	1.1	180	24	647	17	19	.84	440	1.3	27	1.2
16	2.0	1.0	550	366	1280	15	9.0	.85	90	1.1	13	1.2
17	1.4	.92	105	866	251	200	5.1	.92	47	.92	8.9	1.2
18	.82	.96	40	1380	33	1500	2.9	.79	23	.87	5.2	1.2
19	.72	1.0	720	1080	21	450	2.2	.73	8.7	1.0	3.4	1.4
20	.64	322	230	167	26	110	1.7	6.0	5.6	.93	2.5	1.3
21	.58	169	80	257	171	34	1.5	2.1	16	.82	1.8	1.2
22	1.8	25	22	870	939	25	1.4	51	311	23	1.5	1.2
23	5.2	341	1080	243	423	32	1.3	74	136	8.7	1.3	1.2
24	17	190	475	75	167	1000	1.2	17	19	1.9	1.2	1.2
25	14	1160	46	750	718	280	1.1	17	8.2	1.2	1.8	1.2
26	6.8	1080	26	352	691	70	1.0	12	9.7	.85	1.4	1.2
27	3.5	160	17	80	808	35	1.3	3.2	5.9	54	1.2	1.2
28	1.5	29	11	60	1100	28	1.7	1.7	3.1	25	1.7	1.2
29	.82	17	8.9	50	---	34	1.8	1.3	1.8	12	56	1.2
30	.31	11	7.3	42	---	300	.85	1.1	1.5	8.5	858	1.2
31	.13	---	6.1	36	---	130	---	1.0	---	2.8	122	---
TOTAL	130.97	4456.96	4611.6	7993.3	8833	7199	357.75	209.22	1779.06	961.79	6305.4	86.8
MEAN	4.22	149	149	258	315	232	11.9	6.75	59.3	31.0	203	2.89
MAX	30	1160	1080	1380	1280	1500	125	74	561	484	2590	30
MIN	.13	.01	2.0	4.6	14	15	.85	.73	.57	.82	1.2	1.2
CFSM	.09	3.31	3.31	5.73	7.00	5.16	.26	.15	1.32	.69	4.51	.06
IN.	.11	3.68	3.81	6.61	7.30	5.95	.30	.17	1.47	.80	5.21	.07
CAL YR 1986	TOTAL 15413.80		MEAN 42.2		MAX 1160		MIN .01		CFSM .94		IN. 12.74	
WTR YR 1987	TOTAL 42924.85		MEAN 118		MAX 2590		MIN .01		CFSM 2.62		IN. 35.48	

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	2.69	3.50	3.37	---	---	---	2.89	2.82	3.04	3.20	4.26
2	2.83	2.73	3.41	3.34	---	---	---	2.77	2.78	2.99	3.13	3.68
3	2.83	2.69	3.34	5.17	4.51	---	---	2.77	2.74	3.85	2.96	3.44
4	2.83	2.66	3.26	11.87	3.93	---	---	3.01	2.71	3.70	3.22	3.30
5	2.83	9.21	3.18	7.25	3.88	---	---	3.07	2.68	3.40	3.57	3.17
6	2.84	8.38	3.17	4.48	6.22	---	---	2.91	2.66	5.84	3.66	3.07
7	2.83	5.13	3.11	4.05	8.00	---	3.26	2.85	2.72	9.73	3.16	3.01
8	2.83	4.56	3.14	3.80	5.01	---	3.24	2.82	2.77	5.17	3.70	2.96
9	2.83	3.76	3.24	3.64	4.18	---	3.17	2.84	2.69	3.97	3.69	2.95
10	2.83	3.46	6.31	3.55	3.82	---	3.12	2.91	2.65	3.57	3.37	2.94
11	2.83	3.30	10.75	3.46	3.66	---	3.08	2.98	2.64	3.38	5.87	2.93
12	3.37	3.10	5.66	3.40	3.56	---	3.05	2.93	2.66	3.26	16.69	2.93
13	4.14	3.05	4.18	3.36	3.49	---	3.18	2.93	4.39	3.12	19.42	2.92
14	3.99	2.91	3.77	3.58	3.43	---	5.86	2.84	10.06	3.05	8.69	2.92
15	3.34	2.87	6.04	4.07	9.14	---	3.89	2.78	9.38	2.95	4.18	2.92
16	3.09	2.86	10.31	8.13	14.91	---	3.55	2.78	5.58	2.88	3.70	2.92
17	3.01	2.81	5.73	12.22	7.07	---	3.37	2.81	4.64	2.81	3.55	2.91
18	---	2.82	---	15.40	4.35	---	3.22	2.75	4.04	2.79	3.37	2.91
19	---	2.85	---	13.69	3.96	---	3.14	2.72	3.54	2.84	3.26	2.98
20	---	7.18	---	6.14	4.07	---	3.05	3.35	3.39	2.81	3.17	2.94
21	---	6.47	---	6.62	6.51	---	3.00	3.11	3.79	2.77	3.08	2.91
22	---	4.09	---	12.41	12.89	---	2.98	4.06	7.90	3.65	3.00	2.91
23	---	8.50	13.73	6.91	8.89	---	2.94	5.32	5.93	3.51	2.94	2.91
24	---	6.64	9.30	4.88	6.49	---	2.90	3.83	3.89	3.08	2.91	2.91
25	---	14.15	4.71	11.63	11.50	---	2.88	3.77	3.52	2.91	3.01	2.90
26	---	13.76	4.12	8.06	11.25	---	2.86	3.63	3.58	2.78	2.97	2.90
27	---	6.19	3.83	---	12.08	---	2.96	3.24	3.41	4.31	2.91	2.90
28	---	4.23	3.65	---	---	---	3.05	3.04	3.23	4.09	3.03	2.90
29	---	3.84	3.56	---	---	---	3.05	2.93	3.07	3.67	3.79	2.90
30	2.78	3.63	3.48	---	---	---	2.78	2.87	2.99	3.52	12.33	2.90
31	2.73	---	3.42	---	---	---	---	2.86	---	3.20	5.98	---
MAX	4.14	14.15	13.73	15.40	14.91	---	5.86	5.32	10.06	9.73	19.42	4.26
MIN	2.73	2.66	3.11	3.34	3.43	---	2.78	2.72	2.64	2.77	2.91	2.90

07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between lots 24 and 44, T.6 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--March 1944 to current year.

REVISED RECORDS.--WSP 1920: Drainage area. WRD LA 85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 23.85 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft higher. Prior to Oct. 1, 1978, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges: Feb. 10-12. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--43 years, 471 ft³/s, 22.52 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. 19	1200	10,000	19.46	Aug. 12	1700	*11,900	20.73
Jan. 19	1400	(a)	19.50	Aug. 12	1900	(a)	*20.83

^a Backwater from Amite River.

Minimum discharge, 49 ft³/s Nov. 4; minimum gage height, 0.46 ft Oct. 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	51	155	127	207	6650	264	137	136	302	434	247
2	75	51	134	118	359	2990	215	136	133	228	183	135
3	73	50	118	323	336	1360	236	138	131	224	134	104
4	72	50	108	2070	273	493	194	144	133	208	139	91
5	71	976	99	1060	222	316	182	159	130	208	621	84
6	70	1260	92	388	391	264	173	164	129	279	548	79
7	71	422	88	244	1260	271	167	144	127	228	562	75
8	72	256	86	185	671	1360	162	157	129	516	362	73
9	73	185	90	158	342	2010	158	176	125	303	202	70
10	71	120	343	152	236	1010	154	211	122	174	185	69
11	73	369	1880	135	204	423	152	251	121	143	4870	68
12	193	93	705	126	180	325	150	152	128	128	9510	68
13	390	71	294	115	166	291	166	149	222	120	5640	67
14	277	62	181	156	160	267	587	144	904	116	1090	67
15	124	59	404	196	1170	249	307	151	961	113	296	66
16	90	57	1700	865	4960	238	215	228	1230	111	200	69
17	70	57	911	3010	3350	460	168	170	444	110	165	67
18	61	56	686	7590	885	6830	157	144	854	108	141	67
19	58	53	2920	9020	339	5480	150	166	472	126	128	86
20	56	450	1140	5260	269	1880	147	164	322	145	119	109
21	55	521	392	2520	495	586	147	142	503	118	112	79
22	54	252	506	4610	4330	279	147	351	856	136	106	69
23	57	501	5260	2280	3840	512	145	643	562	200	102	66
24	73	333	3180	819	1850	5560	144	248	215	159	97	65
25	77	4310	1340	2490	3220	2990	144	636	271	118	110	65
26	93	5190	480	2040	3710	1180	142	572	338	151	108	65
27	73	2180	262	566	5960	357	140	270	193	214	92	66
28	58	858	204	355	6080	242	139	197	141	413	90	66
29	54	275	173	280	---	260	139	154	125	722	100	66
30	53	187	154	241	---	650	139	144	130	237	959	65
31	51	---	139	221	---	463	---	140	---	197	611	---
TOTAL	2813	19355	24224	47720	45465	46246	5530	6782	10287	6555	28016	2433
MEAN	90.7	645	781	1539	1624	1492	184	219	343	211	904	81.1
MAX	390	5190	5260	9020	6080	6830	587	643	1230	722	9510	247
MIN	51	50	86	115	160	238	139	136	121	108	90	65
CFSM	.32	2.27	2.75	5.42	5.72	5.25	.65	.77	1.21	.74	3.18	.29
IN.	.37	2.54	3.17	6.25	5.96	6.06	.72	.89	1.35	.86	3.67	.32

CAL YR 1986	TOTAL 108687	MEAN 298	MAX 5260	MIN 50	CFSM 1.05	IN. 14.24
WTR YR 1987	TOTAL 245426	MEAN 672	MAX 9510	MIN 50	CFSM 2.37	IN. 32.15

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.54	1.30	1.09	1.65	14.68	2.50	1.60	1.63	2.69	3.44	2.46
2	.52	.54	1.13	1.00	2.55	9.52	2.22	1.59	1.62	2.45	2.23	1.77
3	.50	.53	1.01	2.04	2.48	6.08	2.32	1.60	1.61	2.46	1.89	1.52
4	.49	.53	.92	7.69	2.10	3.26	2.07	1.65	1.63	2.37	1.93	1.40
5	.48	4.36	.85	5.19	1.77	2.36	1.98	1.75	1.62	2.35	4.13	1.33
6	.47	5.66	.79	2.76	2.65	2.04	1.91	1.79	1.62	2.72	3.85	1.28
7	.48	2.98	.76	1.91	5.86	2.08	1.87	1.63	1.62	2.48	3.88	1.24
8	.49	2.10	.73	1.52	4.01	5.81	1.82	1.73	1.65	3.77	3.15	1.22
9	.50	1.65	.77	1.33	2.51	7.59	1.78	1.86	1.62	2.87	2.35	1.19
10	.48	1.15	2.25	1.27	---	5.10	1.76	2.03	1.61	2.17	2.24	1.18
11	.50	2.45	7.33	1.14	---	2.95	1.74	2.28	1.61	1.96	10.36	1.16
12	1.39	.92	4.10	1.07	---	2.41	1.72	1.70	1.67	1.85	19.18	1.16
13	2.72	.72	2.23	.98	1.34	2.21	1.81	1.68	2.21	1.78	14.99	1.15
14	2.18	.65	1.50	1.30	1.28	2.06	3.81	1.63	4.92	1.75	5.24	1.15
15	1.19	.62	2.58	1.61	4.39	1.94	2.64	1.68	5.11	1.72	2.73	1.14
16	.89	.60	6.90	4.22	12.21	1.88	2.13	2.16	5.81	1.71	2.21	1.18
17	.72	.60	4.80	9.18	9.89	2.57	1.84	1.81	3.47	1.69	1.99	1.15
18	.64	.59	3.82	17.30	4.59	15.99	1.76	1.63	4.79	1.68	1.82	1.15
19	.61	.56	9.42	18.70	2.49	13.11	1.72	1.78	3.58	1.81	1.72	1.35
20	.59	3.10	5.42	12.81	2.07	7.20	1.69	1.77	2.97	1.96	1.64	1.56
21	.58	3.31	2.77	8.62	3.17	3.92	1.68	1.61	3.60	1.76	1.59	1.28
22	.57	2.06	2.96	12.24	11.49	2.65	1.68	2.44	4.53	1.89	1.54	1.18
23	.60	3.24	13.03	8.13	10.91	3.20	1.67	3.91	3.87	2.33	1.50	1.14
24	.74	2.42	9.77	4.54	7.23	13.46	1.66	2.26	2.42	2.07	1.46	1.13
25	.78	11.23	5.99	8.21	9.93	9.41	1.66	3.68	2.67	1.76	1.56	1.13
26	.92	12.87	3.20	7.48	10.78	5.59	1.64	3.63	3.05	1.94	1.55	1.13
27	.75	7.95	2.03	3.60	14.03	3.00	1.63	2.40	2.29	2.39	1.42	1.14
28	.61	4.57	1.66	2.59	13.87	2.42	1.62	2.00	1.94	3.05	1.39	1.14
29	.57	2.11	1.44	2.14	---	2.49	1.61	1.73	1.82	4.37	1.48	1.14
30	.56	1.54	1.29	1.89	---	4.07	1.61	1.67	1.85	2.51	4.81	1.13
31	.54	---	1.17	1.75	---	3.41	---	1.65	---	2.30	4.03	---
MAX	2.72	12.87	13.03	18.70	14.03	15.99	3.81	3.91	5.81	4.37	19.18	2.46
MIN	.47	.53	.73	.98	1.28	1.88	1.61	1.59	1.61	1.68	1.39	1.13

MISSISSIPPI RIVER DELTA

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07378050 COMITE RIVER AT GREENWELL SPRINGS ROAD, NEAR BATON ROUGE, LA

LOCATION.--Lat 30°30'20", long 90°02'24", on line between secs.51 and 52, T.6 S., R.2 E., East Baton Rouge Parish, Hydrologic Unit 08070202, at bridge on Greenwell Springs Road, 2.9 mi downstream from gaging station Comite River near Comite (station 07378000), 5.0 mi northeast of Baton Rouge city limits, and 9.4 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Annual maximum elevation, water years 1962-81. October 1981 to current year (elevations only).

GAGE.--Water-stage recorder. Datum is National Geodetic Vertical Datum of 1929. Nonrecording gage at same site and datum.

REMARKS.--No elevations recorded below lowest recordable elevation of 20.06 ft, Oct. 1-12, Oct. 15 to Nov. 4, Nov. 10, 12-20, Dec. 1-10, Dec. 31 to Jan. 3, Jan. 11-14, Feb. 13-15, Apr. 7-13, Apr. 17 to May 10, May 12-22, May 29 to June 13, June 28-30, July 5, 10-26, Aug. 2-3, 10-11.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 49.42 ft Apr. 7, 1983, from floodmark; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 39.15 ft Aug. 12; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					20.40	36.04	21.28			20.06	21.70	---
2					20.73	32.23	20.72			20.75	20.19	---
3					21.07	29.82	21.22			20.98		---
4				27.02	21.07	26.16	20.45			20.12		---
5		22.24		25.44	20.54	22.03	20.26				22.92	---
6		26.24		22.23	20.50	21.07	20.11			21.32	23.04	---
7		23.01		20.88	25.58	20.75				20.23	22.97	---
8		21.05		20.37	23.81	23.15				21.67	21.35	---
9		20.17		20.12	21.77	27.46				21.38	20.30	---
10				20.15	20.83	25.97						
11		27.22	27.03		20.43	22.81		21.06				---
12			24.23		20.18	21.36					37.06	---
13	21.48		21.55			20.87					37.56	---
14	22.00		20.33			20.60	22.82		24.12		27.17	---
15			20.20	20.56		20.41	21.16		24.10		21.35	---
16			25.85	21.53	31.96	20.29	20.46		27.76			---
17			24.79	26.66	30.27	20.20			22.54			---
18			22.05	36.78	26.20	35.00			22.85			---
19			29.37	37.65	22.21	34.83			21.77			---
20			26.33	35.12	20.88	30.16			21.48			---
21		23.15	22.98	30.50	21.37	26.90			20.97			---
22		21.27	20.97	33.09	30.96	23.33			21.25			---
23		21.86	32.60	29.77	31.69	21.15		23.46	22.86			---
24		21.21	31.41	26.74	28.74	33.05		20.77	20.63			---
25		28.18	28.56	25.90	30.17	30.95		20.90	20.14			---
26		34.11	26.06	28.94	30.67	27.98		23.92	20.83			---
27		29.45	22.57	24.49	35.01	24.33		20.16	20.36	20.77		---
28		27.58	20.60	22.14	31.94	21.52		20.16		20.23		---
29		23.91	20.30	21.29		20.95				23.78		---
30		20.37	20.12	20.87		22.31				20.17		---
31		---		20.57	---	22.72	---			20.93		---
MAX	22.00	29.45	32.60	37.65	35.01	36.04	22.82	23.92	27.76	23.78	37.56	---
MIN	---	---	---	---	---	20.20	---	---	---	---	---	---

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, 2.82 ft June 6, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 11.02 ft Aug. 12; minimum 2.84 ft Oct. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.94	2.89	3.34	---	---	6.25	3.31	2.92	3.00	5.00	3.13	3.23
2	3.12	2.90	3.23	---	---	5.42	3.16	2.91	2.97	4.32	3.07	3.03
3	3.19	2.92	3.13	---	---	3.78	3.60	2.91	2.99	3.60	3.06	2.96
4	2.98	2.94	3.08	---	---	3.45	3.31	2.93	2.96	3.77	3.13	2.93
5	2.93	5.36	3.04	---	3.37	3.29	3.13	2.96	2.96	3.76	4.20	2.91
6	2.92	3.68	3.03	---	4.56	3.17	3.13	3.02	2.96	4.74	4.12	2.90
7	2.91	4.46	3.01	---	4.37	3.10	3.02	3.05	2.94	4.23	3.80	2.89
8	2.90	3.74	3.02	---	3.68	3.41	2.98	2.96	2.97	4.44	3.72	2.89
9	2.92	3.46	3.03	---	3.36	4.67	2.96	2.94	2.96	4.13	3.18	2.88
10	2.92	3.30	4.00	---	3.20	4.04	2.95	3.01	2.97	3.59	3.61	2.88
11	2.91	5.21	5.42	---	3.20	3.52	2.94	3.26	2.97	3.25	7.82	2.89
12	3.79	3.76	3.90	---	3.24	3.28	2.94	3.06	3.20	3.12	10.81	2.93
13	5.02	3.36	3.51	---	3.16	3.17	3.28	3.00	3.64	3.07	7.17	2.90
14	4.36	3.15	3.31	---	3.09	3.09	5.78	2.99	4.10	3.03	4.29	2.95
15	3.39	3.06	4.81	---	3.05	3.06	3.62	2.95	3.44	3.01	3.67	2.91
16	3.12	3.01	5.04	---	3.03	3.08	3.24	3.04	4.68	3.12	3.39	2.88
17	3.01	2.99	4.01	---	5.89	3.13	3.09	3.10	3.80	3.61	3.24	2.89
18	2.95	2.99	5.09	---	4.27	6.13	3.04	2.94	3.44	3.16	3.15	3.13
19	2.92	2.98	5.67	---	3.57	6.18	2.99	2.92	4.12	3.05	3.07	3.67
20	2.90	5.16	4.02	---	3.32	3.74	2.96	2.91	4.79	3.02	3.04	3.04
21	2.89	4.19	3.62	---	3.19	3.38	2.95	2.89	5.07	3.13	3.04	2.95
22	2.89	3.54	4.63	---	3.70	3.24	2.95	3.45	4.47	3.45	3.03	2.91
23	2.93	3.31	8.23	---	5.43	3.11	2.94	5.08	3.64	3.36	3.01	2.89
24	3.19	5.25	4.35	---	5.74	7.25	2.93	4.41	3.63	3.11	2.99	2.88
25	3.08	10.28	3.76	---	3.98	4.57	2.93	5.71	3.84	3.04	2.93	2.88
26	2.97	5.73	3.52	---	6.18	3.59	2.92	5.71	3.33	3.07	3.27	2.88
27	2.93	4.02	3.37	---	5.38	3.34	2.93	3.75	3.18	3.71	3.44	2.88
28	2.90	3.78	3.30	---	7.93	3.28	2.92	3.34	3.07	3.48	3.02	2.88
29	2.89	3.57	3.20	---	---	3.29	2.91	3.18	3.04	3.95	3.10	2.88
30	2.87	3.44	3.12	---	---	4.49	2.92	3.07	3.22	3.56	3.09	2.87
31	2.88	---	3.07	---	---	3.63	---	3.02	---	3.39	3.54	---
MAX	5.02	10.28	8.23	---	7.93	7.25	5.78	5.71	5.07	5.00	10.81	3.67
MIN	2.87	2.89	3.01	---	3.03	3.06	2.91	2.89	2.94	3.01	2.93	2.87

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", In lot 2, T.7 S., R.2 E., St. Helena meridian, East Baton Rouge--Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--No estimated daily discharge. Records good. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 2,033 ft³/s, 21.57 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)
Nov. 27	0230	16,400	26.99	Mar. 2	0730	29,300	29.85
Dec. 24	2230	15,300	26.66	Mar. 19	1800	22,000	28.40
Jan. 20	0230	*31,300	*30.21	Mar. 25	1500	14,400	26.34
Feb. 17	1500	12,200	25.45	Aug. 13	0830	19,000	27.68

Minimum discharge, 371 ft³/s Oct. 7, 8, elevation, 10.26 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	461	394	1810	1480	1860	26500	2970	697	747	1710	1000	1640
2	435	394	1520	1360	1930	28400	2210	677	702	1450	778	1020
3	431	393	1320	1780	2420	19600	2030	672	668	1150	634	761
4	396	390	1190	5030	2410	9820	1730	670	647	943	749	665
5	392	1600	1090	6110	2020	4690	1580	705	625	839	1510	616
6	379	3630	1010	4730	2240	2920	1450	756	603	1180	1860	575
7	372	2580	956	2770	4450	2550	1340	906	591	1010	1190	554
8	375	1450	917	2020	5320	4240	1260	917	588	1410	1310	535
9	387	1150	888	1700	3950	7470	1200	796	569	1250	1230	519
10	385	930	1160	1550	2620	7750	1140	781	557	863	1100	512
11	414	3400	4960	1400	1990	5230	1090	1000	549	738	4050	542
12	749	1160	6260	1320	1690	3090	1050	713	571	673	14000	615
13	1700	670	4060	1230	1520	2420	1050	733	2320	634	17700	539
14	1630	584	2210	1310	1410	2110	2500	752	4420	606	9190	513
15	906	553	2140	1490	2560	1910	3300	783	4690	586	2450	503
16	694	536	4580	2580	7970	1770	2090	1740	4910	613	1110	495
17	541	533	5640	5760	11800	1980	1520	2430	4410	755	918	516
18	475	531	4410	14600	9890	10200	1230	1760	4610	574	820	563
19	446	518	6820	26600	5170	20100	1100	1320	3670	589	761	820
20	432	1560	7990	29900	2570	18600	1020	1090	2580	704	726	842
21	422	2590	5670	24200	2560	12000	958	869	2930	744	697	684
22	409	2210	3380	19000	7670	6100	916	1050	3040	661	670	596
23	421	1620	9130	15000	13900	3360	878	2020	3480	675	644	522
24	497	1870	14200	11200	14000	9590	842	1540	2090	674	624	490
25	504	7470	14400	7700	12400	13900	817	1810	1670	567	621	473
26	531	14400	10600	9640	14100	12300	790	2540	1590	638	659	463
27	540	16100	5640	7530	19500	7090	764	2740	1270	1050	630	458
28	464	13200	2750	4550	22300	3400	744	2360	951	792	622	453
29	426	6910	2130	2880	---	2700	727	1200	842	1600	708	450
30	410	2690	1830	2390	---	3250	713	923	811	1150	1370	447
31	401	---	1630	2080	---	3830	---	810	---	1450	2330	---
TOTAL	17025	92016	132291	220890	182220	258870	41009	37760	57701	28278	72661	18381
MEAN	549	3067	4267	7125	6508	8351	1367	1218	1923	912	2344	613
MAX	1700	16100	14400	29900	22300	28400	3300	2740	4910	1710	17700	1640
MIN	372	390	888	1230	1410	1770	713	670	549	567	621	447
CFSM	.43	2.40	3.33	5.57	5.08	6.52	1.07	.95	1.50	.71	1.83	.48
IN.	.49	2.67	3.84	6.42	5.30	7.52	1.19	1.10	1.68	.82	2.11	.53
CAL YR 1986	TOTAL	575724	MEAN	1577	MAX	16100	MIN	372	CFSM	1.23	IN.	16.73
WTR YR 1987	TOTAL	1159102	MEAN	3176	MAX	29900	MIN	372	CFSM	2.48	IN.	33.69

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--CONTINUED

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.54	10.34	13.84	13.15	13.95	29.32	16.37	11.67	11.86	14.18	12.60	14.12
2	10.46	10.34	13.22	12.88	14.10	29.68	15.02	11.62	11.72	13.65	11.95	12.63
3	10.45	10.33	12.79	13.70	15.08	27.78	14.68	11.60	11.62	12.97	11.51	11.90
4	10.34	10.33	12.49	19.47	15.06	23.99	14.13	11.60	11.55	12.44	11.85	11.61
5	10.33	13.02	12.26	20.93	14.28	18.93	13.81	11.73	11.48	12.13	13.83	11.45
6	10.29	16.71	12.08	19.03	14.70	16.04	13.50	11.88	11.41	13.06	14.57	11.32
7	10.26	14.94	11.94	15.76	18.59	15.34	13.26	12.33	11.38	12.64	13.08	11.26
8	10.27	12.82	11.85	14.28	19.88	18.19	13.08	12.36	11.37	13.61	13.38	11.20
9	10.32	12.20	11.78	13.61	17.86	22.43	12.93	12.01	11.31	13.22	13.20	11.14
10	10.31	11.73	12.39	13.30	15.46	22.71	12.79	11.96	11.27	12.20	12.86	11.12
11	10.40	16.21	19.31	12.96	14.23	19.72	12.67	12.57	11.24	11.83	17.36	11.22
12	11.25	12.20	21.09	12.78	13.59	16.36	12.57	11.76	11.31	11.63	26.13	11.45
13	13.32	11.12	17.97	12.58	13.23	15.08	12.57	11.82	15.41	11.51	27.35	11.21
14	13.16	10.90	14.67	12.75	13.00	14.47	15.51	11.87	19.44	11.42	23.51	11.13
15	11.68	10.81	14.50	13.15	15.15	14.06	16.93	11.97	19.80	11.36	15.75	11.09
16	11.18	10.76	18.80	15.29	22.67	13.76	14.79	14.31	20.07	11.45	12.89	11.07
17	10.77	10.75	20.31	20.35	25.27	14.14	13.67	15.81	19.42	11.88	12.36	11.13
18	10.58	10.74	18.59	26.23	24.17	24.01	13.01	14.37	19.70	11.32	12.08	11.28
19	10.49	10.71	21.69	29.32	19.55	27.93	12.69	13.39	18.19	11.37	11.90	12.08
20	10.45	12.82	22.95	29.96	15.37	27.55	12.49	12.82	16.11	11.73	11.80	12.14
21	10.42	14.96	20.29	28.87	15.35	25.27	12.34	12.22	16.77	11.85	11.70	11.67
22	10.38	14.27	16.88	27.67	22.20	20.74	12.23	12.62	17.00	11.59	11.62	11.39
23	10.42	13.16	23.49	26.54	26.16	16.81	12.14	14.92	17.85	11.64	11.54	11.15
24	10.64	13.62	26.27	24.90	26.18	23.86	12.05	13.90	15.10	11.63	11.48	11.05
25	10.66	21.65	26.33	22.65	25.54	26.18	11.98	14.45	14.18	11.30	11.47	10.99
26	10.74	26.32	24.60	24.09	26.21	25.48	11.91	15.98	14.01	11.50	11.59	10.95
27	10.77	26.90	20.18	22.43	27.81	21.85	11.85	16.41	13.27	12.65	11.50	10.92
28	10.54	25.83	15.71	18.74	28.47	17.06	11.80	15.64	12.46	11.98	11.47	10.90
29	10.43	21.56	14.50	15.98	---	15.89	11.75	13.11	12.14	14.01	11.74	10.89
30	10.38	15.58	13.89	15.03	---	16.85	11.71	12.38	12.05	12.82	13.35	10.88
31	10.36	---	13.47	14.40	---	17.81	---	12.05	---	13.57	15.60	---
MAX	13.32	26.90	26.33	29.96	28.47	29.68	16.93	16.41	20.07	14.18	27.35	14.12
MIN	10.26	10.33	11.78	12.58	13.00	13.76	11.71	11.60	11.24	11.30	11.47	10.88

MISSISSIPPI RIVER DELTA

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07380108 BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT, LA

LOCATION.--Lat 30°20'43", long 90°53'35", In lot 18, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, on right bank 100 ft upstream from mouth, 2.6 mi northwest of Port Vincent, and 5.0 mi downstream from Clay Cut Bayou.

DRAINAGE AREA.--153 mi².

PERIOD OF RECORD.--Annual maximum elevation, water years 1972-74, October 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1974 at datum 1.00 ft higher.

REMARKS.--No elevations recorded below lowest recordable elevation of 1.32 ft, Apr. 13, Apr. 19 to May 3, May 7-9, 14-16, Aug. 17-25, 28-30, Sept. 8-17, 25-28. Elevations affected by tide below about 3.0 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 18.85 ft Apr. 8, 1983, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 10.07 ft Mar. 3, minimum not determined.

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.03	1.88	2.65	1.56	1.35	9.33	1.35		1.97	2.04	1.38	1.79
2	1.95	2.05	2.37	---	1.35	9.82	1.34		1.80	2.21	1.37	1.71
3	2.13	1.86	1.82	---	1.35	10.03	1.34		1.77	1.58	1.37	1.61
4	2.05	1.77	---	2.72	1.49	8.73	1.33	1.50	1.81	1.39	---	1.55
5	1.70	1.99	---	2.89	1.82	6.21	1.33	1.62	1.71	1.38	1.34	1.61
6	1.50	1.99	---	2.63	2.33	3.52	1.32	1.32	1.68	1.39	1.66	1.74
7	1.67	2.02	1.51	1.76	2.75	2.69	1.32		2.01	1.67	1.34	1.76
8	1.80	1.97	1.63	---	2.82	2.81	1.32		2.34	1.88	1.55	1.53
9	1.89	1.84	1.68	---	2.31	3.11	1.32		2.50	2.15	1.60	
10	1.92	1.80	1.66	---	1.51	3.30	1.34	1.38	2.38	1.90	1.72	
11	1.99	4.38	2.38	---	1.35	3.22	1.33	1.89	2.33	1.81	1.42	
12	2.32	2.99	2.65	---	1.35	2.15	1.33	1.43	2.28	1.55	3.46	
13	2.38	2.14	2.46	---	1.34	1.71		1.34	2.25	1.53	5.78	
14	2.41	1.75	1.84	---	1.34	1.36	2.08		3.13	1.39	6.25	
15	1.92	1.71	1.77	---	1.34	1.44	1.80		3.25	1.37	4.51	
16	1.71	1.73	2.52	---	2.83	1.72	1.32		4.15	1.37	1.40	
17	1.70	1.75	2.89	2.51	3.24	2.28	1.32	1.63	3.45	1.39		
18	1.67	1.74	2.82	4.73	3.74	3.77	1.32	1.78	3.04	1.39		1.33
19	1.73	1.65	2.78	5.65	3.53	4.59		1.64	2.66	1.57		1.33
20	2.19	1.67	3.14	8.07	2.18	6.63		1.65	2.31	1.96		1.44
21	2.06	1.94	3.16	9.20	2.15	7.11		1.67	1.92	2.57		1.48
22	1.95	1.97	2.36	9.75	3.16	5.85		1.54	2.55	2.65		1.61
23	1.99	2.04	4.45	8.49	3.84	3.74		1.85	2.47	2.40		1.48
24	2.15	2.08	4.79	7.15	4.85	4.26		1.94	2.11	2.27		1.51
25	2.11	3.46	5.37	5.75	5.80	4.66		1.85	2.09	2.14		
26	1.79	4.64	5.63	4.14	5.90	5.46		2.49	1.70	1.94	1.32	
27	1.72	5.16	4.81	3.63	7.79	5.43		2.32	1.69	1.89	1.41	
28	1.65	5.85	2.93	2.84	8.64	4.04		2.62	1.79	1.67		
29	1.72	5.57	1.95	1.54	---	2.71		2.33	1.95	1.44		1.49
30	1.49	3.98	1.68	---	---	2.67		2.28	2.07	1.39		1.38
31	1.65	---	1.56	1.36	---	1.98	---	2.08	---	1.62	1.63	---
MAX	2.41	5.85	5.63	9.75	8.64	10.03	2.08	2.62	4.15	2.65	6.25	1.79
MIN	1.49	1.65	---	---	1.34	1.36	---	---	1.68	1.37	---	---

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.--Estimated daily discharges, Jan. 2-28. Records fair. No elevation record Jan. 2-28. No velocity record Jan. 2-28.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 14.65 ft Apr. 9, 1983; minimum elevation, -1.04 ft Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,200 ft³/s Nov. 1, 1985, elevation, 9.18 ft; minimum discharge recorded, 85 ft³/s Sept. 2, 1986; minimum daily elevation, -0.14 ft Jan. 28, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 30,000 ft³/s Jan. 20; elevation, not determined; minimum daily discharge, 0.76 ft³/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	744	205	2600	1770	2770	25800	3010	1050	1020	2790	1080	1760
2	566	311	2680	1600	2730	28400	2150	921	911	3410	1050	1040
3	484	414	2500	2100	2850	27900	2020	885	846	1960	799	518
4	561	174	2010	5500	2870	22100	1810	917	837	1430	1120	573
5	589	1670	1550	6200	2520	12800	1570	1270	935	1120	2510	585
6	423	2330	1210	4500	3020	5560	1320	980	677	1560	3540	623
7	323	2380	1120	3000	4500	3520	1180	1150	808	1440	2290	724
8	459	1460	1070	2400	5430	4210	1160	1100	546	1890	2100	776
9	411	1060	1150	1800	4610	6030	1160	894	534	2430	1430	678
10	389	935	1620	1600	2870	6950	943	790	631	1390	1480	496
11	.76	7650	4510	1400	1850	6840	775	1460	620	1040	3590	532
12	853	5190	5480	1300	1540	4600	833	1000	642	1140	11500	664
13	2450	1940	5090	1200	1290	3430	764	1010	1970	1080	16300	582
14	2450	1260	2530	1400	1090	2900	2530	1040	7310	1010	17200	419
15	904	793	2430	1600	2880	2410	3000	1070	6480	775	10400	577
16	747	468	4910	3000	4940	2050	2010	1230	9100	826	3090	838
17	452	445	5770	6000	6410	2040	1510	1710	7540	1100	1700	864
18	397	644	5510	14000	8240	6870	1240	1600	6470	767	1180	821
19	48	813	6020	25000	7390	9320	1090	1270	5760	501	990	1050
20	188	2130	6930	30000	3620	17000	1240	1120	4730	1000	964	1460
21	153	3200	6860	27000	2550	18200	1270	998	4140	1130	954	692
22	149	2230	4530	24000	5870	13100	1170	1040	5100	1130	818	800
23	179	1420	8010	20000	8260	6490	1010	2600	4100	915	801	664
24	485	2290	7740	13000	11700	8560	976	1880	3070	962	703	667
25	640	8600	9830	10000	13500	9570	835	1720	3140	1000	563	526
26	589	7930	11100	11000	13600	11800	936	3220	2440	1240	539	441
27	651	10800	8750	8400	18900	11100	904	2260	2430	2060	457	272
28	486	11400	4450	6000	22400	6480	947	2630	1740	1120	472	310
29	502	10600	2370	4280	---	3260	813	1480	1570	1790	516	538
30	370	5990	2030	3290	---	4150	1100	1090	1510	1170	669	562
31	289	---	1800	2890	---	3950	---	1080	---	2040	2570	---
TOTAL	17931.76	96732	134160	245230	170200	297390	41276	42465	87607	43216	93375	21052
MEAN	578	3224	4328	7911	6079	9593	1376	1370	2920	1394	3012	702
MAX	2450	11400	11100	30000	22400	28400	3010	3220	9100	3410	17200	1760
MIN	.76	174	1070	1200	1090	2040	764	790	534	501	457	272
CAL YR 1986	TOTAL 632322.76		MEAN 1732		MAX 12000		MIN .76					
WTR YR 1987	TOTAL 1290575.76		MEAN 3536		MAX 30000		MIN .76					

MISSISSIPPI RIVER DELTA

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07380120 AMITE RIVER AT PORT VINCENT, LA--CONTINUED
 ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.08	2.00	2.60	1.59	1.07	7.10	.89	.52	1.89	1.91	.87	1.80
2	2.02	2.13	2.24	---	1.12	7.41	.82	.64	1.72	1.79	.69	1.76
3	2.15	2.00	1.68	---	1.09	7.34	.64	1.09	1.71	1.43	.85	1.68
4	2.03	2.01	1.51	---	1.30	6.22	.58	1.47	1.70	1.22	1.08	1.66
5	1.71	2.06	1.57	---	1.81	4.51	.55	1.42	1.67	1.24	1.28	1.85
6	1.59	1.98	1.59	---	2.38	2.99	.45	1.22	1.76	1.51	1.36	1.95
7	1.79	1.97	1.67	---	2.52	2.53	.47	1.13	2.15	1.81	1.35	1.84
8	2.01	1.91	1.80	---	2.29	2.63	.64	1.03	2.43	1.94	1.48	1.50
9	2.09	1.86	1.76	---	1.64	2.58	.46	1.01	2.53	1.97	1.54	1.05
10	2.08	1.84	1.62	---	1.20	2.43	.29	1.57	2.42	1.82	1.54	.99
11	2.20	2.92	2.10	---	1.07	2.22	.32	1.80	2.33	1.73	1.55	1.19
12	2.40	2.50	2.10	---	.93	1.61	.75	1.45	2.28	1.63	2.89	1.25
13	2.40	1.93	1.80	---	.78	1.49	1.50	1.35	2.30	1.41	4.05	1.09
14	2.23	1.79	1.68	---	.87	1.19	2.00	1.18	2.69	1.12	4.09	1.05
15	1.88	1.79	1.86	---	1.59	1.42	1.33	.95	2.61	1.11	2.77	1.10
16	1.74	1.83	2.28	---	2.31	1.82	.45	1.10	2.89	1.32	1.33	1.18
17	1.73	1.80	2.42	---	2.33	2.45	.41	1.47	2.76	1.53	.99	1.38
18	1.71	1.67	2.27	---	2.27	3.35	.56	1.56	2.44	1.46	.81	1.45
19	1.89	1.68	2.30	---	2.05	3.77	.74	1.50	2.07	1.84	.81	1.43
20	2.29	1.83	2.41	---	1.83	4.62	.89	1.56	1.87	2.21	.97	1.52
21	2.20	1.95	2.29	---	2.16	4.82	.60	1.60	1.80	2.66	1.00	1.72
22	2.13	1.98	2.21	---	2.77	4.06	.36	1.49	2.05	2.65	1.09	1.70
23	2.19	2.07	3.52	---	3.00	3.12	.37	1.65	2.10	2.41	1.24	1.63
24	2.30	2.17	3.86	---	3.42	3.57	.26	1.85	1.91	2.22	1.25	1.66
25	2.14	3.18	4.00	---	3.92	3.79	.49	1.92	1.84	2.06	1.35	1.43
26	1.90	3.61	3.86	---	4.33	4.02	.63	2.22	1.53	1.90	1.57	1.45
27	1.85	3.76	3.28	---	5.75	3.89	.76	2.30	1.53	1.84	1.47	1.53
28	1.82	3.95	2.30	---	6.64	3.14	.42	2.40	1.71	1.48	1.26	1.62
29	1.74	3.80	1.83	.97	---	2.57	.47	2.27	1.90	1.31	1.35	1.69
30	1.57	3.10	1.61	.91	---	2.29	.61	2.20	1.96	1.27	1.58	1.53
31	1.76	---	1.66	.90	---	1.47	---	2.04	---	1.36	1.84	---
MAX	2.40	3.95	4.00	---	6.64	7.41	2.00	2.40	2.89	2.66	4.09	1.95
MIN	1.57	1.67	1.51	---	.78	1.19	.26	.52	1.53	1.11	.69	.99

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 1986 TO SEPTEMBER 1987

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/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 28...	0930	486	131	7.20	20.0	30	14	6.5	1.2	340	K70
JAN 07...	1030	3000	88	6.80	—	80	4.6	9.6	2.3	1800	1800
MAY 13...	1415	1010	128	6.81	26.5	60	37	5.1	2.4	250	340
JUL 15...	1015	775	109	7.39	29.0	50	14	5.1	1.8	110	620

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 28...	23	5.7	2.0	16	2.0	32	6.7	16	<0.1	13	86
JAN 07...	22	5.8	1.9	6.8	2.5	20	5.4	10	<0.1	8.7	68
MAY 13...	27	7.3	2.2	13	2.4	29	11	14	0.1	9.4	94
JUL 15...	26	7.0	2.1	9.8	2.4	30	10	10	0.4	7.6	66

DATE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)
OCT 28...	82	0.37	0.08	0.08	0.7	0.37	0.15	0.15	50	1	31
JAN 07...	54	0.26	0.13	0.12	1.1	0.12	0.08	0.08	170	<1	43
MAY 13...	79	0.52	0.34	0.34	1.0	0.29	0.18	0.16	90	2	42
JUL 15...	68	<0.10	0.17	0.18	1.5	0.27	0.17	0.14	70	2	33

< 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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07380120 AMITE RIVER AT PORT VINCENT, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 28...	<0.5	<1	<1	<3	5	170	<5	<4	53	0.1
JAN 07...	<0.5	<1	<1	<3	3	260	<5	<4	62	0.2
MAY 13...	<0.5	<1	<1	<3	4	130	<5	5	85	<0.1
JUL 15...	<0.5	2	<1	<3	9	330	<5	<4	180	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 28...	<10	5	<1	<1	42	<6	9	35	46	98
JAN 07...	<10	2	<1	<1	36	<6	15	67	543	99
MAY 13...	<10	<1	<1	<1	52	<6	8	45	123	98
JUL 15...	<10	5	<1	<1	48	<6	20	28	59	98

< 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 lot 117, T.15 S., R.16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

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 Baton Rouge district office.

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 estimated daily discharge. Records good. 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 980 ft³/s June 13, elevation 6.98 ft; minimum discharge, 48 ft³/s Sept. 24; minimum elevation, 4.85 ft Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	151	155	161	90	326	155	236	99	248	108	104
2	163	150	141	176	107	189	155	228	102	322	106	87
3	161	123	111	202	101	159	159	211	99	210	92	76
4	161	130	112	231	89	158	139	211	97	138	96	71
5	169	161	132	190	93	147	126	242	100	109	102	75
6	170	161	167	171	105	157	141	217	91	105	113	78
7	168	160	190	146	116	174	175	182	109	110	175	82
8	168	164	203	110	104	182	187	155	124	165	196	76
9	166	173	192	120	97	159	198	171	118	141	218	68
10	164	173	156	143	101	151	197	180	101	108	282	64
11	165	226	184	139	97	149	197	144	123	130	195	67
12	206	204	180	119	131	138	207	119	131	137	153	81
13	228	183	180	119	173	137	251	110	395	119	126	88
14	187	179	178	171	189	142	382	114	867	116	93	74
15	118	188	229	184	222	152	221	116	529	103	117	62
16	100	190	388	223	232	156	147	147	307	93	128	57
17	101	177	234	240	205	154	140	125	254	87	120	68
18	110	182	184	250	198	246	158	116	347	87	112	88
19	123	192	192	178	194	245	159	106	257	90	111	101
20	139	198	204	133	194	232	167	106	173	94	115	90
21	172	205	221	251	208	233	180	105	176	110	115	85
22	191	206	340	427	328	233	178	106	172	127	92	74
23	205	216	562	242	253	262	179	128	140	130	88	58
24	248	230	329	156	180	364	184	123	114	106	88	54
25	244	487	219	229	150	250	209	177	116	101	88	61
26	228	330	216	151	178	199	230	407	117	130	89	69
27	216	184	224	111	593	186	239	250	101	156	89	73
28	208	145	222	96	537	177	201	159	95	167	88	76
29	203	105	216	85	---	246	176	114	110	133	99	72
30	190	130	188	89	---	275	211	100	131	119	109	66
31	152	---	156	87	---	194	---	97	---	127	116	---
TOTAL	5391	5703	6605	5330	5265	6172	5648	5002	5695	4118	3819	2245
MEAN	174	190	213	172	188	199	188	161	190	133	123	74.8
MAX	248	487	562	427	593	364	382	407	867	322	282	104
MIN	100	105	111	85	89	137	126	97	91	87	88	54
CAL YR 1986	TOTAL 71363		MEAN 196		MAX 562		MIN 98					
WTR YR 1987	TOTAL 60993		MEAN 167		MAX 867		MIN 54					

MISSISSIPPI RIVER DELTA

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07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--CONTINUED

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.32	5.27	5.25	5.26	5.03	5.69	5.18	5.42	5.00	5.43	5.03	5.04
2	5.31	5.27	5.20	5.31	5.09	5.34	5.19	5.40	5.01	5.63	5.03	4.98
3	5.30	5.18	5.10	5.38	5.07	5.25	5.20	5.35	5.00	5.34	4.97	4.93
4	5.30	5.21	5.11	5.46	5.02	5.24	5.13	5.35	4.99	5.13	4.99	4.92
5	5.33	5.30	5.17	5.35	5.04	5.21	5.09	5.43	5.00	5.04	5.01	4.94
6	5.33	5.30	5.28	5.29	5.08	5.24	5.14	5.36	4.97	5.02	5.05	4.95
7	5.32	5.30	5.35	5.22	5.12	5.29	5.24	5.26	5.03	5.04	5.24	4.97
8	5.32	5.31	5.38	5.10	5.08	5.31	5.28	5.19	5.09	5.21	5.31	4.94
9	5.32	5.34	5.35	5.13	5.05	5.25	5.31	5.23	5.07	5.14	5.36	4.92
10	5.31	5.34	5.25	5.21	5.07	5.22	5.31	5.26	5.01	5.03	5.54	4.90
11	5.32	5.49	5.33	5.19	5.05	5.22	5.31	5.15	5.08	5.11	5.30	4.92
12	5.43	5.43	5.32	5.13	5.17	5.18	5.34	5.07	5.11	5.13	5.18	4.97
13	5.49	5.37	5.32	5.13	5.30	5.18	5.45	5.04	5.71	5.07	5.09	5.01
14	5.38	5.36	5.31	5.29	5.35	5.19	5.77	5.05	6.77	5.06	4.98	4.96
15	5.17	5.38	5.45	5.33	5.44	5.23	5.37	5.06	6.09	5.02	5.06	4.91
16	5.10	5.39	5.85	5.43	5.46	5.24	5.16	5.16	5.60	4.98	5.10	4.88
17	5.11	5.35	5.47	5.49	5.39	5.23	5.14	5.09	5.46	4.96	5.07	4.93
18	5.14	5.36	5.33	5.51	5.37	5.49	5.19	5.06	5.69	4.96	5.05	5.02
19	5.18	5.39	5.35	5.31	5.36	5.49	5.20	5.03	5.47	4.97	5.04	5.07
20	5.24	5.41	5.39	5.18	5.36	5.46	5.22	5.02	5.24	4.98	5.06	5.03
21	5.33	5.43	5.44	5.48	5.40	5.46	5.26	5.02	5.25	5.04	5.06	5.01
22	5.39	5.43	5.72	5.93	5.70	5.46	5.25	5.03	5.23	5.10	4.98	4.98
23	5.43	5.46	6.23	5.49	5.52	5.53	5.26	5.10	5.14	5.11	4.96	4.91
24	5.55	5.50	5.71	5.25	5.32	5.73	5.27	5.08	5.05	5.03	4.96	4.89
25	5.54	6.09	5.43	5.46	5.23	5.45	5.34	5.23	5.06	5.01	4.96	4.92
26	5.49	5.71	5.42	5.23	5.31	5.31	5.40	5.83	5.06	5.11	4.97	4.96
27	5.46	5.33	5.44	5.10	6.27	5.28	5.43	5.45	5.01	5.18	4.97	4.98
28	5.44	5.21	5.44	5.05	6.16	5.25	5.32	5.19	4.99	5.22	4.97	5.00
29	5.43	5.08	5.42	5.01	---	5.43	5.25	5.05	5.03	5.12	5.01	4.98
30	5.39	5.17	5.34	5.03	---	5.52	5.35	5.00	5.11	5.07	5.05	4.95
31	5.28	---	5.25	5.02	---	5.30	---	4.99	---	5.10	5.08	---
MAX	5.55	6.09	6.23	5.93	6.27	5.73	5.77	5.83	6.77	5.63	5.54	5.07
MIN	5.10	5.08	5.10	5.01	5.02	5.18	5.09	4.99	4.97	4.96	4.96	4.88

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 current year (daily discharges below 6.0 ft stage only).

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

REMARKS.--No estimated daily discharges. Records poor. Flow occasionally reversed as a result of tide and wind effect.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.89 ft Oct. 28, 1985; minimum discharge -1,470 ft³/s Oct. 28, 1985; minimum gage height (recorded) 2.96 ft Feb. 14, 1985 (present datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,230 ft³/s Mar. 29; maximum gage height, 5.55 ft Mar. 23; minimum discharge, -828 ft³/s Nov. 25; minimum gage height, 3.05 ft Jan. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	114	230	54	-207	64	-197	-63	-22	-200	-74	-46
2	32	198	249	27	-197	41	-212	-65	-62	-267	-264	31
3	23	133	248	-6	-247	16	-180	59	-88	-261	-187	4
4	138	129	191	-3	-170	1	-172	85	-60	-250	-106	-2
5	174	258	186	35	-169	11	-179	66	-82	-256	-88	-14
6	233	194	149	-121	-146	-0	-218	6	-62	-248	-161	-25
7	248	161	140	-140	-125	-68	-269	-45	-64	-270	-90	67
8	146	170	86	-149	-161	-3	-201	-26	-101	-264	-101	73
9	131	226	227	-157	-154	-7	-96	-80	-53	-249	-36	27
10	206	179	257	-189	-156	-73	-76	-84	-44	-234	75	-28
11	133	179	197	-170	-231	-94	-90	-94	18	-250	29	-21
12	233	355	221	-150	-202	-73	-116	-87	62	-239	-60	-45
13	272	376	168	-184	-158	-47	-37	-84	79	-248	-81	-81
14	418	220	180	-219	-181	-174	80	-56	-94	-238	-62	-78
15	271	209	166	-108	-15	-107	-55	-65	-124	-230	-88	-104
16	237	156	171	-198	86	-49	-128	-68	-152	-232	-115	-77
17	123	168	117	-253	-15	-109	-111	-71	-213	-241	-123	-3
18	184	255	91	30	-75	-16	-86	-69	-236	-248	-148	3
19	148	170	116	-187	-66	33	-102	-88	-225	-250	-111	-37
20	150	293	109	-172	-25	36	-73	-106	-313	-103	-146	-49
21	120	210	90	-212	17	83	-117	-111	-336	22	-145	-120
22	78	64	95	-250	205	-7	-220	-163	-296	82	-197	-96
23	26	235	230	-243	-103	1	-241	-183	-296	-31	-127	-122
24	84	177	258	-285	-148	175	-240	-134	-293	-1	-4	-73
25	215	150	168	-264	-59	201	-183	-190	-295	-34	10	-53
26	196	343	132	-245	-28	164	-180	-177	-269	-88	92	-37
27	221	411	112	-230	97	268	-75	-120	-258	-112	71	-50
28	221	446	108	-211	121	111	-66	-85	-246	-145	11	-32
29	225	175	46	-127	---	185	-85	-49	-194	-165	-7	-18
30	107	214	104	-51	---	-158	-68	-7	-103	-181	-3	-48
31	138	---	67	-80	---	-136	---	-34	---	-161	14	---
TOTAL	5266	6568	4909	-4458	-2512	270	-3993	-2188	-4422	-5592	-2222	-1054
MEAN	170	219	158	-144	-89.7	8.70	-133	-70.6	-147	-180	-71.7	-35.1
MAX	418	446	258	54	205	268	80	85	79	82	92	73
MIN	23	64	46	-285	-247	-174	-269	-190	-336	-270	-264	-122
WTR YR 1987	TOTAL	-9429	MEAN	-25.8	MAX	446	MIN	-336				

MISSISSIPPI RIVER DELTA

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07381324 BAYOU GRAND CAILLOU AT DULAC, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.81	4.55	4.66	4.13	3.99	4.22	4.00	3.75	4.44	4.38	4.01	4.12
2	4.85	4.52	4.43	4.08	4.00	3.95	4.02	4.00	4.38	4.38	3.99	4.19
3	4.96	4.58	4.13	4.36	3.86	3.88	3.63	4.27	4.36	4.33	4.02	4.22
4	4.83	4.74	4.18	3.90	4.09	3.72	3.68	4.30	4.26	4.20	4.07	4.27
5	4.71	4.77	4.03	3.91	4.05	3.85	3.61	4.17	4.06	4.23	4.15	4.42
6	4.64	4.62	4.05	3.93	4.08	3.96	3.65	4.03	4.10	4.38	4.18	4.50
7	4.58	4.70	4.03	3.85	3.83	4.11	3.72	3.97	4.49	4.41	4.21	4.42
8	4.70	4.65	4.20	3.90	3.57	4.19	3.70	3.85	4.74	4.55	4.26	4.29
9	4.81	4.57	4.29	4.14	3.42	4.00	3.57	3.90	4.88	4.51	4.39	4.09
10	4.72	4.50	4.00	3.87	3.50	3.98	3.63	4.01	4.82	4.50	4.52	4.06
11	4.85	4.64	3.94	3.51	3.60	3.84	3.81	4.12	4.90	4.50	4.34	4.24
12	4.87	4.37	3.77	3.42	3.65	3.83	4.22	4.12	4.90	4.48	4.07	4.19
13	4.94	3.93	3.64	3.54	3.61	3.87	4.61	4.13	4.83	4.42	3.91	4.16
14	4.69	4.03	3.87	3.77	3.83	4.02	4.53	4.09	4.80	4.23	3.86	4.12
15	4.54	4.20	3.85	3.99	4.32	4.21	4.10	3.92	4.70	4.09	3.84	4.08
16	4.36	4.46	4.04	4.20	4.13	4.43	3.89	3.88	4.60	4.04	3.87	4.27
17	4.49	4.50	4.07	4.29	3.84	4.94	3.96	3.95	4.50	4.09	3.83	4.39
18	4.40	4.52	4.08	4.45	3.51	4.96	3.94	3.99	4.59	4.11	3.83	4.41
19	4.45	4.50	4.05	3.78	3.49	4.86	3.91	4.03	4.43	4.27	3.77	4.39
20	4.54	4.52	4.02	3.66	3.81	4.81	3.89	4.08	4.44	4.47	3.80	4.28
21	4.57	4.37	4.02	3.76	4.00	4.76	3.78	4.16	4.52	4.52	3.82	4.33
22	4.65	4.61	4.43	3.63	3.96	4.80	3.59	4.08	4.53	4.57	3.81	4.25
23	4.88	4.66	4.79	3.52	3.70	5.09	3.60	4.08	4.54	4.64	3.92	4.14
24	5.08	4.68	4.24	3.78	4.01	5.19	3.46	4.23	4.47	4.63	4.05	4.24
25	4.71	4.84	4.22	3.89	4.04	4.96	3.42	4.38	4.42	4.53	4.20	4.29
26	4.65	4.59	4.15	3.53	4.39	4.97	3.48	4.57	4.33	4.44	4.22	4.32
27	4.61	4.30	4.16	3.48	4.54	4.88	3.57	4.70	4.20	4.33	4.15	4.38
28	4.50	4.24	4.05	3.55	4.65	4.89	3.51	4.77	4.27	4.29	4.06	4.38
29	4.40	4.40	4.07	3.80	---	4.91	3.60	4.71	4.40	4.17	3.98	4.35
30	4.37	4.59	4.14	3.85	---	4.43	3.71	4.64	4.41	4.15	4.05	4.07
31	4.56	---	4.12	3.71	---	3.88	---	4.55	---	3.99	4.08	---
MAX	5.08	4.84	4.79	4.45	4.65	5.19	4.61	4.77	4.90	4.64	4.52	4.50
MIN	4.36	3.93	3.64	3.42	3.42	3.72	3.42	3.75	4.06	3.99	3.77	4.06

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.

WATER-DISCHARGE RECORDS

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: Oct. 1, 2, and Nov. 28 to Dec. 1. Records poor. No gage-height or velocity record Oct. 1, 2, and Nov. 28 to Dec. 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080 ft³/s Oct. 25, 1984, gage height 12.11 ft; minimum discharge, -280 ft³/s June 16, 1985, minimum gage height, 0.06 ft Oct. 27, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,470 ft³/s, Mar. 1; maximum gage height, 10.70 ft Feb. 28; minimum daily discharge, 18 ft³/s Aug. 4, Sept. 14; minimum gage height, 0.46 ft Sept. 15, 22-24, 25, 26, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	35	230	163	605	1470	233	33	51	174	24	94
2	34	33	272	148	603	1440	223	36	46	188	23	71
3	35	31	191	164	569	1400	220	37	39	155	20	46
4	33	31	130	435	495	1360	221	41	35	125	18	32
5	36	375	105	426	479	1320	200	39	41	104	21	27
6	35	489	85	342	628	1270	189	43	43	91	29	26
7	35	193	62	258	939	1210	177	42	33	99	29	28
8	45	76	46	199	829	1180	168	39	36	132	29	24
9	52	53	33	197	679	1250	145	38	48	141	26	23
10	50	52	71	215	512	1180	124	41	57	103	45	23
11	45	62	475	233	376	982	120	52	54	65	211	19
12	53	67	515	236	328	555	106	34	50	59	798	22
13	88	62	329	231	291	468	100	227	76	60	942	19
14	120	52	215	233	268	335	186	217	314	54	903	18
15	76	43	281	281	502	277	231	100	901	47	845	19
16	46	47	824	530	1060	262	190	52	885	42	699	22
17	44	51	737	1090	970	412	153	31	792	40	716	27
18	40	49	432	1450	714	1380	125	26	698	35	535	36
19	37	122	620	994	522	1090	105	24	593	34	365	35
20	33	243	572	889	424	933	94	23	438	46	276	27
21	34	276	599	829	540	802	92	21	312	37	215	21
22	30	245	602	899	842	649	78	23	621	38	166	20
23	40	276	792	900	944	539	56	21	424	34	141	20
24	46	351	735	858	940	923	43	26	225	37	127	21
25	51	658	782	900	1040	911	41	35	250	34	94	19
26	51	771	854	906	1150	855	29	45	223	38	88	22
27	51	720	847	891	1270	721	27	48	195	44	67	24
28	40	480	668	872	1390	510	32	48	168	85	45	23
29	45	290	458	854	---	379	28	52	142	74	36	21
30	34	170	317	798	---	299	30	52	146	32	109	21
31	34	---	219	718	---	248	---	51	---	30	125	---
TOTAL	1426	6403	13098	18139	19909	26610	3766	1597	7936	2277	7767	850
MEAN	46.0	213	423	585	711	858	126	51.5	265	73.5	251	28.3
MAX	120	771	854	1450	1390	1470	233	227	901	188	942	94
MIN	30	31	33	148	268	248	27	21	33	30	18	18
CAL	YR 1986	TOTAL	45650	MEAN	125	MAX	854	MIN	15			
WTR	YR 1987	TOTAL	109778	MEAN	301	MAX	1470	MIN	18			

MISSISSIPPI RIVER DELTA

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07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.47	---	3.82	5.88	10.56	4.09	1.17	1.70	2.45	1.03	1.65
2	---	1.40	3.80	3.57	5.08	10.23	3.80	1.18	1.60	2.64	.87	1.39
3	1.54	1.32	3.38	3.62	4.61	9.88	3.58	1.13	1.50	2.39	.74	1.06
4	1.60	1.31	3.04	6.25	4.19	9.51	3.37	1.17	1.45	2.15	.64	.86
5	1.66	2.90	2.82	6.75	3.97	9.12	3.14	1.25	1.68	1.95	.70	.78
6	1.63	3.71	2.61	5.83	4.36	8.66	2.96	1.31	1.54	1.84	.89	.87
7	1.58	2.50	2.42	4.91	5.88	8.02	2.77	1.36	1.61	2.04	.98	.93
8	1.62	2.01	2.24	4.14	5.64	7.66	2.58	1.22	1.74	2.13	1.01	.85
9	1.81	1.79	2.13	3.69	4.86	7.81	2.40	1.23	1.92	2.18	1.06	.77
10	1.94	1.74	2.23	3.50	4.07	7.24	2.22	1.32	1.96	1.94	1.51	.69
11	1.89	2.21	4.23	3.29	3.59	6.31	2.09	1.32	1.95	1.83	2.71	.70
12	1.98	2.31	4.76	3.00	3.33	5.51	1.92	1.18	1.96	1.79	6.25	.76
13	2.27	2.09	3.67	2.74	3.13	4.93	1.89	1.97	2.45	1.70	8.35	.69
14	2.68	1.90	2.88	2.61	2.96	4.45	2.24	2.07	5.72	1.71	8.26	.63
15	2.31	1.74	3.08	2.74	4.11	4.14	2.39	1.52	7.34	1.52	7.74	.52
16	1.92	1.63	6.24	3.64	7.27	3.90	2.18	1.19	7.17	1.36	6.84	.50
17	1.79	1.58	6.77	6.93	6.79	3.99	2.02	.93	6.83	1.33	5.63	.74
18	1.55	1.56	6.09	9.43	5.68	7.96	1.86	.87	6.90	1.30	4.30	.93
19	1.42	1.54	7.95	9.98	4.76	8.74	1.75	.81	5.81	1.34	3.01	1.00
20	1.33	1.93	8.31	9.93	4.14	8.34	1.72	.73	4.65	1.46	2.22	.87
21	1.24	2.42	7.77	9.92	5.13	7.64	1.66	.78	3.92	1.36	1.76	.60
22	1.18	2.18	7.03	10.36	8.09	6.62	1.48	.78	5.11	1.52	1.45	.53
23	1.28	2.60	8.74	10.16	8.74	5.86	1.26	.75	5.09	1.56	1.29	.46
24	1.47	3.63	9.22	9.85	8.51	8.32	1.13	.88	3.86	1.58	1.22	.46
25	1.65	7.65	8.92	9.78	8.99	8.86	1.07	1.11	3.17	1.58	1.11	.47
26	1.68	9.24	8.49	9.60	9.52	8.44	.91	1.45	2.83	1.72	1.13	.56
27	1.64	9.00	7.84	9.28	9.96	7.71	.86	1.55	2.54	1.64	1.10	.66
28	1.58	---	6.88	8.92	10.47	6.66	.89	1.59	2.29	1.75	1.01	.64
29	1.52	---	5.80	8.49	---	5.60	.91	1.75	2.11	1.65	1.01	.62
30	1.44	---	4.86	7.85	---	4.93	1.06	1.74	2.13	1.35	1.54	.49
31	1.44	---	4.18	6.92	---	4.46	---	1.75	---	1.21	1.82	---
MAX	2.68	9.24	9.21	10.36	10.47	10.56	4.09	2.07	7.34	2.64	8.35	1.65
MIN	1.18	1.31	1.12	2.61	2.96	3.90	.86	.73	1.45	1.21	.64	.46

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1969, 1978 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 06...	1500	354	7.43	27.0	15	2.2	7.9	540

DATE	STREP- TOCOCCI FECAL KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 06...	2000	140	35	12	19	5.5	156	8.6

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 06...	9.9	0.2	17	202	200	<0.02	2.6	0.73

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

MISSISSIPPI RIVER DELTA

227

295500091100000 LAKE VERRET NEAR PIERRE PART, LA

LOCATION.--Lat 29°55'00", long 91°10'00", in T.13 S., R.13 E., Assumption Parish, Hydrologic Unit 08090302, 1.2 mi northwest of landing at State Highway 1016-1, 4.3 mi southeast of Pierre Part.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1975, 1979 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 29...	1130	371	8.98	21.5	40	9.5	12.2	8.2	K2	25

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 29...	140	33	13	22	3.8	110	34	24	0.2

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 29...	8.3	216	200	<0.02	<0.02	0.02	1.7	0.15	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).

MISSISSIPPI RIVER DELTA

295030091055600 LAKE VERRET NEAR GEORGIA, LA

LOCATION.--Lat 29°50'30", long 91°05'56", In T.14 S., R.13 E., Assumption Parish, Hydrologic Unit 08090302, 0.6 mi from landing at State Highway 401 and 6.7 mi east of Georgia.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1980 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 29...	1145	358	9.00	21.5	50	9.2	11.7	7.5	<1	K750

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CaCO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 29...	140	33	13	23	3.8	110	34	23	0.2

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 29...	8.2	220	200	<0.02	<0.02	0.02	1.7	0.14	0.03

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

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

MISSISSIPPI RIVER DELTA

229

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA

LOCATION.--Lat 29°43'01", long 91°10'57", in T.15 S., R.12 E., St. Mary Parish, Hydrologic Unit 08090302, 3.0 mi from State Highway 2 and 1.0 mi east of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975, 1979 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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 29...	1020	414	8.71	22.0	20	7.5	10.1	4.6	K12	52

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 29...	150	38	14	28	3.8	116	48	29	0.2

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 29...	7.6	254	240	<0.02	<0.02	0.02	1.2	0.11	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).

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 miles west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1973-86.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1986.

REMARKS.--Records for the 1987 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 02600.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons Apr. 6, 1978; minimum daily 1,000 tons Oct. 3, 1976.

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
02...	1245	77800	223	46800	93
NOV					
06...	1245	115000	205	63700	99
DEC					
04...	1245	319000	388	334000	76
18...	1245	322000	267	232000	73
JAN					
08...	1245	122000	270	88800	73
29...	1245	110000	259	76800	74
FEB					
12...	1245	150000	272	110000	94
26...	1245	214000	245	141000	80
MAR					
05...	1245	223000	255	153000	78
19...	1245	162000	563	246000	97
APR					
02...	1245	255000	285	196000	88
16...	1245	170000	217	99800	97
30...	1245	130000	170	59600	98
MAY					
14...	1245	134000	171	62000	96
JUN					
04...	1245	214000	441	255000	99
11...	1245	155000	298	125000	99
JUL					
09...	1245	78000	237	49900	100
AUG					
06...	1045	104000	273	76600	100
20...	1045	80000	148	32000	95
SEP					
10...	1045	63000	162	27600	100
17...	1045	63000	140	23800	100

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 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	386000	711000	3060000	286000	101000	150000	209000	60000	221000	54000	92000	32000
2	468000	644000	3180000	235000	104000	152000	196000	61000	228000	41000	83000	31000
3	473000	635000	3250000	204000	108000	155000	187000	60000	244000	40000	81000	30000
4	479000	627000	3340000	177000	107000	156000	175000	59000	254000	45000	77000	29000
5	491000	618000	3330000	154000	103000	153000	164000	59000	235000	44000	76000	29000
6	497000	636000	3280000	132000	92000	160000	152000	58000	213000	49000	77000	29000
7	502000	643000	3370000	109000	81000	167000	147000	56000	198000	48000	78000	29000
8	514000	631000	3270000	89000	76000	169000	138000	53000	173000	46000	71000	29000
9	526000	659000	3200000	85000	71000	176000	126000	55000	153000	50000	64000	28000
10	539000	673000	3170000	83000	76000	180000	113000	55000	88000	54000	59000	28000
11	551000	688000	3090000	82000	83000	181000	100000	58000	125000	59000	55000	26000
12	576000	755000	3030000	81000	110000	176000	99000	58000	113000	66000	52000	26000
13	588000	916000	2790000	79000	120000	175000	98000	58000	117000	69000	47000	28000
14	600000	968000	2580000	76000	133000	184000	97000	62000	121000	74000	45000	27000
15	612000	1050000	2490000	78000	143000	181000	97000	68000	121000	78000	43000	27000
16	617000	1100000	2430000	76000	143000	190000	99000	71000	121000	78000	40000	26000
17	615000	1150000	2360000	78000	154000	202000	100000	76000	126000	79000	38000	24000
18	613000	1210000	2320000	80000	152000	221000	97000	79000	131000	86000	35000	24000
19	638000	1400000	2110000	78000	150000	246000	96000	83000	133000	95000	33000	25000
20	718000	1590000	1910000	76000	151000	254000	93000	93000	130000	99000	32000	27000
21	805000	1720000	1720000	75000	153000	273000	88000	105000	127000	104000	31000	29000
22	823000	1880000	1540000	78000	151000	268000	78000	117000	127000	116000	31000	32000
23	841000	1980000	1350000	75000	149000	275000	71000	126000	122000	121000	31000	36000
24	804000	2060000	1100000	71000	146000	268000	74000	128000	114000	126000	30000	39000
25	774000	2160000	959000	72000	146000	265000	71000	132000	104000	127000	31000	44000
26	853000	2400000	843000	72000	141000	260000	66000	140000	100000	123000	32000	50000
27	864000	2570000	724000	72000	143000	246000	65000	151000	95000	123000	33000	55000
28	889000	2880000	592000	73000	147000	241000	66000	164000	87000	119000	33000	60000
29	967000	3000000	513000	77000	---	238000	62000	173000	84000	110000	33000	66000
30	950000	2960000	452000	82000	---	229000	60000	191000	76000	102000	34000	76000
31	813000	---	357000	88000	---	218000	---	212000	---	100000	33000	---
TOTAL	20386000	40914000	67710000	3173000	3434000	6409000	3284000	2921000	4281000	2525000	1530000	1041000
MEAN	658000	1360000	2180000	102000	123000	207000	109000	94200	143000	81500	49400	34700
MAX	967000	3000000	3370000	286000	154000	275000	209000	212000	254000	127000	92000	76000
MIN	386000	618000	357000	71000	71000	150000	60000	53000	76000	40000	30000	24000
WTR YR 1986	TOTAL	157608000		MEAN	432000	MAX	3370000	MIN	24000			

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 (see REMARKS).

PERIOD OF RECORD.--Water years 1952-53, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to September 1984.

CHLORIDE: October 1974 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

REMARKS.--Records for the 1987 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
01...	1145	96300	158	41000	93
16...	1145	134000	179	64700	100
30...	1145	261000	553	390000	93
NOV					
13...	1145	211000	358	204000	74
26...	1145	332000	544	488000	93
DEC					
10...	1145	438000	402	476000	79
24...	1145	431000	390	454000	71
JAN					
07...	1145	206000	327	182000	83
22...	1145	131000	172	60700	93
FEB					
04...	1145	160000	238	103000	90
20...	1145	312000	427	360000	90
MAR					
04...	1145	270000	215	157000	89
18...	1145	187000	231	117000	97
APR					
01...	1145	296000	243	194000	95
15...	1145	225000	543	330000	88
29...	1145	235000	750	476000	92
MAY					
13...	1145	181000	208	102000	90
28...	1145	265000	623	446000	97
JUN					
10...	1145	270000	647	471000	96
24...	1145	239000	372	240000	95
JUL					
08...	1145	64000	333	57500	94
22...	1015	186000	777	390000	97
AUG					
05...	1015	129000	315	110000	84
19...	1015	76700	251	52100	78
SEP					
03...	1015	82600	352	78600	80
16...	1015	94400	137	35000	100
30...	1015	112000	205	62000	95

MISSISSIPPI RIVER DELTA

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07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22000	339000	521000	293000	89000	190000	194000	385000	536000	122000	175000	80000
2	22000	318000	522000	262000	93000	176000	198000	362000	526000	102000	148000	80000
3	23000	304000	521000	242000	101000	167000	198000	319000	519000	91000	129000	79000
4	25000	289000	521000	225000	103000	157000	188000	293000	517000	84000	115000	69000
5	26000	278000	525000	209000	108000	152000	178000	264000	518000	75000	110000	65000
6	26000	269000	510000	196000	106000	150000	168000	238000	495000	71000	101000	60000
7	29000	259000	514000	182000	107000	148000	166000	208000	493000	65000	102000	57000
8	29000	240000	502000	158000	113000	142000	166000	175000	483000	57000	92000	52000
9	32000	229000	487000	143000	109000	138000	167000	155000	468000	64000	90000	49000
10	35000	215000	475000	133000	148000	134000	182000	137000	471000	74000	85000	43000
11	37000	200000	474000	123000	173000	129000	186000	126000	464000	85000	83000	40000
12	40000	192000	488000	115000	209000	121000	192000	115000	435000	100000	82000	38000
13	43000	204000	484000	110000	237000	113000	208000	102000	423000	113000	78000	37000
14	48000	206000	485000	100000	262000	114000	222000	108000	419000	130000	72000	34000
15	55000	215000	488000	94000	286000	111000	233000	120000	406000	153000	68000	34000
16	65000	217000	494000	87000	296000	109000	247000	124000	391000	170000	69000	35000
17	68000	224000	498000	83000	329000	111000	261000	128000	379000	184000	64000	35000
18	72000	230000	500000	74000	343000	116000	272000	132000	370000	207000	64000	34000
19	79000	250000	503000	69000	355000	125000	288000	140000	359000	253000	52000	33000
20	95000	297000	500000	64000	359000	134000	308000	157000	331000	286000	41000	32000
21	126000	323000	499000	60000	347000	154000	329000	179000	296000	318000	48000	35000
22	150000	352000	492000	61000	327000	161000	328000	209000	282000	390000	46000	37000
23	173000	388000	489000	60000	306000	174000	321000	254000	258000	391000	62000	40000
24	182000	422000	453000	56000	284000	181000	345000	288000	240000	381000	66000	42000
25	189000	442000	452000	56000	262000	187000	377000	318000	210000	363000	66000	45000
26	217000	487000	447000	58000	237000	198000	397000	355000	187000	338000	71000	48000
27	233000	520000	431000	57000	219000	196000	422000	395000	166000	317000	76000	51000
28	258000	533000	393000	59000	205000	200000	462000	445000	144000	290000	78000	53000
29	331000	526000	378000	63000	---	199000	475000	466000	136000	257000	84000	56000
30	389000	526000	365000	69000	---	200000	425000	481000	147000	217000	84000	62000
31	362000	---	332000	69000	---	199000	---	520000	---	194000	84000	---
TOTAL	3481000	9494000	14743000	3630000	6113000	4786000	8103000	7698000	11069000	5942000	2585000	1455000
MEAN	112000	316000	476000	117000	218000	154000	270000	248000	369000	192000	83400	48500
MAX	389000	533000	525000	293000	359000	200000	475000	520000	536000	391000	175000	80000
MIN	22000	192000	332000	56000	89000	109000	166000	102000	136000	57000	41000	32000
WTR YR 1986 TOTAL		79099000		MEAN	217000	MAX	536000	MIN	22000			

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 890 microsiemens was observed on June 30, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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 29...	1000	322000	434	7.79	18.0	20	80	<1	8.2	1.3	42	880
NOV 25...	1100	270000	391	7.89	12.5	30	100	<1	9.4	1.5	28	1600
DEC 17...	1215	352000	356	7.69	—	40	120	<1	10.2	0.9	27	1900
FEB 06...	1030	184000	395	7.73	8.0	10	45	<1	11.7	1.7	30	580
25...	1030	226000	357	7.68	9.5	70	120	<1	10.7	1.6	29	1900
MAR 26...	1230	361000	297	7.57	18.0	30	120	<1	8.1	1.4	52	K200
APR 30...	1230	313000	393	8.04	18.5	20	80	<1	8.4	2.1	26	K600
MAY 21...	1130	158000	466	7.98	25.0	15	90	<1	7.8	2.2	68	540
JUN 30...	1100	140000	890	7.99	28.5	10	150	<1	7.1	1.8	<10	620
JUL 29...	1245	109000	504	7.88	30.5	20	120	<1	7.1	1.0	98	680
AUG 20...	1130	77800	530	8.00	31.5	10	33	<1	7.0	1.2	17	160
SEP 04...	1300	79000	534	7.60	27.5	15	45	<1	6.6	0.9	30	290

< 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 1986 TO SEPTEMBER 1987

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS 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 29...	180	120	140	38	12	29	4.0	105	46	35	0.2	9.6
NOV 25...	180	1600	130	34	9.8	28	3.3	85	50	39	—	—
DEC 17...	120	500	120	32	9.0	23	3.1	80	40	32	0.1	7.5
FEB 06...	100	150	130	35	11	27	3.1	82	49	38	—	—
25...	200	920	100	28	8.2	30	2.5	66	41	42	0.1	7.9
MAR 26...	K34	K90	98	26	8.0	20	2.8	66	32	28	—	—
APR 30...	K60	K60	150	40	12	19	3.4	102	56	37	0.2	6.5
MAY 21...	210	K30	170	42	15	26	3.6	128	55	32	—	—
JUN 30...	140	K30	200	54	17	62	4.1	64	110	97	0.3	7.1
JUL 29...	120	K40	160	42	14	36	4.1	111	62	43	—	—
AUG 20...	K44	K4	190	48	16	35	3.9	135	71	37	0.2	3.9
SEP 04...	46	46	180	45	16	38	4.4	139	67	48	—	—
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE 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- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 29...	265	240	304	0.02	<0.01	1.1	1.1	0.04	0.03	0.7	0.5	0.32
NOV 25...	—	—	336	0.01	—	0.93	—	—	—	—	0.41	0.40
DEC 17...	208	190	278	0.03	0.01	1.0	0.97	0.07	0.04	1.1	0.6	0.36
FEB 06...	—	—	86	0.01	—	0.85	—	—	—	—	0.64	0.22
25...	215	200	620	0.04	—	0.5	—	0.10	—	1.2	1.0	0.06
MAR 26...	—	—	190	0.05	—	0.49	—	—	—	—	0.63	0.26
APR 30...	225	240	376	0.04	0.01	1.5	1.5	0.11	0.03	2.0	0.8	0.28
MAY 21...	—	—	228	0.01	—	1.3	—	—	—	—	0.30	0.38
JUN 30...	426	390	312	0.02	<0.01	1.1	1.1	0.06	0.04	1.5	0.8	0.05
JUL 29...	—	—	210	0.01	—	1.1	—	—	—	—	0.36	0.38
AUG 20...	308	300	87	—	<0.01	—	0.82	—	<0.01	0.9	0.4	0.10
SEP 04...	—	—	112	0.01	—	0.75	—	—	—	—	0.40	0.22

< 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 1986 TO SEPTEMBER 1987

DATE	PHOS- PHORUS, DIS- SOL VED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOL VED (MG/L AS P)	ALUM- INUM, DIS- SOL VED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOL VED (UG/L AS AS)	BARIUM, DIS- SOL VED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOL VED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOL VED (UG/L AS CD)	CHRO- MIUM, DIS- SOL VED (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 29...	0.06	0.05	10	4	2	83	<10	<0.5	<1	<1	<1	<10
NOV 25...	--	--	--	3	1	--	<10	<0.5	<1	1	--	--
DEC 17...	0.05	0.04	--	3	1	--	<10	<0.5	<1	1	--	<10
FEB 06...	--	--	--	2	<1	--	<10	<10	1	1	--	<10
25...	0.03	--	50	3	<1	70	<10	<0.5	<1	<1	<1	20
MAR 26...	--	--	--	1	<1	--	<10	<10	--	5	--	10
APR 30...	0.18	0.03	20	2	1	67	<10	<0.5	--	<1	<1	<10
MAY 21...	--	--	--	5	1	--	<10	<10	2	<1	--	<10
JUN 30...	0.06	0.06	--	2	--	--	<10	--	<1	--	--	<10
JUL 29...	--	--	--	6	2	--	<10	<10	<1	<1	--	10
AUG 20...	0.11	0.07	<10	3	2	89	<10	<0.5	<1	<1	<1	<10
SEP 04...	--	--	--	3	2	--	<10	<10	1	<1	--	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COBALT, DIS- SOL VED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOL VED (UG/L AS CU)	IRON, DIS- SOL VED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOL VED (UG/L AS PB)	LITHIUM DIS- SOL VED (UG/L AS LI)	MANGA- NESE, DIS- SOL VED (UG/L AS MN)	MERCURY DIS- SOL VED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOL VED (UG/L AS MO)
OCT 29...	<1	<3	24	5	18	7	<5	13	5	<0.1	<0.1	<10
NOV 25...	<1	--	15	3	31	37	<5	--	--	<0.1	0.1	--
DEC 17...	<1	--	15	10	55	10	<5	--	--	0.1	0.1	--
FEB 06...	<1	--	7	5	70	5	<5	--	--	<0.1	<0.1	--
25...	<1	10	19	6	150	12	<5	10	13	<0.1	<0.1	<10
MAR 26...	--	--	10	4	68	10	<5	--	--	0.1	0.3	--
APR 30...	<1	5	26	7	13	13	<5	11	5	<0.1	0.1	<10
MAY 21...	<1	--	20	5	<8	20	<5	--	--	<0.1	<0.1	--
JUN 30...	<1	--	15	--	--	10	--	--	--	--	<0.1	--
JUL 29...	<1	--	20	6	<8	9	<5	--	--	--	0.1	--
AUG 20...	<1	<3	15	6	4	<5	<5	13	2	<0.1	<0.1	<10
SEP 04...	<1	--	10	5	<8	<5	<5	--	--	--	--	--

< 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 1986 TO SEPTEMBER 1987

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)
OCT 29...	15	5	<1	<1	<1	210	<6	50	14	8.7	<0.01	2
NOV 25...	12	2	<1	<1	—	—	1	50	7	8.2	<0.01	2
DEC 17...	12	2	<1	<1	—	—	1	50	13	9.8	<0.01	4
FEB 06...	5	2	<1	<1	—	—	<40	20	10	4.5	<0.02	2
25...	15	2	<1	<1	<1	200	<6	40	10	—	<0.01	<1
MAR 26...	10	1	<1	<1	—	—	—	20	<10	7.0	<0.02	<1
APR 30...	12	1	<1	<1	<1	200	<6	50	16	6.8	<0.01	4
MAY 21...	20	<1	<1	<1	—	—	20	40	<10	4.8	<0.02	5
JUN 30...	5	—	<1	—	—	—	—	40	—	7.9	<0.01	2
JUL 29...	10	5	<1	<1	—	—	3	50	<10	2.3	<0.02	4
AUG 20...	5	6	<1	<1	<1	280	<6	30	5	5.9	<0.01	7
SEP 04...	7	<1	<1	<1	—	—	2	20	<10	6.2	<0.02	2

DATE	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT 29...	1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
NOV 25...	2	—	—	—	—	—	—	—	—	—	—	—
DEC 17...	3	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001
FEB 06...	17	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
25...	4	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 26...	10	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 30...	1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 21...	3	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 30...	1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 29...	4	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 20...	1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01
SEP 04...	—	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<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 1986 TO SEPTEMBER 1987

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
OCT 29...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
DEC 17...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
FEB 06...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 25...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 30...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 21...	<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 29...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
AUG 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 04...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
DATE	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 29...	<1	<0.01	0.01	<0.01	<0.01	<0.01	2.4	0.2	340	296000	81
NOV 25...	—	—	—	—	—	—	3.4	0.4	395	288000	85
DEC 17...	<1	<0.01	0.01	<0.01	<0.01	<0.01	1.4	0.2	525	499000	66
FEB 06...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	4.0	0.3	241	120000	81
FEB 25...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	659	402000	84
MAR 26...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	2.9	0.2	726	708000	70
APR 30...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	2.1	0.2	—	—	—
MAY 21...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	4.7	0.5	335	143000	98
JUN 30...	<0.5	<0.01	<0.1	<0.1	<0.1	0.1	3.7	0.3	467	177000	99
JUL 29...	<0.5	0.02	<0.1	2.2	<0.1	<0.1	4.2	0.3	332	97700	99
AUG 20...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	26	1.2	120	25200	100
SEP 04...	<0.5	<0.01	<0.10	4.3	<0.1	<0.1	6.0	0.3	117	25000	100

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

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LOCATION.--Lat 29°41'52", long 91°22'22", in lot 56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101 at Southern Railways System Bridge, 160 ft downstream from State Highway 90, 0.4 mi downstream from Bayou Teche, 0.5 mi west of Calumet, and 9.8 mi west of Morgan City.

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.

REMARKS.--Records good. Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

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, 178,000 ft³/s Oct. 29; maximum elevation, 6.17 ft Mar. 17; minimum daily discharge recorded, 28,100 ft³/s Sept. 26; minimum elevation, 0.26 ft Sept. 30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39100	134000	117000	91700	57200	86400	128000	122000	57200	55100	46800	42200
2	42800	133000	117000	91800	56200	93400	124000	122000	61300	58200	45700	41900
3	43800	126000	112000	86900	60700	95400	137000	122000	62200	52600	44700	38400
4	53700	119000	116000	83800	61100	99000	129000	119000	65600	52900	41900	36400
5	56600	118000	110000	76700	63200	99500	117000	118000	69400	51600	42700	34600
6	73900	121000	103000	73900	59000	105000	116000	117000	69100	47500	41800	39000
7	81200	117000	118000	73100	63700	102000	120000	114000	68700	51300	40500	41500
8	86600	117000	130000	70400	66500	103000	116000	112000	71300	51700	39200	40400
9	92000	119000	136000	66100	71400	108000	114000	108000	74400	50900	35800	40200
10	99700	121000	141000	65200	72000	114000	109000	96500	75900	45400	34000	40700
11	113000	127000	139000	62200	74300	120000	108000	88500	82500	47300	42300	40800
12	124000	129000	144000	57700	76400	121000	109000	84000	85000	49100	44000	40900
13	122000	132000	146000	56000	78200	122000	105000	70600	84800	51600	42600	40000
14	124000	124000	145000	53100	78500	124000	107000	80100	91300	56200	42400	40600
15	121000	125000	149000	53100	75400	126000	116000	82200	92000	55000	43500	38700
16	126000	123000	148000	56000	82600	119000	116000	78000	88100	56000	42600	34500
17	126000	124000	150000	86600	90300	109000	117000	71000	83600	56800	43700	33900
18	133000	123000	152000	84500	90200	117000	115000	70000	78900	53400	36700	35200
19	136000	126000	156000	95700	92900	124000	115000	64200	78100	52900	37600	36500
20	136000	126000	156000	94600	87700	133000	109000	68800	74000	51400	35000	36600
21	137000	126000	157000	96600	87000	140000	120000	64100	73300	52900	33200	32900
22	142000	126000	160000	89400	86800	139000	124000	58900	72000	51400	33500	35600
23	144000	127000	78200	72500	88200	150000	122000	47700	68900	54700	30500	31900
24	145000	129000	40200	46000	86300	149000	125000	35800	66600	56700	31300	31300
25	146000	126000	43800	43100	79300	144000	125000	45900	61100	57800	32400	32100
26	146000	131000	45900	45100	53700	136000	123000	46000	62900	60900	34300	28100
27	147000	131000	47700	47600	44300	127000	122000	43900	61000	59400	35200	31900
28	143000	131000	50400	51300	62800	121000	124000	45900	55000	59000	35000	30200
29	158000	127000	54500	49200	---	129000	123000	50600	55000	58800	36500	29800
30	139000	118000	65000	53900	---	142000	122000	53900	551			

WTR YR 1987	TOTAL 30815100	MEAN 84420	MAX 160000	MIN 28100
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MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--CONTINUED

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.66	4.25	4.16	4.19	3.02	3.75	4.60	3.87	2.21	2.26	1.56	1.63
2	2.73	4.20	3.90	4.01	2.88	3.65	4.54	4.07	2.19	2.17	1.46	1.68
3	2.94	4.21	3.68	4.14	2.76	3.71	4.27	4.19	2.12	2.22	1.53	1.60
4	2.68	4.28	3.79	3.66	2.91	3.74	4.24	4.09	2.05	2.06	1.67	1.75
5	2.61	4.34	3.85	3.56	2.78	3.98	4.17	3.88	1.86	2.04	1.79	2.14
6	2.48	4.03	3.99	3.63	2.69	4.20	4.11	3.63	2.02	2.26	1.85	2.11
7	2.37	4.10	4.10	3.52	2.41	4.46	4.05	3.45	2.47	2.30	1.83	1.89
8	2.77	4.01	4.22	3.46	2.44	4.67	3.97	3.33	2.79	2.42	1.95	1.79
9	3.09	3.93	4.35	3.61	2.39	4.72	3.90	3.29	2.96	2.27	2.23	1.65
10	2.88	3.87	4.15	3.25	2.51	4.78	3.89	3.18	2.98	2.38	2.56	1.72
11	3.27	3.98	4.26	2.85	2.58	4.79	3.89	3.12	3.14	2.36	2.08	1.90
12	3.50	3.80	4.31	2.80	2.59	4.91	4.00	3.03	3.17	2.29	1.75	1.65
13	3.64	3.49	4.29	2.78	2.56	4.99	4.38	2.93	3.27	2.18	1.58	1.75
14	3.56	3.70	4.48	2.86	2.71	5.13	4.26	2.85	3.29	1.89	1.49	1.71
15	3.66	3.90	4.56	2.97	3.13	5.25	4.03	2.59	3.04	1.81	1.40	1.72
16	3.62	4.11	4.76	2.99	2.88	5.35	3.86	2.40	2.84	1.82	1.53	2.10
17	3.93	4.13	4.80	2.99	2.73	5.73	3.90	2.47	2.74	1.88	1.52	2.09
18	4.09	4.18	4.82	3.19	2.56	5.85	3.80	2.38	2.89	1.91	1.67	1.99
19	4.19	4.16	4.86	2.61	2.57	5.66	3.70	2.25	2.61	1.98	1.39	1.81
20	4.35	4.20	4.87	2.56	2.77	5.59	3.69	2.28	2.67	2.26	1.38	1.54
21	4.50	4.05	4.87	2.56	2.85	5.50	3.68	2.16	2.61	2.24	1.41	1.81
22	4.61	4.28	4.97	2.56	3.00	5.47	3.57	2.02	2.60	2.36	1.26	1.59
23	4.84	4.33	5.25	2.40	2.97	5.67	3.60	1.92	2.58	2.48	1.48	1.36
24	5.05	4.40	4.99	2.68	3.20	5.64	3.61	2.04	2.43	2.41	1.57	1.73
25	4.71	4.66	4.93	2.61	3.18	5.45	3.65	2.25	2.32	2.34	1.78	1.77
26	4.75	4.44	4.90	2.30	3.50	5.40	3.70	2.37	2.04	2.18	1.77	1.84
27	4.74	4.17	4.85	2.50	3.94	5.30	3.77	2.63	1.84	2.05	1.63	1.91
28	4.59	4.07	4.71	2.56	4.10	5.17	3.78	2.71	2.20	1.97	1.51	1.93
29	4.46	4.09	4.68	2.75	---	5.16	3.79	2.62	2.39	1.84	1.41	1.70
30	4.35	4.14	4.55	2.78	---	4.86	3.86	2.49	2.32	1.79	1.51	.94
31	4.37	---	4.38	2.77	---	4.56	---	2.32	---	1.59	1.48	---
MAX	5.05	4.66	5.25	4.19	4.10	5.85	4.60	4.19	3.29	2.48	2.56	2.14
MIN	2.37	3.49	3.68	2.30	2.39	3.65	3.57	1.92	1.84	1.59	1.26	.94

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 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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 14...	1400	118000	383	7.80	22.0	30	200	<1	6.5	0.2	37
NOV 12...	1500	118000	532	7.90	17.5	20	100	<1	7.9	—	24
DEC 09...	1315	133000	340	7.60	11.5	25	85	<1	9.3	1.1	—
JAN 22...	1330	83000	296	7.30	8.5	80	110	<1	10.4	1.4	46
FEB 17...	1245	95000	395	7.50	—	30	50	<1	11.6	2.8	15
MAR 23...	1145	157000	382	7.56	—	30	80	<1	8.6	1.2	54
APR 22...	1300	121000	395	7.60	19.0	20	75	<1	8.7	1.2	32
MAY 19...	1230	54000	442	7.70	26.0	15	35	<1	7.5	0	24
JUN 16...	1215	81000	690	7.70	28.5	30	100	<1	6.6	0.9	—
JUL 27...	1330	61000	549	7.50	31.0	20	100	<1	6.6	1.1	54
AUG 18...	1300	43000	579	7.90	31.0	5	8.1	<1	6.8	0.6	11
SEP 01...	1230	49000	581	8.30	28.5	10	9.0	<1	8.7	1.5	20

< 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 1986 TO SEPTEMBER 1987

DATE	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 14...	1000	130	130	35	11	23	4.6	102	45	28	484
NOV 12...	21000	110	160	43	13	44	4.1	96	60	67	230
DEC 09...	300	K10	110	30	9.5	20	2.8	80	37	27	115
JAN 22...	2000	24	97	25	8.5	20	2.2	72	30	27	215
FEB 17...	240	54	140	36	12	26	2.9	86	47	36	225
MAR 23...	1100	K10	120	32	10	26	2.7	70	39	39	259
APR 22...	K20	K30	150	37	13	21	3.1	98	45	29	176
MAY 19...	K150	K10	160	41	15	28	3.5	118	52	31	101
JUN 16...	550	120	190	49	16	61	4.5	113	86	84	498
JUL 27...	K350	<4	180	46	16	40	4.5	110	93	49	134
AUG 18...	K550	K15	170	42	17	35	3.6	133	64	42	32
SEP 01...	K50	K10	200	50	18	42	4.4	171	69	45	31

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT 14...	0.02	1.0	0.94	0.78	4	2	<10	<0.5	1	1	10
NOV 12...	0.01	0.97	0.27	0.37	3	1	<10	<0.5	1	<1	10
DEC 09...	0.02	0.77	0.32	0.28	1	1	<10	<10	1	<1	<10
JAN 22...	0.03	0.53	0.50	0.12	<1	<1	<10	<10	2	2	<10
FEB 17...	0.02	0.83	0.27	0.23	2	<1	<10	<10	3	<1	<10
MAR 23...	0.03	0.56	0.67	0.26	4	<1	<10	<10	2	<1	10
APR 22...	0.02	1.0	0.45	0.30	3	<1	<10	<10	1	1	10
MAY 19...	0.01	1.1	0.73	0.25	3	1	<10	<10	1	2	<10
JUN 16...	0.02	1.4	0.62	0.50	7	1	<10	<10	1	—	<10
JUL 27...	0.02	1.0	—	0.24	3	2	<10	<10	<1	<1	<10
AUG 18...	<0.01	0.90	0.25	0.14	2	2	<10	<10	<1	<1	<10
SEP 01...	0.01	0.20	0.74	0.10	2	2	<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 1986 TO SEPTEMBER 1987

DATE	CHROMIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 14...	<1	21	7	12	15	<5	<0.1	<0.1	16	<1	<1
NOV 12...	<1	15	5	46	<5	<5	<0.1	<0.1	13	3	<1
DEC 09...	<1	10	7	70	8	<5	<0.1	<0.1	9	3	<1
JAN 22...	<1	20	4	100	10	<5	<0.1	<0.1	10	<1	<1
FEB 17...	<1	6	3	40	5	<5	<0.1	<0.1	8	3	<1
MAR 23...	<1	10	3	40	10	<5	<0.1	<0.1	10	3	<1
APR 22...	<1	10	6	20	10	<5	<0.1	<0.1	20	<5	<1
MAY 19...	<1	40	10	<8	10	<5	<0.1	<0.1	10	3	<1
JUN 16...	<1	40	10	20	20	<5	<0.1	<0.1	20	2	<1
JUL 27...	<1	20	8	40	7	<5	<0.1	<0.1	5	6	<1
AUG 18...	<1	5	3	<8	<5	<5	<0.1	<0.1	<1	<1	<1
SEP 01...	<1	20	6	30	9	<5	<0.1	<0.1	3	<1	<1

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)
OCT 14...	<1	2	—	8	7.4	<0.01	4	4	<0.1	<0.1	<0.001
NOV 12...	<1	1	30	8	7.2	<0.01	2	3	<0.1	<0.1	—
DEC 09...	<1	1	30	10	5.0	<0.02	1	3	<0.1	<0.1	<0.001
JAN 22...	<1	<1	30	<10	4.0	<0.02	2	10	<0.1	<1	<0.01
FEB 17...	<1	<16	10	<10	5.0	<0.02	<1	7	<0.1	<1	<0.01
MAR 23...	<1	<30	40	20	8.0	<0.02	<1	4	0.1	<1	<0.01
APR 22...	<1	<1	30	<10	—	<0.02	7	3	<0.1	<1	<0.01
MAY 19...	<1	<1	40	20	3.0	<0.02	<1	2	<0.1	<1	<0.01
JUN 16...	<1	<2	60	10	4.5	<0.02	5	3	<0.1	<1	<0.01
JUL 27...	<1	2	30	20	2.0	<0.02	10	4	<0.1	<1	<0.01
AUG 18...	<1	<3	<10	<10	4.2	<0.02	6	2	<0.1	<1	<0.01
SEP 01...	<1	<2	10	<10	5.0	<0.02	<1	2	<0.1	<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 1986 TO SEPTEMBER 1987

DATE	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 14...	<0.1	<0.001	0.001	<0.001	0.01	<0.001	<0.001	<0.001	<0.01	<0.001
NOV 12...	<0.1	—	—	0.003	0.02	<0.001	<0.001	<0.001	<0.01	—
DEC 09...	<0.1	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001
JAN 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 22...	<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
JUN 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 27...	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 18...	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 01...	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01
DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT 14...	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
NOV 12...	<0.001	—	<0.01	—	<0.01	<0.01	—	0.01	<0.1	<1
DEC 09...	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<1
JAN 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
FEB 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
MAR 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
APR 22...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
MAY 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.5
JUN 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5
JUL 27...	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.5
AUG 18...	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.5
SEP 01...	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.5

MISSISSIPPI RIVER DELTA

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07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TOTAL TRI- THION (UG/L)	2, 4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2, 4, 5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 14...	<0.01	<0.01	<0.01	<0.01	<0.01	0.7	<0.1	854	272000	97
NOV 12...	<0.01	—	—	—	—	1.2	0.1	353	112000	93
DEC 09...	<0.01	0.03	<0.01	<0.01	<0.01	1.4	0.1	350	126000	81
JAN 22...	<0.01	<0.1	<0.1	<0.1	<0.1	2.1	0.2	327	73300	94
FEB 17...	<0.01	<0.1	<0.1	<0.1	<0.1	2.3	0.1	190	48700	88
MAR 23...	<0.01	1.1	0.3	<0.1	<0.1	2.9	0.2	446	189000	78
APR 22...	<0.01	<0.1	<0.1	<0.1	<0.1	2.4	0.2	313	102000	79
MAY 19...	<0.01	<0.1	<0.1	<0.1	<0.1	7.7	0.7	128	18700	99
JUN 16...	<0.01	<0.1	<0.1	<0.1	<0.1	1.1	0.1	673	147000	98
JUL 27...	0.02	<0.1	<0.1	<0.1	<0.1	4.5	0.3	306	50400	99
AUG 18...	<0.01	—	—	—	—	13	1.0	E 94	E 10900	E 99
SEP 01...	<0.01	<0.1	<0.1	<0.1	<0.1	8.8	0.4	121	16000	99

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

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°42'09", long 91°12'07", on line between lots 1 and 6, St. Mary Parish, Hydrologic Unit 08080101 near center of span on downstream side of Southern Railways System bridge at Morgan City, 0.3 mi downstream from U.S. Highway 90, 0.3 mi upstream from Bayou Boeuf, and 1.0 mi southwest of Morgan City High School.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year (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 Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans district.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.51 ft Mar. 17; minimum, undetermined.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
Oct. 15, 1986.....	170,000	Feb. 18.....	115,000	June 17.....	124,000
Nov. 13.....	189,000	Mar. 26.....	233,000	Aug. 19.....	58,400
Dec. 10.....	192,000	Apr. 23.....	184,000	Sept. 2.....	68,300
Jan. 23, 1987.....	115,000	May 20.....	89,600		

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.71	3.07	3.64	3.84	2.88	3.44	4.14	3.30	1.83	1.93	1.55	2.01
2	2.64	3.07	3.50	3.66	2.74	3.15	4.11	3.39	1.84	2.16	1.46	2.08
3	2.94	3.06	3.20	3.76	2.46	3.14	3.77	3.49	1.73	2.59	1.68	2.06
4	2.60	3.08	3.33	3.53	2.49	3.06	3.73	3.56	1.69	1.90	1.98	2.24
5	2.51	3.07	3.34	3.32	2.27	3.10	3.66	3.35	1.60	2.05	2.13	2.60
6	2.37	3.08	3.43	3.34	2.23	3.27	3.64	3.21	1.73	2.32	2.48	2.53
7	2.25	3.05	3.46	3.13	2.06	3.39	3.61	2.97	2.18	2.84	2.21	2.20
8	2.61	3.07	3.57	3.02	1.95	3.72	3.56	3.01	2.59	2.87	2.38	2.05
9	3.02	3.08	3.60	3.05	1.82	3.77	3.47	2.96	2.91	2.56	2.36	1.71
10	2.75	3.09	3.40	2.94	2.03	3.86	3.44	3.01	3.03	2.80	2.76	1.87
11	3.07	3.07	3.43	2.59	2.17	3.90	3.50	3.03	3.00	2.61	2.29	2.26
12	3.03	3.08	3.56	2.47	2.20	4.07	3.64	2.95	3.18	1.83	2.13	1.85
13	3.39	3.09	3.38	2.48	2.20	4.17	3.93	3.04	3.05	2.28	1.82	1.99
14	3.00	3.04	3.60	2.45	2.29	4.37	3.87	2.86	3.14	1.75	1.51	1.61
15	2.99	3.23	3.67	2.73	2.59	4.52	3.59	2.58	2.83	1.52	1.60	2.03
16	2.78	3.46	4.01	2.68	2.72	4.64	3.53	2.23	2.73	1.50	1.80	2.49
17	---	3.49	4.09	2.70	2.43	4.81	3.41	2.33	2.46	1.69	1.83	2.52
18	---	3.55	4.11	3.00	2.25	5.12	3.32	1.99	2.74	1.89	1.75	2.32
19	---	3.48	4.18	2.61	2.19	4.95	3.17	1.86	2.50	1.92	1.97	2.34
20	---	3.66	4.26	2.43	2.15	4.75	3.07	1.86	2.50	2.51	1.79	1.92
21	---	3.47	4.24	2.29	2.13	4.72	3.11	1.89	2.60	2.44	1.81	2.03
22	---	3.68	4.30	2.38	2.57	4.61	3.06	1.82	2.66	2.51	1.82	1.81
23	3.46	3.77	5.00	1.91	2.30	4.62	3.06	1.84	2.74	2.63	1.99	---
24	3.22	3.81	4.50	2.06	2.53	4.88	3.11	2.27	2.68	2.52	1.94	1.74
25	3.11	4.25	4.37	2.36	2.57	4.72	3.06	2.40	2.63	2.38	2.05	1.81
26	3.08	3.93	4.31	1.87	2.82	4.75	3.13	2.69	2.04	2.27	1.98	1.91
27	3.12	3.62	4.26	1.88	3.45	4.78	3.32	2.82	1.57	2.15	1.71	2.07
28	3.08	3.43	4.10	2.19	3.83	4.70	3.39	2.86	2.11	1.86	1.85	2.18
29	3.08	3.42	4.06	2.38	---	4.72	3.28	2.66	2.22	1.85	1.41	1.95
30	3.07	3.51	4.01	2.56	---	4.61	3.35	2.42	2.18	1.79	1.65	1.41
31	3.08	---	3.93	2.44	---	4.16	---	2.09	---	1.72	1.96	---
MAX	---	4.25	5.00	3.84	3.83	5.12	4.14	3.56	3.18	2.87	2.76	2.60
MIN	2.25	3.04	3.20	1.87	1.82	3.06	3.06	1.82	1.57	1.50	1.41	1.41

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 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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	15...	1015	170000	418	7.70	25	180	<1	7.2	1.1	34	1100
NOV	13...	0930	189000	523	7.79	20	97	<1	8.4	1.2	24	1000
DEC	10...	0845	192000	355	7.70	30	83	<1	9.4	0.7	24	640
JAN	23...	1200	115000	291	7.20	80	100	<1	10.4	1.3	50	4200
FEB	18...	0845	116000	397	7.41	30	48	<1	12.5	3.7	12	1000
MAR	26...	0945	233000	350	7.70	50	100	<1	7.4	0.9	67	420
APR	23...	0945	184000	404	7.50	20	55	<1	7.8	0.9	—	500
MAY	20...	1000	90000	439	7.70	15	25	<1	6.4	—	24	500
JUN	17...	1000	124000	644	7.80	30	150	<1	6.0	0.6	16	500
AUG	06...	1230	—	537	7.70	5	45	<1	6.2	—	44	K150
SEP	19...	0745	58400	529	7.90	5	13	<1	6.8	0.6	19	K260
SEP	02...	0845	68000	588	8.20	15	6.0	<1	8.5	2.1	25	K20

< 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 1986 TO SEPTEMBER 1987

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 15...	190	180	140	36	11	26	3.9	102	47	35	--	--
NOV 13...	140	160	150	40	12	41	4.0	104	60	59	0.3	10
DEC 10...	56	92	110	31	8.8	22	1.7	77	38	30	0.1	7.5
JAN 23...	88	880	95	24	8.5	20	2.8	71	31	26	--	--
FEB 18...	52	210	130	34	10	27	2.6	81	54	37	0.1	8.3
MAR 26...	60	140	120	30	10	24	2.8	73	38	37	--	--
APR 23...	K50	K65	140	39	11	22	2.8	95	51	29	0.2	7.7
MAY 20...	K20	K44	170	42	15	26	4.3	121	51	30	--	--
JUN 17...	120	290	180	47	15	56	5.8	112	82	84	0.2	6.1
AUG 06...	K10	K40	180	45	16	37	4.1	117	64	48	--	--
SEP 19...	K6	<4	180	48	15	34	3.6	131	65	38	0.3	5.3
SEP 02...	K20	K10	210	51	19	42	4.5	148	72	48	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 15...	--	--	740	0.02	--	0.99	--	--	--	--	0.37	0.74
NOV 13...	307	280	246	0.04	0.01	0.90	0.89	0.09	0.03	--	0.5	0.19
DEC 10...	205	190	146	0.02	0.01	0.80	0.79	0.04	0.02	1.2	0.6	0.07
JAN 23...	--	--	192	0.03	--	0.50	--	--	--	--	0.72	0.12
FEB 18...	220	220	135	0.02	0.01	0.80	0.76	0.06	0.06	1.2	1.3	0.18
MAR 26...	--	--	344	0.05	--	0.47	--	--	--	--	0.57	0.33
APR 23...	222	220	228	0.02	0.01	1.2	1.1	0.04	0.06	1.4	0.4	0.09
MAY 20...	--	--	40	0.01	--	0.18	--	--	--	--	0.65	1.1
JUN 17...	378	360	221	0.03	<0.01	1.2	1.2	0.09	0.03	1.7	0.3	0.34
AUG 06...	--	--	118	0.01	--	0.96	--	--	--	--	0.44	0.23
SEP 19...	302	290	19	0.01	<0.01	0.90	0.69	0.02	0.03	1.0	0.7	0.11
SEP 02...	--	--	27	0.01	--	0.21	--	--	--	--	0.45	0.09

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	PHOS- PHORUS, DIS- SOL VED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOL VED (MG/L AS P)	ALUM- INUM, DIS- SOL VED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOL VED (UG/L AS AS)	BARIUM, DIS- SOL VED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOL VED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOL VED (UG/L AS CD)	CHRO- MIUM, DIS- SOL VED (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 15...	—	—	—	4	2	—	<10	<0.5	1	<1	—	20
NOV 13...	0.06	0.04	20	3	1	88	<10	<0.5	<1	<1	<1	10
DEC 10...	0.05	0.04	—	3	1	—	<10	<0.5	<1	<1	—	<10
JAN 23...	—	—	—	3	<1	—	<10	<10	2	2	—	<10
FEB 18...	0.03	0.03	40	2	<1	63	<10	<0.5	<1	<1	<1	<10
MAR 26...	—	—	—	4	<1	—	<10	<10	20	<1	—	10
APR 23...	0.07	0.07	20	2	1	65	<10	<0.5	<1	<1	<1	<10
MAY 20...	—	—	—	2	1	—	<10	<10	1	1	—	<10
JUN 17...	0.04	0.04	—	2	—	—	<10	—	1	—	—	20
AUG 06...	—	—	—	3	2	—	<10	<10	<1	1	—	<10
19...	0.10	0.05	<10	2	2	93	<10	<0.5	<1	<1	<1	10
SEP 02...	—	—	—	2	2	—	<10	<10	1	<1	—	<10

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COBALT, DIS- SOL VED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOL VED (UG/L AS CU)	IRON, DIS- SOL VED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOL VED (UG/L AS PB)	LITHIUM DIS- SOL VED (UG/L AS LI)	MANGA- NESE, DIS- SOL VED (UG/L AS MN)	MERCURY DIS- SOL VED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOL VED (UG/L AS MO)
OCT 15...	<1	—	29	5	16	20	<5	—	—	<0.1	<0.1	—
NOV 13...	<1	<3	12	4	26	7	<5	14	8	0.2	0.6	<10
DEC 10...	<1	—	9	4	66	<5	<5	—	—	<0.1	<0.1	—
JAN 23...	<1	—	20	5	70	9	<5	—	—	<0.1	0.2	—
FEB 18...	<1	30	15	8	72	<5	<5	13	9	<0.1	<0.1	<10
MAR 26...	—	—	20	7	55	9	<5	—	—	—	<0.1	—
APR 23...	<1	<3	15	4	30	6	<5	15	12	<0.1	0.1	<10
MAY 20...	<1	—	10	9	<8	<5	<5	—	—	<0.1	<0.1	—
JUN 17...	<1	—	27	—	—	10	—	—	—	—	<0.1	—
AUG 06...	1	—	20	5	<8	5	<5	—	—	<0.1	<0.1	—
19...	<1	<3	11	6	12	<5	<5	13	1	<0.1	<0.1	<10
SEP 02...	<1	—	6	5	40	<5	<5	—	—	0.2	<0.1	—

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

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- METRIC (MG/L)
OCT 15...	22	2	<1	<1	—	2	—	11	11	<0.01	5	5
NOV 13...	10	3	<1	<1	<1	<6	30	5	7.5	<0.01	2	1
DEC 10...	7	1	<1	<1	—	1	20	15	7.1	<0.01	3	3
JAN 23...	10	<1	<1	<1	—	<1	30	<10	8.0	<0.02	2	—
FEB 18...	6	<1	<1	<1	<1	<6	20	11	—	<0.01	2	6
MAR 26...	20	3	<1	<1	—	—	20	10	8.5	<0.02	<1	3
APR 23...	9	<1	<1	<1	<1	<6	30	10	7.8	<0.01	12	2
MAY 20...	6	4	<1	<1	—	<1	20	10	4.8	<0.02	1	4
JUN 17...	21	—	<1	—	—	—	60	—	7.5	<0.01	4	3
AUG 06...	3	5	<1	<1	—	3	20	10	6.0	<0.02	3	2
SEP 19...	1	1	1	1	<1	<6	20	10	3.8	<0.01	6	4
SEP 02...	3	<1	<1	<1	—	<3	10	<10	5.0	<0.02	2	1

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT 15...	<0.1	<0.1	<0.001	<0.1	<0.001	0.003	<0.001	<0.01	<0.001	<0.001	<0.001
DEC 10...	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	0.002	<0.01	<0.001	<0.001	<0.001
JAN 23...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 18...	<0.1	<0.1	<0.001	<0.1	<0.001	0.001	<0.001	<0.01	<0.001	<0.001	<0.001
MAR 26...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 23...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 20...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 17...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 06...	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
SEP 19...	<0.1	<1	<0.01	<0.01	<0.1	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
SEP 02...	<0.1	<1	<0.01	<0.01	<0.1	<0.01	<0.01	0.05	<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 1986 TO SEPTEMBER 1987

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)
OCT 15...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
DEC 10...	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
JAN 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 18...	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
MAR 26...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 20...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
JUN 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 06...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
SEP 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
SEP 02...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01

DATE	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 15...	<1	<0.01	0.02	<0.01	<0.01	<0.01	0.2	<0.1	862	396000	96
NOV 13...	—	—	—	—	—	—	2.5	0.2	418	213000	90
DEC 10...	<1	<0.01	0.03	<0.01	<0.01	<0.01	1.3	0.1	529	274000	69
JAN 23...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	2.6	0.2	338	105000	98
FEB 18...	<1	<0.01	0.02	<0.01	<0.01	<0.01	3.6	0.7	272	85200	92
MAR 26...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	2.3	0.2	560	352000	82
APR 23...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	5.1	0.4	433	215000	73
MAY 20...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	7.4	0.5	429	104000	100
JUN 17...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	600	201000	99
AUG 06...	<0.5	0.02	—	—	—	—	1.7	<0.1	—	—	—
SEP 19...	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	6.8	0.4	—	—	—
SEP 02...	<0.5	<0.01	<0.1	5.9	<0.1	<0.1	6.6	0.2	140	25700	100

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

07381650 LOWER ATCHAFALAYA RIVER BELOW SWEETBAY LAKE, NEAR MORGAN CITY, LA

LOCATION.--Lat 29°33'06", long 91°14'41", in sec.21, T.17 S., R.12 E., St. Mary Parish, attached to wharf of Texas Oil Company at Mile 129.5 from head of Atchafalaya River via Atchafalaya Basin main channel, and 10.3 mi south of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1986 to September 1987 (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 National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1986 datum of gage was National Geodetic Vertical Datum of 1929.

REMARKS.--Elevation affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.27 ft Oct. 28, 1985; minimum elevation, 0.25 ft Jan. 27, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 8.05 ft June 27, 1957; minimum elevation, -1.55 ft Nov. 6, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.53 ft Mar. 17; minimum gage height, 0.69 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.26	2.65	2.78	2.84	2.36	2.51	2.94	2.35	2.15	2.26	1.91	1.80
2	2.29	2.65	2.46	2.76	2.17	2.41	2.85	2.71	2.11	2.23	1.83	1.84
3	2.27	2.75	2.29	3.02	2.08	2.39	2.54	2.81	1.99	2.24	1.91	1.81
4	---	2.94	2.35	2.43	2.27	2.30	2.66	2.74	1.91	2.08	2.05	1.94
5	---	2.92	2.32	2.56	2.15	2.45	2.59	2.53	1.70	2.07	2.15	2.29
6	---	2.67	2.36	2.58	2.12	2.49	2.58	2.37	1.80	2.26	2.19	2.31
7	---	2.78	2.40	2.44	1.85	2.79	2.57	2.30	2.19	2.47	2.15	2.11
8	---	2.67	2.50	2.43	1.91	2.83	2.52	2.24	2.49	2.57	2.26	2.01
9	---	2.54	2.68	2.69	1.78	2.78	2.42	2.29	2.65	2.44	2.54	1.84
10	---	2.52	2.43	2.34	1.88	2.74	2.43	2.26	2.65	2.57	2.81	1.87
11	---	2.60	2.59	2.01	1.92	2.68	2.49	2.32	2.78	2.59	2.45	2.04
12	---	2.42	2.49	2.04	1.93	2.77	2.70	2.33	2.80	2.51	1.98	1.83
13	---	1.95	2.45	2.06	1.88	2.82	3.30	2.33	2.91	2.39	1.80	1.88
14	---	2.31	2.68	2.24	2.06	2.93	2.96	2.28	2.83	2.09	1.67	1.85
15	2.42	2.47	2.67	2.34	2.53	3.07	2.74	2.08	2.62	1.97	1.58	1.88
16	2.13	2.70	2.88	2.43	2.18	3.18	2.56	1.98	2.51	1.95	1.70	2.21
17	2.38	2.65	2.89	2.50	1.98	3.87	2.67	2.14	2.40	1.99	1.67	2.23
18	2.39	2.65	2.88	2.63	1.74	3.60	2.54	2.07	2.56	2.03	1.62	2.19
19	2.41	2.62	2.87	2.00	1.78	3.48	2.44	2.14	2.33	2.11	1.57	2.04
20	2.58	2.59	2.91	1.94	2.03	3.47	2.43	2.07	2.43	2.39	1.54	1.80
21	2.63	2.46	2.84	1.92	2.09	3.37	2.37	2.01	2.35	2.41	1.55	2.01
22	2.70	2.71	2.96	2.00	2.16	3.45	2.21	1.90	2.38	2.54	1.44	1.85
23	2.99	2.71	3.42	1.89	2.03	3.76	2.21	1.86	2.41	2.63	1.61	1.64
24	3.13	2.76	3.05	2.18	2.22	3.56	2.13	1.98	2.30	2.56	1.76	1.97
25	2.73	3.14	3.08	2.09	2.20	3.43	2.13	2.22	2.25	2.48	1.96	2.00
26	2.80	2.74	3.05	1.80	2.63	3.48	2.13	2.33	1.99	2.32	1.94	2.06
27	2.79	2.52	3.05	1.96	2.88	3.38	2.20	2.57	1.80	2.23	1.84	2.09
28	2.70	2.44	2.97	1.94	3.06	3.38	2.23	2.62	2.15	2.18	1.72	2.13
29	2.65	2.64	3.01	2.13	---	3.45	2.23	2.53	2.34	2.08	1.61	1.92
30	2.63	2.81	2.96	2.12	---	3.00	2.32	2.40	2.29	2.04	1.69	1.29
31	2.75	---	2.90	2.07	---	2.77	---	2.25	---	1.87	1.65	---
MAX	3.13	3.14	3.42	3.02	3.06	3.87	3.30	2.81	2.91	2.63	2.81	2.31
MIN	---	1.95	2.29	1.80	1.74	2.30	2.13	1.86	1.70	1.87	1.44	1.29

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.--52 years (water years 1923-24, 1938-87), 425 ft³/s, 24.06 in/yr, 307,900 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, 1,490 ft³/s Jan. 20, gage height, 18.39 ft; minimum, 111 ft³/s Oct. 6, 7-8, 9, 10-11, 12; minimum gage height, 6.12 ft Oct. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	118	1140	995	1130	1270	1040	172	182	223	190	160
2	113	118	1110	969	1110	1270	1010	164	171	223	193	159
3	113	118	1080	953	1080	1240	990	154	164	221	186	158
4	113	125	1050	956	1060	1210	963	157	162	212	176	158
5	113	153	1030	957	1030	1190	937	177	159	201	168	157
6	112	160	998	947	1010	1160	912	198	155	200	166	157
7	111	216	971	927	983	1140	885	220	151	217	174	156
8	111	241	945	905	957	1120	859	235	146	332	175	156
9	112	286	926	884	929	1110	833	245	148	622	170	155
10	111	341	941	864	905	1090	808	287	148	733	178	154
11	111	339	952	841	880	1060	780	399	143	716	212	157
12	123	317	949	819	854	1040	749	423	146	665	237	157
13	129	289	932	795	829	1010	705	445	164	600	244	156
14	125	267	911	773	803	989	647	444	215	544	230	155
15	122	247	902	746	795	964	585	450	275	495	216	154
16	121	232	923	722	806	938	530	440	311	507	203	154
17	120	222	950	763	822	974	481	421	311	505	193	154
18	117	209	967	1180	814	1170	438	397	297	455	184	154
19	116	195	998	1440	795	1280	394	361	291	402	176	154
20	118	186	1020	1480	786	1300	356	329	275	348	169	154
21	120	176	1020	1460	819	1270	322	303	265	298	163	153
22	120	169	1010	1440	897	1240	292	281	243	281	161	152
23	126	231	1060	1410	949	1220	268	259	224	259	160	151
24	130	682	1130	1380	969	1230	248	244	238	242	159	150
25	123	986	1160	1340	986	1220	232	235	268	232	154	149
26	121	1160	1140	1310	1060	1200	218	227	269	219	156	148
27	120	1220	1120	1270	1170	1180	207	216	255	207	169	147
28	120	1220	1100	1240	1240	1150	197	211	235	191	162	146
29	120	1190	1070	1210	---	1120	187	204	217	181	160	145
30	119	1170	1050	1180	---	1100	180	195	211	174	159	143
31	118	---	1020	1150	---	1070	---	188	---	178	161	---
TOTAL	3662	12583	31575	33306	26468	35525	17253	8681	6439	10883	5604	4603
MEAN	118	419	1019	1074	945	1146	575	280	215	351	181	153
MAX	130	1220	1160	1480	1240	1300	1040	450	311	733	244	160
MIN	111	118	902	722	786	938	180	154	143	174	154	143
CFSM	.49	1.75	4.25	4.47	3.94	4.77	2.40	1.17	.90	1.46	.75	.64
IN.	.57	1.95	4.89	5.16	4.10	5.51	2.67	1.35	.00	1.69	.87	.71
AC-FT	7260	24960	62630	66060	52500	70460	34220	17220	12770	21590	11120	9130
CAL YR 1986	TOTAL 122920	MEAN 337	MAX 1220	MIN 101	CFSM 1.40	IN. 19.05	AC-FT 243800					
WTR YR 1987	TOTAL 196582	MEAN 539	MAX 1480	MIN 111	CFSM 2.25	IN. 30.47	AC-FT 389900					

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.20	6.17	16.17	15.00	16.05	17.15	15.38	6.81	6.95	7.53	7.07	6.51
2	6.19	6.17	15.95	14.78	15.91	17.11	15.17	6.69	6.80	7.52	7.12	6.50
3	6.19	6.17	15.71	14.65	15.71	16.96	14.96	6.54	6.69	7.49	7.01	6.49
4	6.19	6.28	15.48	14.67	15.50	16.76	14.73	6.58	6.65	7.37	6.86	6.48
5	6.18	6.74	15.25	14.68	15.29	16.54	14.51	6.88	6.61	7.23	6.75	6.47
6	6.16	6.83	15.02	14.59	15.10	16.33	14.30	7.18	6.55	7.21	6.72	6.47
7	6.14	7.57	14.80	14.43	14.90	16.14	14.07	7.48	6.48	7.44	6.83	6.46
8	6.14	7.86	14.58	14.24	14.68	16.02	13.84	7.68	6.41	8.75	6.85	6.45
9	6.15	8.34	14.42	14.06	14.45	15.90	13.62	7.80	6.43	11.66	6.78	6.44
10	6.14	8.87	14.55	13.89	14.24	15.73	13.38	8.29	6.43	12.70	6.89	6.43
11	6.13	8.85	14.63	13.69	14.02	15.56	13.13	9.44	6.35	12.55	7.38	6.47
12	6.33	8.64	14.61	13.49	13.80	15.36	12.85	9.69	6.40	12.08	7.71	6.47
13	6.44	8.37	14.47	13.27	13.57	15.16	12.45	9.90	6.69	11.46	7.79	6.45
14	6.36	8.14	14.29	13.07	13.34	14.95	11.92	9.89	7.41	10.89	7.60	6.44
15	6.30	7.92	14.22	12.82	13.27	14.74	11.30	9.95	8.16	10.41	7.40	6.42
16	6.29	7.75	14.39	12.60	13.37	14.52	10.75	9.85	8.55	10.53	7.21	6.41
17	6.25	7.62	14.62	12.97	13.51	14.82	10.26	9.67	8.55	10.50	7.06	6.42
18	6.21	7.47	14.76	16.40	13.45	16.41	9.83	9.42	8.40	10.00	6.91	6.41
19	6.19	7.28	15.03	18.15	13.27	17.19	9.39	9.07	8.33	9.47	6.78	6.41
20	6.22	7.16	15.23	18.37	13.18	17.28	9.02	8.74	8.16	8.93	6.66	6.41
21	6.25	7.01	15.20	18.27	13.49	17.13	8.67	8.46	8.04	8.41	6.58	6.40
22	6.25	6.93	15.11	18.15	14.17	16.93	8.35	8.23	7.78	8.22	6.53	6.38
23	6.34	7.64	15.51	17.99	14.61	16.79	8.08	7.97	7.54	7.97	6.52	6.37
24	6.41	12.21	16.07	17.79	14.78	16.85	7.84	7.80	7.70	7.77	6.49	6.35
25	6.30	14.91	16.28	17.59	14.93	16.80	7.64	7.68	8.08	7.64	6.42	6.34
26	6.25	16.35	16.20	17.37	15.54	16.65	7.46	7.58	8.10	7.47	6.46	6.32
27	6.24	16.80	16.03	17.15	16.43	16.46	7.31	7.43	7.93	7.30	6.66	6.30
28	6.23	16.79	15.83	16.94	16.96	16.26	7.17	7.36	7.68	7.08	6.56	6.28
29	6.22	16.60	15.63	16.72	---	16.04	7.02	7.27	7.45	6.94	6.52	6.25
30	6.21	16.39	15.42	16.50	---	15.82	6.92	7.14	7.37	6.83	6.50	6.23
31	6.19	---	15.20	16.27	---	15.60	---	7.05	---	6.90	6.53	---
MAX	6.44	16.80	16.28	18.37	16.96	17.28	15.38	9.95	8.55	12.70	7.79	6.51
MIN	6.13	6.17	14.22	12.60	13.18	14.52	6.92	6.54	6.35	6.83	6.42	6.23

MISSISSIPPI RIVER DELTA

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07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW 1/4 NW 1/4 lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Co. bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

DRAINAGE AREA.--715 mi². See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

REMARKS.--Estimated daily discharges: Oct. 4-6, 20-21, 23, Nov. 4-5, May 4, 27, June 12-13, 17-18, July 24-25, and Aug. 5, 10-11, 20 (indefinite stage-discharge relationship). Records good, except those for period of period of indefinite stage-discharge relationship, which are poor. Some flow diverted from Bayou Boeuf into Chatin 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.--41 years, 1,095 ft³/s, 793,300 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, 5,000 ft³/s Dec. 1; maximum elevation, 28.04 ft Jan. 23, minimum daily discharge, 96 ft³/s Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	422	253	4960	2600	3670	4180	1690	275	294	298	374	248
2	349	247	4960	2180	3290	4330	1460	273	229	305	258	248
3	240	198	4880	1760	2800	4410	1350	264	175	391	224	203
4	280	170	4690	2440	2330	4460	1290	300	175	346	197	155
5	300	500	4450	2690	1860	4400	1320	379	126	495	250	147
6	350	1040	4160	2530	1590	4250	1310	384	139	554	305	174
7	279	907	3810	2080	1510	4040	1190	402	188	483	428	186
8	273	1060	3330	1720	1440	3820	1080	378	179	714	491	124
9	210	1050	2770	1550	1320	3620	1050	366	168	1760	475	112
10	230	1070	3120	1500	1160	3370	991	583	170	2010	500	110
11	270	722	3380	1450	1250	2960	973	721	181	1860	560	114
12	283	753	3240	1290	1160	2500	921	938	250	1630	638	134
13	341	673	2990	1150	954	1980	844	1190	300	1300	789	143
14	406	410	2670	1220	870	1540	825	1370	350	663	821	131
15	503	384	2290	1130	1250	1420	974	1450	438	781	683	130
16	574	414	3030	1080	2670	1370	678	1230	325	911	661	130
17	464	332	3240	1980	2650	1380	599	938	470	793	449	128
18	332	315	3240	3330	2550	3120	527	847	690	761	276	126
19	246	301	3410	3530	2180	3560	486	685	523	693	315	155
20	170	450	3520	3960	1620	3830	417	509	530	702	330	155
21	230	624	3550	4350	2560	4050	385	413	469	622	333	138
22	308	482	3530	4580	3210	4170	388	349	416	549	285	96
23	420	651	3580	4750	3420	4110	384	326	527	445	292	112
24	577	3200	3760	4850	3540	3950	358	349	559	400	252	133
25	829	3590	3920	4910	3600	3960	349	388	422	450	198	138
26	713	3860	4060	4880	3690	3920	375	408	248	503	261	142
27	502	4220	4130	4780	3800	3850	325	510	216	725	200	142
28	257	4520	4060	4640	3970	3690	298	752	317	414	211	142
29	264	4740	3850	4460	---	3300	281	555	432	400	190	142
30	268	4870	3500	4240	---	2750	276	410	432	414	180	177
31	253	---	2990	3980	---	2190	---	338	---	407	228	---
TOTAL	11143	42006	113070	91590	65914	104480	23394	18280	9938	22779	11654	4415
MEAN	359	1400	3647	2955	2354	3370	780	590	331	735	376	147
MAX	829	4870	4960	4910	3970	4460	1690	1450	690	2010	821	248
MIN	170	170	2290	1080	870	1370	276	264	126	298	180	96
AC-FT	22100	83320	224300	181700	130700	207200	46400	36260	19710	45180	23120	8760
CAL YR 1986	TOTAL 330724		MEAN 906		MAX 4960		MIN 129		AC-FT 656000			
WTR YR 1987	TOTAL 518663		MEAN 1421		MAX 4960		MIN 96		AC-FT 1029000			

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--CONTINUED

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.58	16.22	27.28	21.53	24.26	27.02	19.88	18.22	18.02	18.44	17.73	18.32
2	16.73	16.10	27.01	20.29	23.45	26.84	19.39	18.23	17.93	18.53	17.86	18.22
3	16.05	16.05	26.69	19.80	22.27	26.58	19.19	18.25	18.01	18.52	18.03	18.15
4	16.15	16.39	26.28	21.50	20.82	26.22	19.32	18.30	18.04	18.58	18.16	18.22
5	16.33	18.39	25.75	22.04	19.69	25.84	19.33	18.49	18.17	18.54	18.24	18.27
6	16.50	18.07	25.11	21.61	19.20	25.44	19.18	18.62	18.36	18.43	18.27	18.25
7	16.32	17.58	24.34	20.55	18.91	25.01	18.97	18.65	18.34	18.54	18.23	18.13
8	16.15	17.82	23.31	19.53	18.62	24.51	19.06	18.51	18.23	19.25	18.20	18.18
9	16.15	17.65	22.01	19.01	18.45	23.96	19.05	18.51	18.16	20.77	18.18	18.23
10	16.50	17.68	23.02	18.74	18.87	23.31	18.96	18.96	18.14	20.60	18.49	18.29
11	16.73	18.04	24.06	18.50	18.61	22.38	18.92	19.19	18.08	19.80	18.80	18.37
12	16.67	17.98	24.10	18.37	18.04	21.29	18.82	19.41	18.10	18.87	19.35	18.40
13	16.75	16.51	23.45	18.71	18.04	20.34	18.73	19.76	18.41	18.07	19.26	18.39
14	17.13	16.37	22.26	18.15	18.41	20.03	18.69	19.94	18.94	18.59	18.87	18.39
15	17.23	16.56	21.51	17.84	19.94	19.85	18.62	20.20	18.70	18.90	18.70	18.36
16	16.76	16.40	23.26	18.85	22.46	19.65	18.42	20.01	17.37	18.74	18.27	18.33
17	16.36	16.46	23.81	21.82	22.65	20.02	18.24	19.59	18.08	18.57	17.98	18.33
18	16.15	16.50	24.24	26.12	21.76	24.11	18.24	19.30	18.87	18.52	18.17	18.35
19	16.11	16.47	25.15	27.30	19.98	24.74	18.25	18.91	18.67	18.41	18.25	18.27
20	16.38	16.91	25.28	27.57	19.31	24.93	18.26	18.80	18.39	18.26	18.29	18.14
21	16.60	17.54	25.05	27.68	22.04	25.00	18.38	18.70	18.28	18.02	18.25	18.07
22	16.44	17.41	24.67	28.00	24.01	25.00	18.43	18.60	18.35	17.96	18.27	18.18
23	16.32	18.30	25.47	28.01	24.48	25.18	18.43	18.63	18.19	18.12	18.25	18.25
24	17.51	24.17	25.93	27.94	24.61	25.99	18.41	19.04	17.97	18.38	18.22	18.27
25	17.77	26.77	26.18	27.80	25.10	25.95	18.37	19.10	18.05	18.52	18.30	18.28
26	17.07	27.67	26.03	27.50	25.91	25.73	18.38	18.71	18.24	18.43	18.25	18.27
27	16.33	27.93	25.67	27.13	26.57	25.14	18.31	18.13	18.34	18.07	18.30	18.27
28	16.48	27.89	25.18	26.68	26.97	24.21	18.25	19.44	18.37	17.90	18.33	18.28
29	16.56	27.72	24.59	26.18	---	23.18	18.22	19.01	18.34	17.88	18.34	18.27
30	16.48	27.51	23.83	25.64	---	22.12	18.20	18.61	18.32	17.81	18.41	18.14
31	16.34	---	22.78	25.01	---	20.88	---	18.33	---	17.75	18.37	---
MAX	17.77	27.93	27.28	28.01	26.97	27.02	19.88	20.20	18.94	20.77	19.35	18.40
MIN	16.05	16.05	21.51	17.84	18.04	19.65	18.20	18.13	17.37	17.75	17.73	18.07

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE 1/4 sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 mi². See REMARKS.

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaisses diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Estimated daily discharges: Dec. 22-23, Jan. 19, Jan. 22-27, Mar. 22-30, and Apr. 27 to May 4. Records good except for period of estimated discharge, which are fair. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into 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.--44 years, 432 ft³/s, 313,000 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, 3,690 ft³/s Jan. 20, gage height, 18.66 ft; minimum daily discharge, 36 ft³/s Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	57	1400	971	959	1630	626	120	178	146	96	84
2	38	55	1300	887	876	1590	644	115	178	145	107	83
3	44	54	1200	807	805	1520	651	110	160	193	113	82
4	50	64	1150	771	734	1470	663	115	153	234	102	75
5	55	431	1100	992	643	1400	582	145	225	206	91	69
6	57	562	1000	832	497	1310	420	273	257	160	88	64
7	58	535	950	787	379	1230	319	322	223	157	81	63
8	64	461	900	721	316	1320	276	266	192	245	93	63
9	68	474	895	634	271	1280	253	238	180	514	102	63
10	66	504	1180	497	226	1160	225	487	152	541	104	64
11	63	427	1140	408	189	1070	194	477	115	461	104	77
12	66	325	1010	355	163	987	182	492	106	364	1070	85
13	126	203	887	297	149	904	172	560	190	278	1340	137
14	255	118	808	249	144	825	164	923	519	219	965	134
15	256	76	761	219	379	747	161	910	563	177	835	102
16	190	56	973	189	777	649	162	830	519	146	785	84
17	124	54	961	178	686	507	168	866	394	124	710	76
18	85	55	751	243	627	488	172	899	285	111	597	80
19	68	55	1150	1800	496	503	174	903	283	106	451	88
20	55	59	1150	3620	473	546	176	869	273	99	338	105
21	50	56	1050	2980	896	601	196	810	297	94	266	111
22	52	84	950	2700	1270	640	227	732	326	91	211	99
23	60	912	1350	2400	1150	680	227	622	349	98	185	83
24	102	1910	2040	2150	1150	720	197	592	286	210	143	74
25	246	1850	1640	1900	1300	750	174	522	294	217	116	66
26	263	1720	1410	1700	1710	720	152	375	392	154	102	61
27	195	1600	1320	1500	1640	690	144	267	322	117	92	57
28	122	1580	1270	1360	1630	650	138	210	240	105	93	53
29	82	1570	1210	1270	---	620	130	179	185	101	97	51
30	67	1500	1140	1160	---	600	125	190	160	98	97	49
31	60	---	1060	1050	---	590	---	174	---	95	90	---
TOTAL	3123	17407	35106	35627	20535	28397	8094	14593	7996	6006	9664	2382
MEAN	101	580	1132	1149	733	916	270	471	267	194	312	79.4
MAX	263	1910	2040	3620	1710	1630	663	923	563	541	1340	137
MIN	36	54	751	178	144	488	125	110	106	91	81	49
AC-FT	6190	34530	69630	70670	40730	56330	16050	28950	15860	11910	19170	4720
CAL YR 1986	TOTAL 109694		MEAN 301	MAX 2040	MIN 36	AC-FT 217600						
WTR YR 1987	TOTAL 188930		MEAN 518	MAX 3620	MIN 36	AC-FT 374700						

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	2.65	11.86	9.43	9.37	12.53	7.56	---	3.67	3.37	2.89	2.85
2	2.43	2.62	11.60	9.01	8.96	12.08	7.66	---	3.67	3.37	2.99	2.85
3	2.52	2.61	11.28	8.60	8.58	11.83	7.70	---	3.51	3.81	3.06	2.84
4	2.59	2.72	10.88	8.48	8.19	11.62	7.77	---	3.44	4.20	2.94	2.76
5	2.66	6.01	10.45	9.69	7.64	11.35	7.20	3.50	4.12	3.93	2.83	2.70
6	2.68	7.10	10.00	8.91	6.56	10.97	5.90	4.58	4.43	3.50	2.81	2.65
7	2.69	6.90	9.54	8.49	5.58	10.65	5.04	5.05	4.08	3.48	2.74	2.63
8	2.75	6.31	9.07	8.12	5.07	11.08	4.65	4.52	3.80	4.30	2.86	2.64
9	2.80	6.42	9.05	7.59	4.65	10.87	4.42	4.23	3.69	6.67	2.96	2.64
10	2.78	6.65	11.23	6.57	4.21	10.32	4.14	6.44	3.43	6.89	2.99	2.66
11	2.74	6.04	10.75	5.84	3.86	9.92	3.85	6.37	3.07	6.23	2.98	2.81
12	2.78	5.21	9.62	5.41	3.62	9.51	3.73	6.49	2.98	5.40	10.49	2.90
13	3.39	4.09	9.01	4.92	3.49	9.10	3.63	7.03	3.78	4.63	12.86	3.42
14	4.61	3.28	8.60	4.47	3.45	8.69	3.56	9.16	6.70	4.06	9.83	3.39
15	4.63	2.85	8.40	4.17	5.39	8.26	3.53	9.13	7.07	3.66	8.74	3.08
16	3.99	2.61	9.89	3.90	8.43	7.68	3.54	8.72	6.71	3.38	8.47	2.90
17	3.37	2.59	9.38	3.79	7.92	6.63	3.59	8.91	5.66	3.16	8.05	2.81
18	2.98	2.60	9.22	4.40	7.54	6.48	3.63	9.07	4.70	3.03	7.33	2.86
19	2.79	2.60	10.87	14.17	6.55	6.59	3.65	9.09	4.66	2.98	6.16	2.95
20	2.64	2.66	10.29	18.15	6.30	6.94	3.67	8.92	4.59	2.91	5.22	3.12
21	2.57	2.62	9.81	16.23	9.31	7.37	3.85	8.61	4.82	2.86	4.57	3.19
22	2.60	2.88	9.59	---	11.44	---	4.13	8.18	5.08	2.83	4.04	3.07
23	2.69	9.14	11.46	---	10.51	---	4.13	7.49	5.27	2.90	3.80	2.91
24	3.14	17.08	14.07	---	10.39	---	3.86	7.29	4.71	3.98	3.41	2.81
25	4.52	18.21	12.29	---	11.32	---	3.64	6.73	4.77	4.03	3.16	2.72
26	4.67	16.95	11.39	---	14.44	---	3.44	5.49	5.63	3.44	3.01	2.67
27	4.03	14.97	11.03	---	14.13	---	3.37	4.53	5.03	3.09	2.92	2.63
28	3.34	13.37	10.80	11.16	13.26	---	3.31	3.97	4.25	2.97	2.93	2.58
29	2.93	12.62	10.54	10.79	---	---	---	3.68	3.73	2.94	2.97	2.56
30	2.77	12.16	10.22	10.33	---	---	---	3.79	3.51	2.91	2.99	2.54
31	2.69	---	9.85	9.83	---	---	---	3.64	---	2.87	2.92	---
MAX	4.67	18.21	14.07	18.15	14.44	12.53	7.77	9.16	7.07	6.89	12.86	3.42
MIN	2.41	2.59	8.40	3.79	3.45	---	---	---	2.98	2.83	2.74	2.54

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, 17.55 ft Jan. 24, minimum, 10.22 ft Oct. 11, 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.50	12.03	16.50	16.34	16.76	17.15	16.18	11.91	---	12.33	11.45	12.43
2	10.48	12.00	16.46	16.15	16.58	17.18	15.99	11.86	---	12.37	11.38	12.30
3	10.44	11.96	16.39	15.94	16.42	17.21	15.79	11.80	---	12.38	11.32	12.17
4	10.39	11.91	16.26	15.98	16.24	17.19	15.58	11.73	---	12.39	11.25	12.05
5	10.35	12.25	16.11	15.95	16.09	17.13	15.36	11.78	---	12.40	11.20	11.94
6	10.38	13.64	15.94	15.90	15.94	17.07	15.14	11.81	---	12.35	11.19	11.85
7	10.33	13.71	15.76	15.79	15.86	16.95	14.93	11.81	---	12.33	11.27	11.76
8	10.29	13.56	15.56	15.63	15.68	16.86	14.70	11.78	---	12.27	11.36	11.69
9	10.26	13.51	15.35	15.43	15.46	16.77	14.46	11.79	---	12.34	11.35	11.64
10	10.26	13.42	15.28	15.25	15.19	16.66	14.22	11.99	---	12.43	11.41	11.60
11	10.23	13.20	15.47	15.05	14.92	16.52	13.98	---	11.90	12.80	11.93	11.55
12	10.22	13.00	15.59	14.85	14.73	16.38	13.81	---	12.00	12.95	12.55	11.50
13	10.33	12.96	15.65	14.62	14.47	16.20	13.58	---	12.62	12.95	13.46	11.45
14	10.44	12.79	15.65	14.47	14.22	15.98	13.44	---	13.58	12.74	14.03	11.40
15	10.53	12.63	15.61	14.32	14.04	15.78	13.28	---	13.94	12.58	14.18	11.34
16	10.61	12.49	15.83	14.25	15.08	15.59	13.16	---	14.16	12.45	14.29	11.30
17	10.69	12.40	15.95	14.72	15.30	15.43	13.04	---	13.95	12.34	14.35	11.26
18	10.70	12.28	16.01	16.02	15.42	15.88	12.93	---	13.76	12.25	14.30	11.28
19	10.71	12.19	16.32	16.66	15.34	16.22	12.82	---	13.60	12.17	14.12	11.30
20	10.70	12.18	16.46	16.86	15.13	16.34	12.71	---	13.44	12.27	13.86	11.34
21	10.67	12.22	16.49	17.08	15.32	16.40	12.62	---	13.27	12.19	13.60	11.31
22	10.63	12.28	16.48	17.35	15.80	16.39	12.54	---	13.14	12.10	13.33	11.25
23	10.63	12.54	16.79	17.44	15.99	16.33	12.47	---	13.05	12.08	13.13	11.21
24	10.76	12.98	16.92	17.48	16.16	16.78	12.38	---	12.90	12.00	12.93	11.17
25	11.15	15.45	16.96	17.52	16.40	16.91	12.29	---	12.76	11.93	12.77	11.13
26	11.83	15.98	16.95	17.49	16.65	16.90	12.21	---	12.63	11.86	12.62	11.09
27	12.25	16.21	16.92	17.43	16.82	16.85	12.12	---	12.50	11.84	12.50	11.06
28	12.26	16.33	16.87	17.34	17.05	16.77	12.07	---	12.38	11.79	12.37	11.03
29	12.23	16.42	16.78	17.23	---	16.64	11.99	---	12.29	11.72	12.26	11.00
30	12.15	16.49	16.66	17.11	---	16.49	11.96	---	12.24	11.62	12.51	10.98
31	12.07	---	16.51	16.95	---	16.34	---	---	---	11.53	12.48	---
MAX	12.26	16.49	16.96	17.52	17.05	17.21	16.18	---	14.16	12.95	14.35	12.43
MIN	10.22	11.91	15.28	14.25	14.04	15.43	11.96	---	---	11.53	11.19	10.98

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 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 31...	0800	376	7.68	30	37	<1	8.1	4.1	19	K900	K85
DEC 09...	0840	104	7.22	80	50	<1	6.7	2.2	28	900	120
JAN 15...	0845	171	7.40	80	55	<1	8.8	2.1	37	1200	190
FEB 19...	0840	106	7.13	—	—	<1	7.6	2.5	45	2100	550
MAR 18...	0855	141	7.24	100	100	<1	7.2	3.2	96	16000	K5000
APR 17...	0730	351	7.70	20	12	<1	9.4	6.0	52	K380	88
MAY 21...	0730	140	7.14	120	90	<1	4.5	3.7	33	K400	60
JUN 15...	0730	299	7.43	70	85	<1	8.7	7.4	73	2200	400
JUL 16...	0700	471	7.76	20	55	<1	6.5	2.7	21	1600	450
AUG 11...	0710	438	7.45	10	28	<1	4.2	4.3	46	1000	250
SEP 09...	0815	481	8.12	15	12	<1	7.4	1.5	—	240	150

DATE	HARDNESS MG/L AS CaCO3	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 31...	130	33	11	22	4.5	98	32	34	—	0.03	0.95	1.1
DEC 09...	43	9.5	4.7	3.5	3.2	39	4.0	3.8	23	0.02	0.06	1.3
JAN 15...	71	16	7.5	7.5	2.1	66	8.4	8.2	19	0.03	0.12	0.58
FEB 19...	62	14	6.5	6.0	2.7	40	5.8	5.3	164	0.05	0.18	0.77
MAR 18...	60	14	6.0	6.2	2.8	56	5.0	5.5	291	0.04	0.17	0.78
APR 17...	150	34	16	16	2.8	143	13	18	37	0.01	0.03	0.42
MAY 21...	64	15	6.5	5.4	3.4	59	7.4	4.9	146	0.12	0.75	0.67
JUN 15...	110	26	10	16	3.9	102	14	16	111	0.10	1.3	0.36
JUL 16...	160	40	15	36	4.0	100	65	49	72	0.04	0.84	0.36
AUG 11...	160	39	14	27	3.9	138	33	36	50	0.01	0.26	0.51
SEP 09...	170	43	15	32	4.5	131	52	35	23	—	—	—

< 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 1986 TO SEPTEMBER 1987

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 31...	0.23	—	—	—	—	—	—	—	—	—	—	57
DEC 09...	0.32	2	2	<10	<10	1	1	<10	<1	10	8	420
JAN 15...	0.16	2	<1	<10	<10	1	1	<10	<1	10	5	140
FEB 19...	0.33	2	<1	<10	<10	10	1	10	<1	10	—	2000
MAR 18...	0.50	5	<1	<10	<10	10	1	10	<1	10	3	90
APR 17...	0.15	1	1	<10	<10	<1	<1	<10	<1	6	3	16
MAY 21...	0.43	6	3	<10	<10	<1	<1	<10	<1	10	5	20
JUN 15...	0.26	3	2	<10	<10	1	1	<10	<1	7	4	40
JUL 16...	0.21	3	2	<10	<10	<1	1	<10	<1	7	6	8
AUG 11...	0.21	4	3	<10	—	<1	<1	<10	<1	4	4	<8
SEP 09...	—	—	—	—	—	—	—	—	<1	—	—	<8

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	—	—	—	—	—	—	—	—	—	—	—	5.7
DEC 09...	<5	<5	<0.1	<0.1	2	1	<1	<1	4	20	10	12
JAN 15...	5	<5	<0.1	<0.1	6	<1	<1	<1	<3	130	70	6.5
FEB 19...	8	<5	<0.1	<0.1	8	3	<1	<1	<6	30	—	10
MAR 18...	10	<5	<0.1	0.2	10	2	<1	<1	<4	30	10	10
APR 17...	7	<5	<0.1	<0.1	3	<1	<1	<1	<12	<10	<10	8.2
MAY 21...	8	<5	<0.1	<0.1	9	4	<1	<1	<10	30	<10	8.5
JUN 15...	<5	<5	<0.1	<0.1	4	2	<1	<1	<3	10	10	8.5
JUL 16...	<5	<5	<0.1	<0.1	1	<1	<1	<1	<3	10	<10	4.8
AUG 11...	<5	<5	<0.1	<0.1	2	2	<1	<1	3	20	10	7.8
SEP 09...	—	—	—	—	—	—	—	—	<20	—	—	—

< 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 1986 TO SEPTEMBER 1987

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
OCT 31...	<0.02	<1	<1	2.4	0.3	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001
DEC 09...	<0.02	5	1	1.1	<0.1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001
JAN 15...	<0.02	<1	1	1.9	0.1	<0.1	<1	<0.01	<0.01	<0.01	<0.01
FEB 19...	<0.02	9	3	—	—	<0.1	<1	<0.01	<0.01	<0.01	<0.01
MAR 18...	<0.02	2	2	2.8	0.3	<0.1	<1	<0.01	<0.01	<0.01	<0.01
APR 17...	<0.02	3	2	16	2.7	<0.1	<1	<0.01	<0.01	<0.01	<0.01
MAY 21...	<0.02	3	2	2.7	0.3	<0.1	<1	<0.01	<0.01	<0.01	<0.01
JUN 15...	<0.02	2	3	11	0.3	<0.1	<1	<0.01	<0.01	<0.01	<0.01
JUL 16...	<0.02	<1	2	5.5	0.5	<0.1	<1	<0.01	<0.01	<0.01	<0.01
AUG 11...	<0.02	2	<1	5.2	0.8	<0.1	<1	<0.01	<0.01	<0.01	<0.01
SEP 09...	—	2	2	14	0.8	<0.1	<1	<0.01	<0.01	<0.01	<0.01

DATE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 31...	<0.001	0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01
DEC 09...	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01
JAN 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 18...	<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 21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01
JUL 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 11...	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SEP 09...	<0.01	<0.01	<0.01	<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.

MISSISSIPPI RIVER DELTA

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303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 31...	0.05	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.04	<0.01	<0.01	<0.01
DEC 09...	<0.01	<0.01	<0.01	<0.01	<0.1	<1	<0.01	0.03	<0.01	<0.01	<0.01
JAN 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	0.4	0.1
FEB 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
MAR 18...	0.06	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	0.8	<0.1	<0.1	0.2
APR 17...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
MAY 21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
JUN 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	0.9	0.4	<0.1	<0.1
JUL 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	0.1
AUG 11...	0.03	<0.01	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1
SEP 09...	0.02	0.03	<0.01	<0.01	<0.01	<0.5	0.02	<0.1	<0.1	<0.1	<0.1

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

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 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 31...	0820	386	7.70	30	55	<1	6.7	2.5	22	K100	82
DEC 09...	0900	103	7.71	80	80	<1	6.4	1.9	40	1800	110
JAN 15...	0900	168	7.40	100	55	<1	8.7	3.2	41	9000	1400
FEB 19...	0900	126	7.19	—	—	<1	7.7	3.5	42	K9600	K1200
MAR 18...	0840	142	7.29	80	90	<1	7.4	3.5	82	K17000	K5500
APR 17...	0700	278	7.60	40	31	<1	5.5	2.7	54	550	K44
MAY 21...	0845	164	7.70	120	80	<1	5.7	5.3	48	1800	1200
JUN 15...	0750	490	8.34	40	25	<1	10.8	10	130	900	110
JUL 16...	0730	415	7.64	20	75	<1	5.2	3.8	38	1100	460
AUG 11...	0730	437	7.82	15	27	<1	4.0	3.4	34	820	290
SEP 09...	0835	491	7.85	15	24	<1	5.4	2.0	—	160	52

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 31...	130	34	11	26	4.4	100	37	35	64	0.03	1.0	1.1
DEC 09...	43	10	4.3	3.7	3.0	40	4.2	3.2	24	0.02	0.04	1.4
JAN 15...	68	15	7.3	6.3	2.9	65	8.2	7.3	11	0.03	0.13	0.53
FEB 19...	57	13	6.0	5.7	2.5	47	6.2	4.9	182	0.03	0.16	0.78
MAR 18...	60	14	6.0	5.5	2.2	57	6.2	5.1	225	0.04	0.18	0.78
APR 17...	120	27	12	12	2.4	96	11	12	71	0.02	0.13	0.46
MAY 21...	60	14	6.0	5.6	3.3	65	6.2	6.2	101	0.12	0.84	0.55
JUN 15...	150	38	14	30	6.9	105	38	39	69	0.04	0.72	0.39
JUL 16...	130	34	12	30	3.9	87	62	40	89	0.05	0.86	0.29
AUG 11...	150	34	15	29	3.9	134	34	36	54	0.01	0.26	0.47
SEP 09...	170	43	15	32	4.4	130	43	40	142	—	—	—

< 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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303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 31...	0.25	2	2	<10	<0.5	<1	<1	<10	<1	9	7	63
DEC 09...	0.30	2	1	<10	<10	<1	<1	<10	<1	9	6	400
JAN 15...	0.15	2	<1	<10	<10	2	2	<10	<1	10	9	200
FEB 19...	0.30	3	1	<10	<10	2	<1	<10	<1	8	6	580
MAR 18...	0.40	3	<1	<10	<10	1	1	10	<1	10	8	130
APR 17...	0.21	2	<1	<10	<10	<1	<1	<10	<1	10	6	10
MAY 21...	0.42	5	2	<10	<10	1	<1	<10	<1	9	4	60
JUN 15...	1.0	2	1	<10	<10	1	1	<10	<1	6	5	400
JUL 16...	0.47	4	2	<10	<10	<1	1	<10	<1	7	8	40
AUG 11...	0.21	5	3	<10	—	<1	<1	<10	<1	5	2	10
SEP 09...	—	—	—	—	—	—	—	—	<1	—	—	<8

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	5	<5	<0.1	<0.1	5	5	<1	<1	1	40	40	7.9
DEC 09...	<5	<5	<0.1	<0.1	4	<1	<1	<1	4	10	<10	13
JAN 15...	7	<5	<0.1	0.2	5	<1	<1	<1	<4	40	20	7.0
FEB 19...	<5	<5	<0.1	<0.1	8	3	<1	<1	8	30	20	11
MAR 18...	8	<5	0.2	<0.1	10	4	<1	<1	<4	40	10	11
APR 17...	8	<5	<0.1	<0.1	6	<1	<1	<1	1	10	<10	8.2
MAY 21...	7	<5	<0.1	<0.1	5	2	<1	<1	<1	20	<10	8.0
JUN 15...	<5	<5	<0.1	<0.1	5	1	<1	<1	<10	10	<10	35
JUL 16...	<5	<5	<0.1	<0.1	1	1	<1	<1	<10	20	10	6.0
AUG 11...	<5	<5	<0.1	<0.1	2	<1	<1	<1	3	20	10	7.0
SEP 09...	—	—	—	—	—	—	—	—	3	—	—	—

< 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 1986 TO SEPTEMBER 1987

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 31...	<0.01	—	<1	<0.1	<0.1	<0.001	<0.1	<0.001	<0.001	<0.001	0.01
DEC 09...	<0.02	<1	<1	<0.1	<0.1	<0.001	<0.1	<0.001	0.003	0.002	<0.01
JAN 15...	<0.02	<1	<1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 19...	<0.02	14	4	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 18...	<0.02	8	2	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
APR 17...	<0.02	2	2	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAY 21...	<0.02	3	2	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 15...	<0.02	6	12	<0.1	<1	<0.01	<0.01	<0.01	0.04	<0.01	<0.01
JUL 16...	<0.02	2	1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 11...	<0.02	6	<1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
SEP 09...	—	<1	1	<0.1	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

DATE	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 31...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.05	<0.01
DEC 09...	<0.001	<0.001	<0.001	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	<0.01	<0.01
JAN 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
FEB 19...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MAR 18...	<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 21...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUN 15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
JUL 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
AUG 11...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01
SEP 09...	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03

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

MISSISSIPPI RIVER DELTA

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303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA---Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 31...	<0.01	<0.01	<0.1	<1	<0.01	0.02	<0.01	<0.01	<0.01	4.4	0.7
DEC 09...	<0.01	<0.01	<0.1	<1	<0.01	0.05	<0.01	<0.01	<0.01	1.0	<0.1
JAN 15...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	0.5	<0.1	2.1	0.2
FEB 19...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	0.1	<0.1	<0.1	—	—
MAR 18...	<0.01	<0.01	<0.01	<0.5	<0.01	2.2	1.2	<0.1	<0.1	2.4	0.3
APR 17...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	35	5.2
MAY 21...	<0.01	<0.01	<0.01	<0.5	<0.01	<0.1	<0.1	<0.1	<0.1	44	2.2
JUN 15...	<0.01	<0.01	<0.01	<0.5	<0.01	1.0	0.9	0.5	0.2	—	—
JUL 16...	<0.01	<0.01	<0.01	<0.5	<0.01	1.0	2.0	0.3	0.3	3.6	0.4
AUG 11...	<0.01	<0.01	<0.01	<0.5	0.04	0.2	<0.1	<0.1	<0.1	5.6	0.8
SEP 09...	<0.01	0.02	<0.01	<0.5	0.02	<0.1	<0.1	<0.1	<0.1	10	0.8

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

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusillier.

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: Oct. 1-6, Jan. 9-16, Jan. 27 to Feb. 15, Feb. 21 to Apr. 7, and May 24 to June 9. Records fair. 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 Glaïses 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.--38 years, 848 ft³/s, 614,400 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, 2,380 ft³/s Jan. 18; maximum elevation, 19.23 ft Nov. 26; minimum discharge, 593 ft³/s Nov. 3, elevation, 12.13 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	929	631	1590	1120	1320	2100	1100	927	951	980	871	957
2	810	612	1450	1050	1280	1840	1040	928	924	971	869	936
3	694	596	1380	1060	1210	1660	1010	931	933	962	891	921
4	671	632	1340	1200	1120	1520	1040	938	944	959	913	926
5	694	1180	1300	1150	1030	1440	1040	957	955	960	929	935
6	722	1050	1260	1100	1010	1390	1030	960	989	957	943	940
7	665	819	1220	1030	969	1360	1000	961	1000	973	952	924
8	633	731	1160	955	903	1340	965	961	987	984	936	921
9	634	682	1090	969	868	1310	975	961	976	1150	925	939
10	658	661	1140	927	962	1270	973	961	906	1110	1030	942
11	699	791	1310	890	964	1210	969	961	900	1030	1090	950
12	735	870	1280	871	884	1150	965	962	904	943	1200	958
13	772	692	1220	962	875	1100	961	962	1030	845	1160	954
14	794	615	1140	905	938	1140	957	963	1340	938	1040	955
15	774	639	1210	839	1200	1140	949	961	1300	997	1010	953
16	724	634	1500	1070	1340	1130	935	963	925	993	956	978
17	669	633	1430	1450	1240	1160	911	969	882	975	894	971
18	628	642	1370	2040	1110	1650	912	971	1030	961	901	956
19	613	649	1510	1850	952	1620	923	975	1010	949	918	957
20	633	701	1440	1800	812	1480	927	976	968	946	929	933
21	671	788	1360	1890	1180	1400	945	978	934	911	927	905
22	673	813	1390	1860	1660	1340	958	980	936	896	932	910
23	657	869	1920	1730	1600	1410	962	980	920	913	932	923
24	826	1420	1900	1910	1500	1870	960	1230	889	931	927	930
25	835	1830	1760	1820	1670	1760	954	1240	881	961	935	933
26	745	1610	1600	1680	1900	1580	950	1140	905	978	939	933
27	647	1680	1450	1640	2100	1460	946	1000	929	949	941	933
28	647	1690	1350	1530	2150	1360	939	1160	936	893	951	935
29	669	1890	1290	1470	---	1280	933	1110	936	884	992	934
30	668	1760	1240	1420	---	1220	927	1050	949	877	998	926
31	649	---	1190	1360	---	1170	---	1000	---	871	980	---
TOTAL	21838	28810	42790	41548	34747	43860	29056	31016	29069	29647	29811	28168
MEAN	704	960	1380	1340	1241	1415	969	1001	969	956	962	939
MAX	929	1890	1920	2040	2150	2100	1100	1240	1340	1150	1200	978
MIN	613	596	1090	839	812	1100	911	927	881	845	869	905
AC-FT	43320	57140	84870	82410	68920	87000	57630	61520	57660	58800	59130	55870
CAL YR 1986	TOTAL 353168		MEAN 968		MAX 1920		MIN 596		AC-FT 700500			
WTR YR 1987	TOTAL 390360		MEAN 1069		MAX 2150		MIN 596		AC-FT 774300			

MISSISSIPPI RIVER DELTA

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07385500 BAYOU TECHE AT ARNAUDVILLE, LA--CONTINUED

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.31	16.36	14.43	---	---	---	13.60	---	13.83	13.36	13.73
2	---	12.22	15.81	14.11	---	---	---	13.61	---	13.79	13.35	13.64
3	---	12.15	15.51	14.18	---	---	---	13.62	---	13.75	13.45	13.58
4	---	12.31	15.32	14.74	---	---	---	13.65	---	13.74	13.55	13.60
5	---	14.65	15.17	14.54	---	---	---	13.73	---	13.75	13.61	13.64
6	---	14.11	15.00	14.32	---	---	---	13.74	---	13.73	13.67	13.66
7	12.46	13.13	14.83	14.05	---	---	---	13.75	---	13.80	13.71	13.59
8	12.31	12.75	14.60	13.73	---	---	13.77	13.75	---	13.85	13.64	13.58
9	12.32	12.53	14.30	---	---	---	13.81	13.75	---	14.55	13.59	13.66
10	12.43	12.44	14.51	---	---	---	13.80	13.75	13.52	14.40	14.04	13.67
11	12.61	13.01	15.19	---	---	---	13.78	13.75	13.49	14.04	14.31	13.70
12	12.76	13.36	15.08	---	---	---	13.77	13.76	13.50	13.67	14.75	13.74
13	12.92	12.57	14.83	---	---	---	13.75	13.75	14.05	13.24	14.57	13.72
14	13.02	12.23	14.50	---	---	---	13.73	13.76	15.35	13.65	14.07	13.72
15	12.93	12.34	14.81	---	---	---	13.70	13.75	15.16	13.90	13.95	13.72
16	12.72	12.32	15.99	---	15.36	---	13.64	13.76	13.59	13.89	13.73	13.82
17	12.47	12.31	15.73	15.79	14.93	---	13.54	13.78	13.41	13.81	13.46	13.79
18	12.29	12.36	15.48	18.10	14.37	---	13.54	13.79	14.05	13.75	13.49	13.73
19	12.22	12.39	16.04	18.90	13.71	---	13.59	13.81	13.96	13.70	13.57	13.73
20	12.31	12.62	15.77	18.62	13.10	---	13.60	13.81	13.78	13.69	13.61	13.63
21	12.48	12.99	15.42	18.32	---	---	13.68	13.82	13.63	13.54	13.60	13.51
22	12.49	13.10	15.56	18.74	---	---	13.74	13.83	13.64	13.47	13.63	13.53
23	12.42	13.35	17.67	18.26	---	---	13.75	13.83	13.58	13.54	13.63	13.59
24	13.16	15.70	17.59	17.63	---	---	13.75	---	13.44	13.62	13.61	13.62
25	13.20	18.90	17.03	17.27	---	---	13.72	---	13.41	13.75	13.64	13.63
26	12.81	19.20	16.39	16.72	---	---	13.70	---	13.51	13.82	13.66	13.63
27	12.38	18.95	15.78	---	---	---	13.69	---	13.61	13.70	13.67	13.63
28	12.38	18.43	15.38	---	---	---	13.65	---	13.64	13.46	13.71	13.64
29	12.48	17.74	15.14	---	---	---	13.63	---	13.64	13.42	13.88	13.64
30	12.47	17.05	14.93	---	---	---	13.61	---	13.70	13.39	13.91	13.60
31	12.39	---	14.71	---	---	---	---	---	---	13.36	13.83	---
MAX	13.20	19.20	17.67	18.90	---	---	13.81	---	15.35	14.55	14.75	13.82
MIN	---	12.15	14.30	---	---	---	---	13.60	---	13.24	13.35	13.51

07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°04'15", long 91°49'45", on line between lots 8 and 17, T.11 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080102, on right bank of concrete lock and dam, 3.5 mi south of St. Martinville, and 11 mi upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAUGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below National Geodetic Vertical Datum of 1929. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharge. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermillion 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 Vermillion River. Water from Irrigation is diverted through Ruth Canal (Station 07386700) into Vermillion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957.

AVERAGE DISCHARGE.--28 years, 489 ft³/s, 354,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s Sept. 5, 1973, maximum gage height, 16.15 ft Oct. 23, 1984; minimum discharge, no flow Aug. 10-29, 1962, June 12-16, 1963, July 24, 1964, July 21, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft May 27, 1927; minimum, 0.75 ft July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,630 ft³/s Jan. 21, gage height, 11.46 ft; minimum, 223 ft³/s Apr. 10, May 2, gage height, 10.04 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	419	311	884	577	641	1170	444	260	306	441	262	332
2	393	305	790	534	629	1040	311	263	274	382	248	304
3	324	291	726	612	584	928	275	275	266	336	253	294
4	286	294	682	694	540	831	260	299	271	313	264	294
5	296	493	654	606	501	755	272	312	279	301	279	302
6	307	588	624	565	477	713	273	337	291	318	334	307
7	308	473	595	531	474	696	259	347	302	447	372	302
8	299	380	564	488	425	682	256	339	302	456	348	294
9	295	345	534	444	386	593	267	327	305	518	318	298
10	299	309	532	419	392	587	266	325	294	498	530	304
11	308	348	622	392	427	573	269	327	301	450	550	330
12	383	379	630	367	408	537	284	321	405	398	510	293
13	487	345	600	387	382	499	289	377	694	332	495	259
14	431	256	562	422	390	487	305	360	1100	407	432	283
15	360	264	788	380	675	506	289	347	739	387	387	281
16	331	280	906	596	769	505	274	373	528	370	353	302
17	295	276	778	839	689	571	253	361	488	385	308	330
18	274	272	754	1070	608	939	252	335	529	360	280	311
19	267	288	795	1230	518	865	256	308	427	343	285	313
20	273	312	760	1230	448	792	260	305	382	338	289	293
21	294	350	709	1360	555	713	264	312	403	350	298	250
22	308	379	926	1390	910	664	274	309	393	344	298	245
23	317	405	1240	1220	894	664	267	335	324	316	291	247
24	414	838	1070	1130	866	893	261	399	305	318	289	256
25	430	1500	987	1090	921	923	263	471	323	340	289	261
26	378	1320	900	977	1150	840	263	453	290	388	299	264
27	324	1250	812	877	1150	751	262	359	283	350	304	276
28	294	1180	733	803	1330	679	261	361	290	286	316	276
29	302	1090	683	746	---	637	254	409	298	269	483	278
30	314	978	648	717	---	578	259	396	318	267	410	273
31	315	---	615	676	---	543	---	346	---	257	383	---
TOTAL	10325	16099	23103	23369	18139	22154	8242	10648	11710	11265	10757	8652
MEAN	333	537	745	754	648	715	275	343	390	363	347	288
MAX	487	1500	1240	1390	1330	1170	444	471	1100	518	550	332
MIN	267	256	532	367	382	487	252	260	266	257	248	245
AC-FT	20480	31930	45820	46350	35980	43940	16350	21120	23230	22340	21340	17160
CAL YR 1986	TOTAL 138917		MEAN 381		MAX 1500		MIN 139		AC-FT 275500			
WTR YR 1987	TOTAL 174463		MEAN 478		MAX 1500		MIN 245		AC-FT 346000			

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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.32	10.17	10.83	10.50	10.57	11.09	10.34	10.10	10.17	10.34	10.10	10.20
2	10.28	10.16	10.73	10.45	10.56	10.98	10.17	10.10	10.12	10.27	10.08	10.16
3	10.19	10.15	10.67	10.54	10.51	10.87	10.12	10.12	10.11	10.21	10.09	10.15
4	10.14	10.15	10.62	10.63	10.46	10.77	10.10	10.16	10.12	10.18	10.10	10.15
5	10.15	10.40	10.59	10.54	10.41	10.69	10.12	10.18	10.13	10.16	10.13	10.16
6	10.17	10.52	10.56	10.49	10.39	10.65	10.12	10.21	10.15	10.18	10.20	10.17
7	10.17	10.38	10.52	10.45	10.38	10.63	10.10	10.22	10.16	10.35	10.26	10.16
8	10.16	10.27	10.49	10.40	10.32	10.62	10.09	10.21	10.16	10.36	10.22	10.15
9	10.15	10.22	10.45	10.35	10.27	10.52	10.11	10.20	10.17	10.43	10.18	10.16
10	10.16	10.17	10.45	10.32	10.28	10.51	10.11	10.19	10.15	10.41	10.44	10.16
11	10.17	10.22	10.55	10.28	10.32	10.50	10.11	10.20	10.16	10.35	10.47	10.20
12	10.27	10.26	10.56	10.25	10.30	10.46	10.14	10.19	10.29	10.29	10.42	10.15
13	10.39	10.22	10.53	10.27	10.27	10.41	10.14	10.26	10.59	10.20	10.41	10.10
14	10.33	10.09	10.49	10.32	10.28	10.40	10.17	10.24	11.02	10.30	10.33	10.13
15	10.24	10.10	10.72	10.27	10.60	10.42	10.14	10.22	10.68	10.27	10.28	10.13
16	10.20	10.13	10.85	10.52	10.71	10.42	10.12	10.26	10.44	10.25	10.23	10.16
17	10.15	10.12	10.72	10.78	10.63	10.48	10.09	10.24	10.39	10.27	10.17	10.20
18	10.12	10.12	10.69	11.00	10.54	10.88	10.09	10.21	10.45	10.24	10.13	10.17
19	10.11	10.14	10.74	11.14	10.43	10.81	10.09	10.17	10.33	10.22	10.14	10.18
20	10.12	10.17	10.70	11.14	10.35	10.73	10.10	10.16	10.27	10.21	10.14	10.15
21	10.15	10.23	10.65	11.25	10.47	10.65	10.11	10.18	10.29	10.23	10.15	10.08
22	10.17	10.26	10.85	11.28	10.85	10.60	10.12	10.17	10.28	10.22	10.16	10.08
23	10.18	10.30	11.15	11.14	10.84	10.60	10.11	10.21	10.19	10.18	10.15	10.08
24	10.31	10.74	11.00	11.06	10.81	10.83	10.10	10.29	10.17	10.18	10.14	10.09
25	10.33	11.36	10.93	11.02	10.86	10.86	10.10	10.38	10.19	10.21	10.14	10.10
26	10.26	11.22	10.84	10.92	11.08	10.78	10.10	10.36	10.14	10.28	10.16	10.11
27	10.19	11.16	10.75	10.82	11.08	10.69	10.10	10.24	10.13	10.23	10.16	10.12
28	10.15	11.10	10.67	10.74	11.22	10.61	10.10	10.24	10.14	10.14	10.18	10.12
29	10.16	11.02	10.62	10.69	---	10.57	10.09	10.30	10.16	10.11	10.39	10.13
30	10.18	10.92	10.58	10.66	---	10.50	10.10	10.29	10.18	10.11	10.30	10.12
31	10.18	---	10.55	10.61	---	10.46	---	10.22	---	10.10	10.27	---
MAX	10.39	11.36	11.15	11.28	11.22	11.09	10.34	10.38	11.02	10.43	10.47	10.20
MIN	10.11	10.09	10.45	10.25	10.27	10.40	10.09	10.10	10.11	10.10	10.08	10.08

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK, 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 1986 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/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 22...	0930	308	235	7.34	19.5	80	19	6.1	1.5	100	—
JAN 06...	1300	566	114	7.14	11.0	80	70	8.1	2.8	750	12000
MAY 22...	1300	273	152	7.13	30.0	80	58	5.4	2.6	K45	270
JUL 16...	0945	375	132	7.38	29.0	100	52	5.3	4.4	220	270

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT 22...	63	16	5.6	20	4.2	57	17	25	0.1	13	150
JAN 06...	33	7.7	3.4	8.7	2.5	34	13	11	<0.1	9.0	84
MAY 22...	35	8.6	3.3	14	2.7	27	8.0	16	0.1	8.4	91
JUL 16...	36	9.3	3.2	10	3.1	40	7.4	11	0.4	9.9	89

DATE	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)
OCT 22...	140	0.55	0.05	0.06	0.7	0.23	0.18	0.16	130	2	54
JAN 06...	77	0.12	0.17	0.12	0.9	0.22	0.16	0.15	290	1	34
MAY 22...	78	0.44	0.19	0.18	1.4	0.29	0.17	0.13	170	2	44
JUL 16...	80	0.28	0.21	0.19	1.6	0.35	0.24	0.17	130	3	40

< 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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07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

(UG/L)	DATE	BERYL- LIUM, DIS- SOLVED (UG/L)	CADMIUM DIS- SOLVED (UG/L)	CHRO- MIUM, DIS- SOLVED HEADER5	COBALT, DIS- SOLVED (UG/L)	COPPER, DIS- SOLVED (UG/L)	IRON, DIS- SOLVED (UG/L)	LEAD, DIS- SOLVED (UG/L)	LITHIUM DIS- SOLVED (UG/L)	MANGA- NESE, DIS- SOLVED (UG/L)	MERCURY DIS- SOLVED (UG/L)
		AS BE)	AS CD)	AS CR)	AS CO)	AS CU)	AS FE)	AS PB)	AS LI)	AS MN)	AS HG)
	OCT 22...	<0.5	<1	<1	<3	—	180	11	<4	42	0.2
	JAN 06...	<0.5	<1	<1	<3	5	230	<5	<4	31	0.2
	MAY 22...	<0.5	<1	<1	<3	6	200	<5	<4	3	<0.1
	JUL 16...	<0.5	2	<1	<3	—	270	5	<4	47	<0.1

	DATE	MOLYB- DENUM, DIS- SOLVED (UG/L)	NICKEL, DIS- SOLVED (UG/L)	SELE- NIUM, DIS- SOLVED (UG/L)	SILVER, DIS- SOLVED (UG/L)	STRON- TIUM, DIS- SOLVED (UG/L)	VANA- DIUM, DIS- SOLVED (UG/L)	ZINC, DIS- SOLVED (UG/L)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
		AS MO)	AS NI)	AS SE)	AS AG)	AS SR)	AS V)	AS ZN)			
	OCT 22...	<10	<1	<1	<1	80	<6	9	26	22	88
	JAN 06...	<10	2	<1	<1	38	<6	7	37	57	100
	MAY 22...	<10	<1	<1	<1	46	<6	10	—	—	—
	JUL 16...	<10	8	<1	<1	49	<6	20	35	35	98

< 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.--Estimated daily discharges: Oct. 4-6, and Jan. 10-13. Records poor. No gage height record Oct. 4-6, Oct. 21 to Nov. 6, Nov. 23 to Dec. 5, and Jan. 10-13. No velocity record Oct. 1-4, Oct. 21 to Nov. 6, Nov. 23 to Dec. 5, and Jan. 10-13.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge (recorded), 1,770 ft³/s Oct. 28, 1985; maximum gage height, 4.19 ft Oct. 29, 1985; minimum discharge (recorded), -1,340 ft³/s Feb. 27, 1987; minimum gage height (recorded), 0.16 ft Oct. 1, 1984.

EXTREMES FOR CURRENT YEAR.--Maximum discharge (recorded), 1,510 ft³/s Feb. 26; gage height 3.17 ft June 13; minimum discharge (recorded), -1,340 ft³/s Feb. 27; minimum gage height, 0.25 ft Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-88	---	---	-155	-292	-1070	-523	-544	-411	-316	-405	-128
2	-95	---	---	-157	-313	-726	-680	-206	-436	-391	-381	-146
3	-104	---	---	-552	-219	-617	-728	-304	-519	-307	-361	-156
4	-200	---	---	-244	-231	-576	-621	-352	-518	-328	-333	-180
5	-240	---	---	-210	-342	-116	-704	-436	-520	-325	-338	-213
6	-200	---	-137	-260	-373	-311	-766	-371	-602	-343	-305	-235
7	-152	-100	-195	-158	-474	-142	-732	-528	-643	-304	-273	-230
8	-1	-153	-120	-423	-471	-293	-608	-618	-609	-366	-291	-213
9	-58	-245	-149	-619	-687	-369	-637	-608	-497	-336	-278	-185
10	-179	-223	-502	-520	-810	-458	-511	-566	-45	-254	-160	-232
11	56	-192	-320	-420	-560	-568	-627	-631	-138	-214	-173	-295
12	67	-251	-529	-540	-569	-543	-521	-320	-421	-299	-41	-231
13	-133	-490	-228	-410	-594	-597	21	-333	-183	-364	-11	-216
14	-248	-321	-266	-210	-543	-486	-586	-241	-540	-410	-65	-191
15	-151	-206	-352	49	-317	-272	-563	-461	-498	-457	-111	-176
16	-188	-149	-361	-278	-587	-357	-608	-592	-502	-472	-129	-192
17	-76	-111	-307	-494	-503	23	-302	-512	-363	-494	-141	-179
18	-151	-121	-281	-315	-618	-336	-490	-624	-239	-457	-149	-107
19	-129	-62	-272	-343	-631	-470	-463	-536	-350	-473	-178	-111
20	-83	-298	-219	-428	-540	-339	-293	-597	-305	-458	-201	-75
21	---	-26	-256	-30	-551	-550	-430	-587	-335	-495	-172	-118
22	---	-69	-274	-27	-600	-286	-534	-528	-367	-497	-158	-91
23	---	---	-696	-397	-564	-194	-437	-483	-376	-542	-181	-103
24	---	---	-500	-219	-403	-490	-608	-487	-325	-539	-215	-192
25	---	---	-226	-259	-508	-402	-607	-438	-320	-533	-237	-221
26	---	---	-299	-253	-194	-337	-603	-445	-428	-522	-204	-187
27	---	---	-319	-56	-1000	-458	-596	-425	-399	-528	-167	-227
28	---	---	-122	-178	-464	-460	-606	-499	-477	-465	-140	-215
29	---	---	-300	-301	---	-434	-489	-406	-483	-611	-126	-180
30	---	---	-251	-310	---	-746	-555	-393	-443	-539	-173	-152
31	---	---	-313	-252	---	-592	---	-433	---	-410	-123	---
TOTAL	---	---	---	-8969	-13958	-13572	-16407	-14504	-12292	-13049	-6220	-5377
MEAN	---	---	---	-289	-498	-438	-547	-468	-410	-421	-201	-179
MAX	---	---	---	49	-194	23	21	-206	-45	-214	-11	-75
MIN	---	---	---	-619	-1000	-1070	-766	-631	-643	-611	-405	-295

MISSISSIPPI RIVER DELTA

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07385800 BAYOU TECHE AT FRANKLIN, LA--CONTINUED

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	---	---	1.60	1.70	2.26	1.48	1.30	1.76	1.80	1.13	1.24
2	2.31	---	---	1.47	1.58	2.02	1.57	1.55	1.68	1.74	1.03	1.26
3	2.48	---	---	1.94	1.29	1.91	1.20	1.76	1.59	1.76	1.10	1.21
4	---	---	---	1.62	1.43	1.68	1.22	1.65	1.47	1.65	1.21	1.30
5	---	---	---	1.29	1.34	1.72	1.30	1.52	1.22	1.64	1.31	1.62
6	---	---	1.49	1.50	1.33	1.69	1.33	1.32	1.30	1.82	1.35	1.66
7	1.47	1.97	1.57	1.36	.98	1.70	1.33	1.18	1.67	1.84	1.35	1.50
8	1.76	1.95	1.61	1.29	.97	1.81	1.25	1.28	2.00	1.98	1.49	1.38
9	1.97	1.81	1.74	1.61	.99	1.57	1.16	1.33	2.14	1.90	1.72	1.20
10	1.79	1.58	1.22	---	1.35	1.45	1.20	1.33	2.09	1.95	2.22	1.29
11	1.95	1.70	1.16	---	1.15	1.20	1.36	1.47	2.15	1.94	1.96	1.51
12	2.14	1.37	1.25	---	1.21	1.21	1.61	1.47	2.33	1.89	1.62	1.25
13	2.22	.80	.94	---	1.14	1.26	2.06	1.52	2.51	1.76	1.38	1.32
14	1.91	1.21	1.36	1.32	1.28	1.44	1.95	1.57	2.79	1.40	1.21	1.30
15	1.74	1.53	1.40	1.57	1.82	1.62	1.68	1.36	2.59	1.24	1.11	1.35
16	1.35	1.82	1.90	1.68	1.63	1.77	1.30	1.24	2.51	1.27	1.17	1.69
17	1.51	1.82	1.86	1.69	1.24	2.27	1.32	1.43	2.36	1.36	1.14	1.70
18	1.54	1.84	1.75	2.13	.98	2.55	1.36	1.55	2.69	1.41	1.07	1.69
19	1.55	1.78	1.70	1.55	.96	2.41	1.30	1.53	2.38	1.45	.98	1.52
20	1.75	1.72	1.64	1.46	1.22	2.36	1.22	1.53	2.32	1.69	.91	1.20
21	---	1.52	1.56	1.70	1.20	2.32	1.24	1.54	2.23	1.70	.96	1.41
22	---	1.84	1.88	1.79	1.34	2.28	1.03	1.48	2.12	1.80	.82	1.28
23	---	---	2.47	1.55	1.21	2.49	.94	1.38	2.06	1.91	1.01	.99
24	---	---	2.17	1.87	1.58	2.53	.98	1.53	1.92	1.92	1.14	1.30
25	---	---	2.15	1.94	1.56	2.37	.89	1.76	1.77	1.85	1.37	1.36
26	---	---	2.14	1.46	2.00	2.39	1.02	1.90	1.50	1.71	1.46	1.42
27	---	---	2.05	1.56	2.55	2.40	1.03	2.14	1.20	1.57	1.33	1.59
28	---	---	1.89	1.62	2.64	2.28	1.02	2.24	1.55	1.44	1.16	1.62
29	---	---	1.93	1.68	---	2.28	1.00	2.21	1.82	1.44	1.09	1.42
30	---	---	1.87	1.63	---	1.76	1.22	2.10	1.86	1.32	1.17	.70
31	---	---	1.74	1.46	---	1.26	---	1.90	---	1.15	1.23	---
MAX	---	---	2.47	---	2.64	2.55	2.06	2.24	2.79	1.98	2.22	1.70
MIN	---	---	---	---	.96	1.20	.89	1.18	1.20	1.15	.82	.70

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 lot 45 T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

PERIOD OF RECORD.--October 1980 to September 1982 (elevation only). October 1982 to current year.

REMARKS.--Estimated daily discharges: Nov. 25 to Dec. 1, Dec. 23-26, Jan. 18-26, Feb. 22 to Mar. 3, Mar. 18, 19, 24-25, June 14-15, and Aug. 11-13 (indefinite stage-discharge relationship). Records fair, except those above 660 ft/s and estimated daily discharges, which are poor. Bayou Fusilier is a distributary of Bayou Teche into the Vermillion 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 CURRENT YEAR.--Maximum daily discharge, 650 ft³/s Feb. 26; minimum daily (unaffected by backwater), 124 ft³/s Nov. 3.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	135	250	331	388	400	342	278	249	261	214	252
2	188	129	485	298	371	350	319	276	237	258	212	244
3	144	124	444	308	341	450	307	277	238	254	220	239
4	134	137	423	381	301	490	315	279	241	252	230	240
5	140	381	408	349	268	442	318	291	245	253	235	244
6	148	325	392	321	261	417	314	299	256	253	241	245
7	146	210	375	293	246	406	304	297	262	261	245	239
8	137	170	349	261	217	399	312	291	256	263	240	238
9	138	153	314	239	201	387	316	291	252	349	236	247
10	144	147	338	222	232	367	314	302	248	324	283	247
11	158	191	425	208	236	343	312	305	245	283	260	250
12	170	220	406	199	206	315	310	303	247	248	240	253
13	184	155	376	229	200	292	308	303	306	211	270	251
14	195	131	338	214	221	304	306	299	450	239	288	251
15	184	139	381	189	355	309	301	328	350	265	272	251
16	167	137	575	295	489	303	296	322	258	265	252	260
17	149	137	521	550	399	320	284	304	226	258	229	259
18	136	139	463	600	326	550	282	292	285	252	230	252
19	131	142	549	500	257	600	286	282	276	246	237	253
20	137	158	493	350	222	486	287	289	257	244	242	244
21	149	187	440	380	333	428	295	290	244	232	241	233
22	150	197	462	450	600	402	299	288	244	227	243	236
23	144	219	550	350	450	443	299	290	239	231	242	241
24	205	533	450	200	350	550	297	379	229	236	240	244
25	210	600	350	300	550	630	295	387	224	247	243	245
26	174	550	400	400	650	558	293	338	232	254	245	245
27	142	350	492	546	450	487	290	272	240	245	246	245
28	141	200	436	477	420	451	286	330	244	223	250	245
29	148	150	406	444	---	419	282	314	244	218	266	245
30	148	170	386	423	---	393	278	292	249	215	271	242
31	142	---	362	404	---	367	---	270	---	212	261	---
TOTAL	4915	6616	13039	10711	9540	13058	9047	9358	7773	7779	7624	7380
MEAN	159	221	421	346	341	421	302	302	259	251	246	246
MAX	232	600	575	600	650	630	342	387	450	349	288	260
MIN	131	124	250	189	200	292	278	270	224	211	212	233
CAL YR 1986	TOTAL 95893		MEAN 263	MAX 600	MIN 124							
WTR YR 1987	TOTAL 106840		MEAN 293	MAX 650	MIN 124							

MISSISSIPPI RIVER DELTA

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07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA--CONTINUED
 ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.68	11.56	15.53	13.62	14.09	17.21	13.24	12.76	12.67	12.98	12.49	12.89
2	12.20	11.48	14.83	13.33	13.96	16.45	13.02	12.75	12.55	12.95	12.47	12.81
3	11.67	11.40	14.53	13.40	13.71	15.62	12.88	12.77	12.57	12.91	12.56	12.76
4	11.54	11.57	14.37	14.04	13.35	14.87	12.97	12.79	12.61	12.89	12.66	12.77
5	11.62	14.01	14.25	13.77	13.05	14.52	13.00	12.90	12.65	12.90	12.72	12.81
6	11.72	13.56	14.13	13.53	12.97	14.32	12.96	12.99	12.76	12.90	12.78	12.82
7	11.70	12.44	13.99	13.28	12.83	14.24	12.85	12.98	12.82	12.98	12.82	12.76
8	11.58	12.00	13.78	12.98	12.52	14.18	12.95	12.92	12.77	13.00	12.77	12.75
9	11.59	11.79	13.47	12.76	12.36	14.09	12.99	12.93	12.73	13.77	12.73	12.84
10	11.68	11.71	13.67	12.58	12.68	13.93	12.98	13.05	12.70	13.56	13.18	12.84
11	11.85	12.24	14.39	12.43	12.72	13.72	12.96	13.08	12.68	13.18	13.59	12.87
12	12.00	12.56	14.23	12.33	12.40	13.48	12.95	13.07	12.69	12.85	14.06	12.90
13	12.16	11.81	13.99	12.65	12.34	13.27	12.93	13.08	13.24	12.46	13.82	12.88
14	12.29	11.50	13.68	12.50	12.57	13.38	12.92	13.05	14.76	12.76	13.24	12.88
15	12.16	11.60	14.01	12.22	13.75	13.43	12.88	13.33	14.57	13.02	13.08	12.88
16	11.96	11.58	15.45	13.24	14.86	13.37	12.83	13.28	12.93	13.02	12.89	12.96
17	11.73	11.57	15.08	15.24	14.18	13.49	12.74	13.11	12.62	12.95	12.66	12.95
18	11.56	11.61	14.67	17.69	13.57	15.93	12.72	13.00	13.20	12.89	12.67	12.89
19	11.50	11.64	15.28	18.50	12.94	15.67	12.77	12.91	13.12	12.83	12.74	12.90
20	11.57	11.85	14.89	18.17	12.58	14.84	12.78	12.98	12.94	12.81	12.79	12.81
21	11.73	12.20	14.50	17.81	13.61	14.41	12.85	12.99	12.81	12.69	12.78	12.70
22	11.74	12.31	14.64	18.31	16.06	14.20	12.90	12.98	12.81	12.63	12.80	12.73
23	11.67	12.55	17.12	17.82	15.75	14.49	12.91	13.01	12.76	12.68	12.79	12.78
24	12.39	14.96	17.12	17.10	15.02	16.56	12.90	13.84	12.65	12.73	12.77	12.81
25	12.45	18.40	16.46	16.67	15.79	16.10	12.88	13.91	12.60	12.84	12.80	12.82
26	12.05	18.78	15.66	16.02	16.86	15.15	12.86	13.48	12.68	12.91	12.82	12.82
27	11.64	18.51	14.88	15.26	17.19	14.57	12.84	12.86	12.77	12.82	12.83	12.82
28	11.63	17.94	14.47	14.77	17.34	14.26	12.81	13.42	12.81	12.59	12.87	12.82
29	11.72	17.17	14.24	14.53	---	13.97	12.78	13.27	12.81	12.54	13.03	12.82
30	11.72	16.37	14.08	14.37	---	13.74	12.76	13.07	12.86	12.51	13.08	12.79
31	11.64	---	13.88	14.22	---	13.49	---	12.85	---	12.48	12.98	---
MAX	12.68	18.78	17.12	18.50	17.34	17.21	13.24	13.91	14.76	13.77	14.06	12.96
MIN	11.50	11.40	13.47	12.22	12.34	13.27	12.72	12.75	12.55	12.46	12.47	12.70

LOCATION.--Lat 30°14'35", long 91°53'05", in NE 1/4 NW 1/4 lot 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.--No estimated daily discharge. 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, 13 ft³/s May 28, 1980 (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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	132	101	116	115	106	294	368	358	345	369	365
2	131	132	99	120	119	100	348	367	362	343	367	367
3	128	132	102	119	124	96	350	362	364	356	370	369
4	129	130	108	108	126	94	357	364	365	364	372	370
5	131	124	114	111	128	96	358	365	360	368	370	370
6	132	119	117	117	128	101	359	349	367	356	365	369
7	133	119	122	122	125	107	360	352	367	270	351	370
8	132	122	124	125	129	112	361	361	363	297	351	371
9	128	126	126	128	133	105	364	362	360	292	358	372
10	126	130	128	128	136	117	364	364	357	298	339	371
11	128	132	122	133	138	123	364	366	357	313	329	357
12	128	136	122	135	137	125	371	368	359	326	328	311
13	121	135	128	136	138	128	367	369	359	334	329	326
14	117	134	130	136	138	131	365	366	332	339	334	357
15	122	133	126	133	129	132	371	359	304	344	347	358
16	130	132	108	125	113	133	372	348	274	354	356	359
17	131	131	108	111	116	127	370	358	281	361	360	358
18	132	131	107	114	119	106	370	360	293	369	363	357
19	133	132	108	118	124	110	370	366	302	374	368	357
20	132	131	108	117	126	108	369	368	313	374	369	357
21	131	132	109	116	123	107	369	370	322	373	371	354
22	131	131	114	114	112	112	371	370	331	375	372	352
23	130	131	110	108	113	116	372	368	339	371	373	356
24	123	128	106	103	111	114	371	355	346	373	372	358
25	121	120	101	101	110	114	372	347	351	377	371	358
26	126	117	97	97	112	111	371	348	356	378	371	358
27	129	113	95	95	111	111	370	349	362	374	371	357
28	132	111	95	95	112	114	370	345	367	365	373	354
29	133	107	100	99	---	117	371	343	366	364	374	354
30	134	103	105	103	---	122	368	337	362	365	355	368
31	133	---	112	110	---	127	---	348	---	363	359	---
TOTAL	3999	3786	3452	3593	3445	3522	10909	11122	10299	10855	11157	10760
MEAN	129	126	111	116	123	114	364	359	343	350	360	359
MAX	134	136	130	136	138	133	372	370	367	378	374	372
MIN	117	103	95	95	110	94	294	337	274	270	328	311
AC-FT	7930	7510	6850	7130	6830	6990	21640	22060	20430	21530	22130	21340
CAL YR 1986	TOTAL 95748		MEAN 262	MAX 383	MIN 58	AC-FT 189900						
WTR YR 1987	TOTAL 86899		MEAN 238	MAX 378	MIN 94	AC-FT 172400						

MISSISSIPPI RIVER DELTA

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07386700 RUTH CANAL NEAR RUTH, LA--CONTINUED

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.91	9.54	11.38	10.35	10.62	12.11	9.91	9.26	9.37	9.74	9.23	9.41
2	9.81	9.51	11.06	10.21	10.53	11.77	9.48	9.29	9.27	9.61	9.20	9.33
3	9.64	9.49	10.86	10.38	10.41	11.45	9.36	9.31	9.23	9.48	9.21	9.29
4	9.54	9.52	10.73	10.61	10.26	11.15	9.34	9.33	9.21	9.42	9.25	9.28
5	9.57	10.13	10.63	10.44	10.12	10.95	9.37	9.35	9.26	9.38	9.30	9.30
6	9.57	10.35	10.53	10.32	10.07	10.84	9.35	9.45	9.28	9.47	9.42	9.32
7	9.59	10.01	10.44	10.19	10.03	10.76	9.30	9.47	9.31	9.92	9.58	9.30
8	9.57	9.78	10.34	10.04	9.92	10.73	9.31	9.41	9.32	9.95	9.52	9.27
9	9.56	9.64	10.22	9.95	9.80	10.32	9.34	9.41	9.34	10.10	9.44	9.27
10	9.58	9.57	10.19	9.86	9.86	10.44	9.34	9.42	9.31	10.03	9.77	39.29
11	9.62	9.65	10.53	9.77	9.94	10.39	9.36	9.41	9.33	9.85	10.06	9.24
12	9.77	9.79	10.53	9.72	9.85	10.28	9.44	9.40	9.51	9.67	10.01	8.95
13	10.00	9.64	10.42	9.79	9.78	10.17	9.49	9.54	10.35	9.47	9.98	9.02
14	9.93	9.45	10.29	9.84	9.83	10.18	9.47	9.49	11.39	9.69	9.78	9.21
15	9.78	9.48	10.71	9.72	10.52	10.20	9.40	9.50	10.64	9.63	9.63	9.21
16	9.69	9.53	11.22	10.28	10.87	10.19	9.33	9.59	10.04	9.57	9.52	9.30
17	9.59	9.51	10.98	10.98	10.66	10.46	9.29	9.54	9.91	9.56	9.38	9.34
18	9.52	9.49	10.89	11.86	10.42	11.35	9.29	9.47	10.02	9.52	9.31	9.28
19	9.49	9.51	11.06	12.32	10.18	11.25	9.30	9.38	9.82	9.48	9.30	9.29
20	9.51	9.56	10.97	12.30	9.98	11.03	9.29	9.37	9.69	9.47	9.31	9.23
21	9.57	9.68	10.81	12.39	10.32	10.82	9.29	9.37	9.68	9.46	9.31	9.14
22	9.61	9.76	11.08	12.61	11.28	10.68	9.30	9.36	9.61	9.43	9.31	9.11
23	9.61	9.81	12.13	12.28	11.27	10.77	9.31	9.40	9.47	9.41	9.30	9.12
24	9.89	10.97	11.88	12.00	11.13	11.43	9.28	9.67	9.40	9.40	9.30	9.15
25	9.93	12.90	11.63	11.87	11.30	11.46	9.28	9.86	9.41	9.48	9.32	9.17
26	9.78	12.66	11.35	11.57	11.89	11.21	9.27	9.79	9.32	9.57	9.35	9.17
27	9.62	12.47	11.06	11.30	12.03	10.93	9.27	9.53	9.31	9.45	9.34	9.19
28	9.55	12.26	10.84	11.07	12.34	10.74	9.24	9.59	9.34	9.24	9.35	9.19
29	9.56	11.97	10.70	10.93	---	10.58	9.25	9.66	9.35	9.18	9.72	9.18
30	9.57	11.66	10.59	10.80	---	10.44	9.25	9.63	9.49	9.16	9.65	9.22
31	9.57	---	10.47	10.69	---	10.32	---	9.49	---	9.17	9.56	---
MAX	10.00	12.90	12.13	12.61	12.34	12.11	9.91	9.86	11.39	10.10	10.06	39.29
MIN	9.49	9.45	10.19	9.72	9.78	10.17	9.24	9.26	9.21	9.16	9.20	8.95

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", on line between lots 76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street at Lafayette, 0.6 mi north of Lafayette Airport, and 1.4 mi upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 2.07 ft below mean low Gulf level or 2.85 ft below National Geodetic Vertical Datum of 1929. Prior to 1982, datum of gage was 1.53 ft below mean low Gulf or 2.31 ft below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--Estimated daily discharges: Oct. 1-7, Apr. 4-5, and Apr. 29 to May 1. Records poor. Discharges are affected by tide at all stages; diversions above and below station for irrigation. No velocity record for the periods Oct. 1-7, and Apr. 29 to May 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 4,960 ft³/s, May 22, 1980; maximum gage height 15.02 ft May 17, 1980; minimum daily discharge recorded, -5,230 ft³/s May 17, 1980; minimum gage height 0.79 ft Nov. 20, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,020 ft³/s Mar. 3; maximum gage height (recorded), 11.17 ft Nov. 25; minimum discharge, -2,640 ft³/s July 6; minimum gage height (recorded), 3.01 ft Nov. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	238	2230	1220	1660	2060	991	560	662	566	685	863
2	200	198	1960	1070	1490	2400	940	595	736	789	711	738
3	320	210	1880	518	1390	2600	922	598	682	797	651	636
4	300	131	1690	1130	1140	2460	900	673	568	650	641	586
5	320	947	1470	1620	976	2350	800	663	492	552	753	576
6	360	1550	1290	1330	928	2180	761	1270	593	-192	280	611
7	270	1300	1070	1180	1120	1980	809	1590	536	-537	752	629
8	208	995	901	1020	921	1780	779	1220	503	1070	918	560
9	236	722	743	742	655	1710	780	1030	474	1400	884	589
10	678	506	805	692	457	1590	781	1030	534	1580	536	579
11	461	393	1280	639	391	1390	768	925	452	1440	1300	579
12	442	398	1170	536	369	1060	668	823	351	1260	1450	750
13	795	412	1040	448	335	799	570	913	662	1070	1520	765
14	1190	209	851	427	279	713	786	831	1520	1080	1370	667
15	1060	210	323	376	113	680	792	901	1840	1220	1300	629
16	769	175	317	374	1460	558	728	1410	1850	1180	1110	603
17	494	249	1320	814	1750	-104	596	1220	1590	1050	843	696
18	411	231	1170	899	1580	135	590	928	1440	901	753	664
19	314	256	1080	2060	1160	1740	571	809	1520	798	624	685
20	211	204	1370	2350	792	1870	524	645	1300	676	623	746
21	229	487	1310	1760	837	2010	488	565	1190	714	572	622
22	221	347	657	1490	732	1810	466	475	1060	666	660	649
23	236	367	-131	2530	1660	1420	427	575	1110	641	624	633
24	498	-296	1610	2660	1610	1670	420	951	1000	651	537	568
25	1130	-375	2410	2480	1430	2170	426	1140	898	663	511	554
26	833	1870	2400	2460	943	2000	423	950	838	705	559	550
27	524	2630	2020	2510	1840	1840	407	752	738	649	569	502
28	364	2540	1720	2470	1280	1710	402	768	628	614	552	473
29	274	2490	1740	2340	---	1490	444	873	539	598	1010	529
30	232	2470	1720	2120	---	1380	500	1060	474	590	1300	591
31	212	---	1450	1980	---	1170	---	861	---	614	1090	---
TOTAL	14092	22064	40866	44245	29298	48621	19459	27604	26780	24455	25688	18822
MEAN	455	735	1318	1427	1046	1568	649	890	893	789	829	627
MAX	1190	2630	2410	2660	1840	2600	991	1590	1850	1580	1520	863
MIN	200	-375	-131	374	113	-104	402	475	351	-537	280	473
CAL YR 1986	TOTAL 282157	MEAN 773	MAX 2630	MIN -375								
WTR YR 1987	TOTAL 341994	MEAN 937	MAX 2660	MIN -537								

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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.49	9.55	7.34	7.87	10.22	5.72	---	5.75	6.97	4.60	5.35
2	---	4.63	9.32	6.77	7.37	10.06	5.82	4.84	5.35	6.74	4.60	5.02
3	---	4.56	8.91	7.38	6.76	9.94	5.34	5.29	5.10	6.00	4.45	4.78
4	---	5.01	8.45	8.41	6.31	9.76	---	5.15	5.04	5.57	4.46	4.72
5	---	6.28	7.92	7.82	5.97	9.49	---	5.18	5.55	5.32	4.72	4.86
6	---	6.68	7.40	7.28	5.78	9.11	4.92	5.89	4.95	6.18	5.49	4.95
7	---	6.48	6.93	6.65	5.95	8.68	4.66	5.70	5.10	9.55	6.46	4.80
8	4.73	6.04	6.50	6.01	5.34	8.27	4.58	5.39	5.42	8.70	6.29	4.63
9	5.25	5.40	6.14	5.75	4.69	7.83	4.50	5.43	5.71	8.72	5.91	4.58
10	5.33	4.78	5.84	5.42	4.43	7.32	4.51	5.33	5.73	8.35	7.26	4.74
11	5.27	4.62	6.59	4.66	4.43	6.72	4.65	5.17	5.84	7.82	7.56	4.90
12	5.56	4.14	6.68	4.26	4.27	6.20	4.95	5.03	6.19	7.29	7.41	5.13
13	6.50	3.69	6.07	4.27	3.99	5.77	5.52	5.27	7.22	6.74	7.27	5.29
14	6.69	3.40	5.76	4.34	4.09	5.53	5.45	5.38	8.81	6.81	6.94	4.97
15	5.97	4.26	6.29	4.75	6.62	5.44	4.71	5.79	8.58	6.57	6.40	4.91
16	5.08	4.62	6.37	6.24	8.09	5.40	4.29	6.21	8.69	6.17	5.95	5.09
17	4.73	4.61	6.04	8.73	7.54	7.03	4.35	5.87	8.51	5.91	5.52	5.28
18	4.58	4.58	6.01	9.54	7.10	9.91	4.52	5.69	8.49	5.65	5.16	5.18
19	4.42	4.43	7.97	9.36	6.40	8.95	4.49	5.21	7.99	5.38	4.92	5.09
20	4.65	4.69	8.69	9.31	5.94	8.80	4.52	5.06	7.69	5.43	4.73	4.93
21	4.83	4.66	8.42	9.74	6.71	8.59	4.48	4.93	7.42	5.42	4.60	5.00
22	4.99	5.14	8.75	10.42	9.00	8.16	4.27	4.95	7.02	5.29	4.52	4.98
23	5.24	5.12	10.68	10.14	8.42	8.12	4.13	5.12	6.54	5.42	4.49	4.66
24	6.27	7.69	10.18	10.11	8.56	8.81	4.15	6.06	6.19	5.37	4.64	4.79
25	6.28	10.88	9.95	10.22	8.98	8.68	3.98	6.53	6.03	5.21	4.78	4.86
26	5.58	10.14	9.84	10.04	9.77	8.61	4.20	6.51	5.60	5.24	4.93	4.86
27	5.03	9.90	9.66	9.86	9.83	8.42	4.30	6.36	5.21	5.05	4.84	5.09
28	4.62	9.78	9.40	9.66	10.28	7.99	4.23	6.50	5.22	4.83	4.67	5.26
29	4.42	9.70	9.01	9.34	---	7.50	4.07	6.66	5.42	4.76	5.21	5.18
30	4.30	9.63	8.50	8.90	---	6.78	---	6.75	5.88	4.60	5.95	4.78
31	4.55	---	7.94	8.35	---	5.99	---	6.34	---	4.71	5.76	---
MAX	6.69	10.88	10.68	10.42	10.28	10.22	5.82	6.75	8.81	9.55	7.56	5.35
MIN	---	3.40	5.76	4.26	3.99	5.40	---	---	4.95	4.60	4.45	4.58

LOCATION.--Lat 29°57'04", long 92°09'22", on line between lots 60 and 61, T.12 S., R.3 E., Vermillion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of Baton Rouge district office.

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft³/s Oct. 28, 1985; maximum gage height recorded, 12.06 ft May 31, 1979; minimum discharge recorded, -2,800 ft³/s Aug. 15, 1985; minimum gage height recorded, 0.66 ft Dec. 25, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,200 ft³/s Dec. 23; maximum gage height, 8.65 ft Mar. 18; minimum discharge recorded, -2,640 ft³/s Nov. 3; minimum gage height recorded, 2.39 ft Apr. 3.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	747	389	2610	2950	3700	5790	524	498	1300	2630	922	1310
2	296	493	3350	2920	3000	3050	1600	106	1100	2400	1060	1090
3	368	633	2930	3510	2360	2660	1300	834	919	1340	700	862
4	714	19	2710	3440	1700	2620	626	732	1600	1070	638	795
5	673	2250	2660	2820	1480	2340	890	1200	3110	923	677	570
6	902	2190	2170	2560	1570	2130	1140	1800	1000	1820	1110	996
7	645	1700	1650	2350	1740	2150	857	1330	678	6960	2420	1060
8	227	1590	1590	2020	1270	2170	980	1190	1060	4680	1800	974
9	705	1220	1560	1350	887	1750	864	1170	1140	3250	1060	1200
10	1380	588	2270	1980	607	1790	764	1230	918	2430	2850	987
11	357	948	1890	922	855	1540	610	1060	1500	2080	2950	768
12	1280	499	2260	124	893	1160	546	857	2980	1920	230	994
13	2500	1090	1230	54	881	985	58	990	2950	1720	2100	1340
14	2990	-201	1350	170	310	861	1700	1280	3770	1870	1970	870
15	1850	496	4760	676	2060	806	1160	1600	2900	1670	1810	762
16	1320	301	8710	3690	4080	408	691	2170	3260	1430	1640	548
17	648	801	5620	5810	2650	827	412	1210	4290	1190	1330	884
18	919	758	4590	6100	2700	6400	739	1380	4210	1240	1140	861
19	577	532	5260	4530	2210	3410	642	792	2670	841	1030	1030
20	280	395	4070	2520	1800	2530	749	839	2170	764	1000	741
21	512	1030	3500	4780	3320	2490	862	787	2600	1160	848	637
22	170	310	4520	5570	6480	1960	860	1000	2390	846	978	1010
23	613	973	10800	3890	4110	1850	670	1600	1550	757	627	527
24	1960	1970	6940	3380	4130	3480	969	2600	1460	870	810	749
25	2670	8470	3470	4880	5280	2550	399	2400	1850	844	629	905
26	1540	6960	2150	4470	6620	2320	650	2000	1320	1140	973	731
27	1110	4520	2510	3740	5530	2440	779	1200	820	964	1270	643
28	786	3960	2510	3100	6710	2010	858	1400	621	751	1130	791
29	618	2740	2800	2700	---	2160	202	1900	7500	980	1520	1030
30	208	1360	3540	3500	---	2160	815	1800	1060	767	1920	1100
31	324	---	3180	3900	---	1150	---	1500	---	1010	1690	---
TOTAL	29889	48984	109160	94406	78933	69947	23916	40455	64696	52317	40832	26765
MEAN	964	1633	3521	3045	2819	2256	797	1305	2157	1688	1317	892
MAX	2990	8470	10800	6100	6710	6400	1700	2600	7500	6960	2950	1340
MIN	170	-201	1230	54	310	408	58	106	621			

MISSISSIPPI RIVER DELTA

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07386980 VERMILION RIVER AT PERRY, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM) WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.51	4.83	5.55	4.48	5.28	5.51	4.29	4.17	---	5.32	4.14	4.53
2	5.53	4.99	4.84	4.46	4.58	4.81	4.42	4.79	---	5.09	4.01	4.41
3	5.85	4.87	4.22	6.15	4.31	4.88	3.06	5.22	4.72	4.79	4.06	4.37
4	5.38	5.49	4.85	4.97	4.75	4.68	3.97	4.89	4.76	4.69	4.12	4.43
5	5.05	5.29	4.78	4.17	4.69	4.82	4.07	4.57	4.99	4.75	4.20	4.80
6	4.72	4.72	4.90	4.85	4.26	5.03	3.81	4.28	4.57	5.44	4.44	4.75
7	4.58	5.32	5.06	4.56	3.52	5.01	3.69	3.98	5.12	7.34	4.87	4.43
8	5.17	5.18	4.93	4.35	3.68	4.83	3.66	4.17	5.50	6.73	4.97	4.28
9	5.45	4.88	5.06	4.99	3.64	4.30	3.56	4.33	5.83	5.84	5.14	4.14
10	4.90	4.78	3.73	3.93	4.11	4.22	3.81	4.40	5.74	5.50	6.05	4.36
11	5.44	4.61	3.97	3.14	4.28	3.78	4.18	4.43	5.76	5.33	5.27	4.65
12	5.45	4.21	3.91	3.62	4.09	3.99	4.83	4.47	6.00	5.14	4.57	4.36
13	5.49	3.15	3.78	4.03	3.84	4.10	5.83	4.60	5.92	4.84	4.43	4.42
14	4.88	3.80	4.79	4.32	4.27	4.60	4.60	4.61	6.01	4.37	4.32	4.36
15	4.71	4.59	5.42	4.69	6.10	4.92	3.64	4.19	5.44	4.42	4.31	4.46
16	4.18	5.03	7.20	5.49	5.05	5.22	3.51	4.23	5.43	4.46	4.34	4.88
17	4.77	4.82	5.63	6.09	3.91	6.88	3.98	4.45	5.85	4.69	4.21	4.80
18	4.61	4.83	5.06	6.54	3.43	7.99	4.00	4.51	6.19	4.70	4.13	4.71
19	4.66	4.67	5.21	4.83	4.08	6.07	3.99	4.42	5.21	4.75	4.03	4.46
20	5.07	4.90	4.82	4.31	4.78	5.50	3.99	4.52	5.23	5.15	3.94	4.33
21	5.17	4.44	4.79	5.29	4.59	5.43	3.79	4.51	5.28	4.87	4.02	4.75
22	5.49	5.32	5.93	6.44	5.79	5.45	3.27	4.47	5.14	4.92	3.90	4.48
23	5.65	5.23	7.95	4.74	4.60	6.23	3.44	---	4.94	5.08	4.20	4.16
24	6.00	5.53	6.14	5.20	5.40	6.00	3.34	---	4.82	5.11	4.38	4.50
25	4.50	7.80	5.35	5.21	5.59	5.19	3.44	---	4.59	4.94	4.71	4.47
26	4.70	7.16	5.33	4.27	6.65	5.47	3.71	---	4.28	4.83	4.75	4.61
27	4.82	5.37	5.11	4.57	6.16	5.35	3.81	---	4.13	4.59	4.48	5.03
28	4.75	4.80	4.85	4.78	6.89	5.23	3.57	---	4.79	4.40	4.27	5.09
29	4.69	4.58	5.01	5.02	---	5.22	3.74	---	5.18	4.35	4.33	4.69
30	4.66	4.92	4.87	4.78	---	3.46	4.06	---	5.13	4.28	4.51	3.69
31	4.95	---	4.77	4.56	---	3.00	---	---	---	4.21	4.63	---
MAX	6.00	7.80	7.95	6.54	6.89	7.99	5.83	5.22	6.19	7.34	6.05	5.09
MIN	4.18	3.15	3.73	3.14	3.43	3.00	3.06	3.98	4.13	4.21	3.90	3.69

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 bank at downstream side of bridge on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

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 (levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Estimated daily discharges: Nov. 2-3, June 8-10, 27-30, Aug. 21-28, Sept. 4-12, 15-30. Records fair. Small diversion above station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 270 ft³/s, 27.99 in/yr, 195,600 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, 4,580 ft³/s Jan. 19, gage height, 18.39 ft; minimum daily discharge, 2.8 ft³/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	16	111	65	65	1010	75	46	71	338	109	38
2	24	14	81	57	63	273	156	37	57	609	65	23
3	28	15	65	384	57	129	132	64	46	210	35	20
4	23	16	74	1720	55	88	74	59	43	94	37	18
5	21	171	52	957	110	69	63	61	58	57	96	16
6	18	165	41	245	88	55	46	71	29	52	171	14
7	17	543	34	135	82	53	43	66	24	828	151	12
8	18	608	32	101	66	79	38	96	20	677	88	11
9	22	181	32	76	50	93	57	322	18	743	53	10
10	35	86	1040	87	38	60	68	589	16	339	354	9.6
11	36	51	1860	78	33	44	66	236	24	147	1270	10
12	28	39	960	55	29	42	71	128	25	87	1540	15
13	132	30	248	42	26	36	88	83	179	54	823	27
14	216	22	113	56	26	39	108	62	506	247	241	23
15	91	20	479	82	623	36	80	411	192	282	90	18
16	53	20	1880	489	1580	29	59	315	275	104	50	14
17	30	20	1430	1430	549	380	65	517	221	92	29	12
18	22	19	949	3910	126	2560	63	290	287	107	33	10
19	20	17	2330	4520	75	2370	98	110	132	92	32	8.0
20	18	111	1800	3840	239	914	71	101	58	63	26	7.0
21	17	389	614	1890	991	211	99	68	52	101	20	6.0
22	17	128	441	2150	1560	100	83	47	344	143	18	5.0
23	52	70	2540	1370	1230	182	70	202	130	147	16	4.5
24	647	1400	3150	455	526	1110	67	169	46	111	15	4.0
25	397	3520	1670	321	1680	612	51	240	32	91	17	3.5
26	122	4030	529	206	2600	162	38	376	25	63	19	3.0
27	61	3410	187	136	3030	102	63	507	20	43	12	2.8
28	46	1610	132	104	1960	113	76	619	18	60	18	2.9
29	32	486	100	81	---	124	65	336	15	88	265	3.0
30	26	162	87	69	---	235	45	251	18	70	137	3.2
31	20	---	76	65	---	104	---	129	---	244	55	---
TOTAL	2310	17369	23137	25176	17557	11414	2178	6608	2981	6383	5885	353.5
MEAN	74.5	579	746	812	627	368	72.6	213	99.4	206	190	11.8
MAX	647	4030	3150	4520	3030	2560	156	619	506	828	1540	38
MIN	17	14	32	42	26	29	38	37	15	43	12	2.8
CFSM	.57	4.42	5.69	6.20	4.79	2.81	.55	1.63	.76	1.57	1.45	.09
IN.	.66	4.93	6.57	7.15	4.99	3.24	.62	1.88	.85	1.81	1.67	.10
AC-FT	4580	34450	45890	49940	34820	22640	4320	13110	5910	12660	11670	701
CAL YR 1986	TOTAL 74496.6		MEAN 204		MAX 4030		MIN 3.3		CFSM 1.56		IN. 21.15	
WTR YR 1987	TOTAL 121351.5		MEAN 332		MAX 4520		MIN 2.8		CFSM 2.53		IN. 34.46	
											AC-FT 147800	
											AC-FT 240700	

MERMENTAU RIVER BASIN

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08010000 BAYOU DES CANNES NEAR EUNICE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.65	1.45	3.84	2.79	2.78	12.60	3.06	2.39	3.13	7.14	4.21	2.47
2	1.79	---	3.20	2.57	2.75	6.42	4.66	2.15	2.76	10.20	3.20	2.03
3	1.92	---	2.81	6.38	2.57	4.20	4.24	2.85	2.50	5.82	2.45	1.93
4	1.76	1.45	3.01	15.16	2.53	3.36	3.01	2.70	2.41	3.77	2.50	---
5	1.65	4.53	2.47	12.29	3.84	2.90	2.74	2.77	2.81	2.90	3.89	---
6	1.54	4.80	2.19	6.05	3.36	2.54	2.32	3.03	2.05	2.70	5.29	---
7	1.53	9.18	1.99	4.31	3.23	2.48	2.24	2.91	1.91	11.97	5.02	---
8	1.58	10.12	1.96	3.64	2.82	3.14	2.10	3.49	---	10.81	3.76	---
9	1.72	5.10	1.95	3.08	2.41	3.47	2.58	7.09	---	11.36	2.91	---
10	2.13	3.29	11.87	3.34	2.12	2.67	2.87	10.04	---	7.48	7.32	---
11	2.19	2.45	15.47	3.12	1.96	2.26	2.83	6.04	1.94	4.86	13.47	---
12	1.92	2.15	12.34	2.52	1.85	2.23	2.95	4.28	1.96	3.66	14.67	---
13	4.49	1.88	6.06	2.22	1.77	2.04	3.36	3.33	4.56	2.85	11.77	2.16
14	6.05	1.66	3.89	2.56	1.78	2.12	3.78	2.82	9.27	6.08	6.22	2.02
15	3.74	1.56	7.83	3.21	8.23	2.05	3.15	7.85	5.51	6.80	3.75	---
16	2.67	1.58	15.52	8.31	14.79	1.87	2.63	7.02	6.78	4.04	2.78	---
17	1.99	1.57	14.31	14.18	9.36	5.59	2.81	9.22	5.97	3.80	2.22	---
18	1.72	1.55	12.25	17.84	4.14	16.50	2.75	6.71	6.92	4.13	2.34	---
19	1.61	1.46	16.25	18.34	3.06	16.24	3.60	3.95	4.46	3.80	2.31	---
20	1.55	3.18	15.21	17.78	5.24	12.05	2.96	3.76	2.87	3.10	2.13	---
21	1.52	7.93	10.08	15.45	13.01	5.52	3.63	3.01	2.66	4.00	---	---
22	1.52	4.15	8.04	16.04	14.72	3.62	3.27	2.49	7.60	4.82	---	---
23	2.49	2.92	16.36	14.08	13.56	4.71	2.94	5.46	4.43	4.91	---	---
24	10.53	13.33	17.18	8.57	9.34	13.31	2.88	5.01	2.57	4.23	---	---
25	8.00	17.50	14.84	7.23	15.03	10.06	2.48	6.21	2.20	3.80	---	---
26	4.04	17.95	9.30	5.54	16.56	4.78	2.15	7.92	2.01	3.14	---	---
27	2.68	17.41	5.23	4.34	17.06	3.67	2.78	9.30	---	2.62	---	---
28	2.31	14.69	4.27	3.70	15.62	3.88	3.13	10.31	---	3.05	---	---
29	1.94	8.84	3.61	3.20	---	4.08	2.84	7.40	---	3.76	6.26	---
30	1.78	4.79	3.33	2.91	---	5.99	2.35	6.38	---	3.27	4.66	---
31	1.57	---	3.07	2.79	---	3.67	---	4.35	---	6.35	2.89	---
MAX	10.53	17.95	17.18	18.34	17.06	16.50	4.66	10.31	9.27	11.97	14.67	2.47
MIN	1.52	---	1.95	2.22	1.77	1.87	2.10	2.15	---	2.62	---	---

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 good. Diversion for Irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 1,038 ft³/s, 21.34 in/yr, 599,900 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, 7,580 ft³/s Jan. 20, gage height, 23.63 ft; minimum, 7.9 ft³/s Sept. 30, gage height, 1.51 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	67	44	5060	1960	580	5340	323	75	174	790	96	69		
2	60	32	4480	1390	335	4970	243	65	129	1250	97	57		
3	53	28	3890	797	230	4520	253	77	96	1390	72	47		
4	39	27	3270	1090	202	4030	239	102	71	1270	60	50		
5	30	50	2630	1620	256	3490	200	123	54	971	61	48		
6	43	211	1950	1630	323	2920	178	145	45	653	59	37		
7	69	435	1170	1390	303	2370	163	146	38	353	58	29		
8	46	938	590	1080	280	1850	179	142	32	376	64	24		
9	31	989	319	750	250	1130	174	211	29	582	100	20		
10	25	719	959	526	212	611	159	628	30	838	302	19		
11	30	423	1840	472	178	404	160	912	60	678	1200	17		
12	41	234	2290	390	149	301	143	685	101	509	1800	17		
13	223	141	2290	316	118	231	135	434	177	290	2160	25		
14	421	92	2030	260	93	183	114	343	607	187	1930	34		
15	377	66	1830	239	192	153	128	322	800	333	1340	35		
16	254	48	2270	386	1110	131	141	566	650	467	715	43		
17	160	39	3080	1330	1610	263	119	553	506	352	331	90		
18	103	33	3420	3650	1540	1680	103	566	522	325	158	150		
19	73	28	3970	6230	1290	3240	101	510	652	270	92	120		
20	55	58	4410	7500	1000	3760	113	324	567	194	69	94		
21	40	470	4300	7390	1190	3750	133	187	372	143	59	70		
22	32	428	4100	7360	1860	3500	151	121	241	148	57	47		
23	50	271	4430	6860	2630	3220	133	88	227	181	48	30		
24	582	962	4990	5920	2990	3160	118	70	238	167	41	22		
25	912	2700	5010	5040	3360	3230	110	69	255	142	31	16		
26	783	5060	4730	4390	4230	3060	100	217	264	125	35	12		
27	478	6610	4330	3780	5180	2630	88	443	211	108	40	10		
28	250	6980	3870	3140	5500	2150	73	485	130	92	26	8.7		
29	136	6590	3370	2480	---	1690	73	366	81	101	39	8.8		
30	84	5810	2860	1830	---	1090	80	264	153	94	123	8.5		
31	60	---	2390	1090	---	570	---	217	---	92	105	---		
TOTAL	5607	40516	96128	82286	37191	69627	4427	9456	7512	13471	11368	1258.0		
MEAN	181	1351	3101	2654	1328	2246	148	305	250	435	367	41.9		
MAX	912	6980	5060	7500	5500	5340	323	912	800	1390	2160	150		
MIN	25	27	319	239	93	131	73	65	29	92	26	8.5		
CFSM	.34	2.56	5.88	5.04	2.52	4.26	.28	.58	.47	.83	.70	.08		
IN.	.40	2.86	6.79	5.81	2.63	4.91	.31	.67	.53	.95	.80	.09		
AC-FT	11120	80360	190700	163200	73770	138100	8780	18760	14900	26720	22550	2500		
CAL YR 1986	TOTAL 206058		MEAN 565		MAX 6980		MIN 12		CFSM 1.07		IN. 14.55		AC-FT 408700	
WTR YR 1987	TOTAL 378847.0		MEAN 1038		MAX 7500		MIN 8.5		CFSM 1.97		IN. 26.74		AC-FT 751400	

MERMENTAU RIVER BASIN

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08012000 BAYOU NEZPIQUE NEAR BASILE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.12	2.49	21.81	17.18	9.74	22.07	6.88	3.10	5.17	11.40	3.84	3.22
2	2.92	2.16	21.20	15.04	7.27	21.72	5.81	2.90	4.50	14.42	3.85	2.95
3	2.72	2.03	20.51	11.56	5.95	21.24	5.97	3.14	3.94	15.08	3.40	2.71
4	2.36	1.98	19.70	13.44	5.56	20.69	5.76	3.59	3.51	14.49	3.15	2.80
5	2.09	2.64	18.69	16.10	6.30	19.99	5.17	3.96	3.14	12.82	3.18	2.74
6	2.47	5.66	17.14	16.16	7.14	19.18	4.82	4.32	2.92	10.39	3.12	2.44
7	3.17	8.28	13.92	15.07	6.90	18.22	4.60	4.33	2.74	7.47	3.11	2.20
8	2.56	12.60	9.81	13.46	6.61	16.83	4.85	4.27	2.56	7.75	3.23	2.04
9	2.12	12.96	7.08	11.20	6.23	13.67	4.76	5.33	2.46	9.76	3.92	1.88
10	1.92	10.94	12.43	9.28	5.69	10.02	4.54	9.97	2.49	11.91	6.65	1.86
11	2.10	8.22	16.80	8.75	5.19	8.05	4.56	12.45	3.27	10.62	13.94	1.79
12	2.43	5.99	18.06	7.90	4.74	6.87	4.29	10.67	4.03	9.09	16.68	1.77
13	5.64	4.60	18.06	7.05	4.22	5.96	4.16	8.35	5.15	6.72	17.74	2.08
14	8.24	3.71	17.37	6.36	3.78	5.27	3.81	7.38	9.92	5.32	17.08	2.36
15	7.75	3.07	16.80	6.08	5.22	4.80	4.03	7.10	11.62	7.19	14.82	2.40
16	6.27	2.61	17.96	7.73	13.48	4.46	4.25	9.65	10.38	8.70	10.87	2.59
17	4.92	2.38	19.43	14.42	16.09	5.98	3.89	9.53	9.08	7.47	7.20	3.64
18	3.95	2.19	19.90	20.10	15.82	15.98	3.60	9.65	9.23	7.17	4.85	4.76
19	3.27	2.03	20.60	22.71	14.59	19.63	3.57	9.12	10.41	6.49	3.67	4.26
20	2.79	2.63	21.12	23.58	13.05	20.35	3.78	7.13	9.64	5.43	3.21	3.80
21	2.39	8.71	21.00	23.51	14.04	20.34	4.14	5.36	7.69	4.66	2.99	3.36
22	2.14	8.29	20.77	23.49	16.86	20.01	4.42	4.36	6.10	4.73	2.95	2.85
23	2.60	6.50	21.15	23.16	18.69	19.62	4.13	3.80	5.92	5.24	2.74	2.38
24	9.61	12.12	21.73	22.51	19.29	19.54	3.88	3.50	6.07	5.02	2.56	2.07
25	12.45	18.63	21.76	21.79	19.82	19.64	3.72	3.48	6.28	4.63	2.26	1.86
26	11.47	21.75	21.47	21.10	20.91	19.40	3.55	5.70	6.41	4.36	2.35	1.71
27	8.78	22.99	21.03	20.37	21.92	18.70	3.34	8.45	5.69	4.06	2.54	1.61
28	6.21	23.24	20.49	19.50	22.20	17.71	3.07	8.88	4.51	3.77	2.10	1.55
29	4.52	22.98	19.84	18.42	---	16.33	3.06	7.62	3.69	3.92	2.48	1.55
30	3.52	22.43	19.09	16.75	---	13.43	3.20	6.41	4.64	3.79	4.28	1.54
31	2.93	---	18.25	13.48	---	9.54	---	5.79	---	3.76	3.93	---
MAX	12.45	23.24	21.81	23.58	22.20	22.07	6.88	12.45	11.62	15.08	17.74	4.76
MIN	1.92	1.98	7.08	6.08	3.78	4.46	3.06	2.90	2.46	3.76	2.10	1.54

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 Nezplique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. Gage-height records only, August 1941 to September 1984 in files of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 0.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--No estimated daily discharges. Records poor. Discharge is affected by tide and wind at medium and low stages.

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, 15,200 ft³/s Jan. 23; maximum gage height, 4.98 ft Jan. 22; minimum discharge, -5,530 ft³/s Mar. 17; minimum gage height, 0.90 ft Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1600	955	5390	3280	2080	5760	803	-287	553	1370	1260	852
2	-1030	819	3820	3240	1560	5570	1050	-1090	719	682	718	1030
3	-1130	520	3290	3430	1680	4380	1030	356	328	372	1250	358
4	-6.5	-396	3160	4260	1220	3260	762	-122	828	1080	440	427
5	15	1630	2830	3780	1290	2170	873	393	1130	664	79	389
6	77	1570	2260	4030	1180	1960	725	673	484	678	694	170
7	906	1340	2460	4350	1560	1530	581	1190	295	922	689	78
8	306	1060	2490	4060	1030	1660	691	1030	654	1190	961	108
9	750	225	2240	3280	1260	1260	157	1360	311	978	1040	-212
10	1640	597	2440	3870	521	1150	-391	1000	-1.2	769	853	-379
11	686	673	2080	2900	437	1740	-468	769	173	529	1380	289
12	28	1740	1480	1920	896	1100	-293	1010	289	407	2190	628
13	718	2030	1440	1810	425	893	-1280	811	701	795	1010	761
14	2000	699	1470	1310	28	157	293	753	891	743	1000	274
15	1470	709	3120	1390	433	577	721	717	1450	1340	1090	67
16	1680	-1010	4430	1520	1360	-3.5	627	196	1460	755	837	248
17	913	-674	4040	2990	1680	-442	103	463	1320	829	871	347
18	1080	-590	4900	3420	1250	2610	373	943	1680	1000	972	463
19	614	915	4030	4150	888	2600	403	679	332	1230	780	925
20	542	378	4220	7170	827	1470	540	703	874	931	1290	811
21	274	1740	4220	8310	1670	1110	259	579	709	992	972	767
22	165	571	4500	8150	2460	1820	424	545	379	1310	871	821
23	668	455	5030	8260	2690	1510	469	910	1580	1140	524	715
24	882	1780	6540	8290	2840	2670	765	967	1270	1140	582	673
25	1320	4050	6540	6230	4380	2060	844	480	977	1010	729	330
26	1410	4290	6490	5300	4710	1290	584	1030	778	1160	582	305
27	1100	5020	6700	3910	5390	1550	548	644	1070	1320	819	301
28	960	4820	5140	3300	6220	870	536	716	1020	1330	553	374
29	1260	6040	3710	3150	---	1840	698	879	732	831	1030	644
30	1150	5880	4300	2770	---	3130	412	590	636	999	1040	671
31	796	---	3610	1810	---	1480	---	979	---	1060	999	---
TOTAL	19643	47836	118370	125640	51965	58731	12839	19866	23621.8	29556	28105	13235
MEAN	634	1595	3818	4053	1856	1895	428	641	787	953	907	441
MAX	2000	6040	6700	8310	6220	5760	1050	1360	1680	1370	2190	1030
MIN	-1600	-1010	1440	1310	28	-442	-1280	-1090	-1.2	372	79	-379
CAL YR 1986	TOTAL 119155		MEAN 326		MAX 6700		MIN -2110					
WTR YR 1987	TOTAL 549409		MEAN 1505		MAX 8310		MIN -1600					

MERMENTAU RIVER BASIN

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08012150 MERMENTAU RIVER AT MERMENTAU, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.72	1.80	3.44	2.63	2.47	4.06	1.95	1.08	1.62	2.34	1.97	1.42
2	1.70	1.77	3.17	2.51	2.38	3.82	1.93	1.17	1.59	2.44	1.96	1.41
3	1.76	1.77	2.86	2.66	2.14	3.43	1.65	1.19	1.51	2.38	1.96	1.41
4	1.67	1.88	2.63	2.58	2.01	3.04	1.74	1.20	1.40	2.37	1.96	1.39
5	1.59	2.06	2.46	2.46	1.94	2.76	1.71	1.19	1.40	2.32	1.96	1.39
6	1.48	2.03	2.35	2.43	1.91	2.58	1.67	1.18	1.42	2.26	1.96	1.38
7	1.43	2.13	2.30	2.38	1.66	2.42	1.60	1.14	1.47	2.35	1.96	1.36
8	1.55	2.18	2.26	2.27	1.70	2.31	1.57	1.19	1.50	2.53	1.96	1.33
9	1.72	2.03	2.17	2.27	1.49	2.25	1.55	1.22	1.58	2.62	1.95	1.34
10	1.73	1.95	1.93	2.10	1.59	2.05	1.57	1.37	1.66	2.59	1.96	1.38
11	1.74	1.82	2.00	1.90	1.60	1.84	1.55	1.38	1.89	2.51	1.96	1.33
12	1.79	1.70	2.07	1.88	1.50	1.82	1.60	1.40	2.10	2.45	1.94	1.35
13	1.89	1.19	2.01	1.78	1.47	1.78	1.75	1.41	2.17	2.36	1.93	1.29
14	2.05	1.42	2.04	1.78	1.54	1.87	1.54	1.50	2.28	2.42	1.84	1.35
15	2.01	1.56	2.31	1.75	1.77	1.85	1.37	1.43	2.39	2.51	1.75	1.37
16	1.88	1.63	2.98	1.92	1.83	1.86	1.25	1.43	2.46	2.36	1.73	1.36
17	1.90	1.65	3.12	2.34	1.73	2.26	1.35	1.48	2.59	2.25	1.71	1.43
18	1.84	1.65	3.07	3.13	1.65	2.62	1.33	1.48	2.70	2.17	1.69	1.40
19	1.80	1.54	3.07	3.62	1.67	2.64	1.34	1.45	2.67	2.04	1.67	1.41
20	1.75	1.57	3.05	3.91	1.69	2.54	1.33	1.43	2.53	2.04	1.66	1.36
21	1.78	1.53	2.90	4.32	1.78	2.47	1.28	1.36	2.45	2.05	1.64	1.43
22	1.79	1.67	2.90	4.89	2.15	2.47	1.13	1.33	2.43	2.05	1.61	1.35
23	2.03	1.70	3.76	4.93	2.28	2.64	1.13	1.38	2.29	2.05	1.56	1.27
24	2.23	2.03	4.18	4.68	2.35	2.68	1.06	1.47	2.17	2.05	1.55	1.35
25	2.20	2.99	4.24	4.23	2.58	2.56	1.06	1.59	2.19	2.04	1.53	1.33
26	2.10	3.46	4.08	3.77	3.07	2.38	1.06	1.62	2.12	2.00	1.51	1.34
27	2.03	3.64	3.74	3.39	3.44	2.36	1.09	1.72	1.94	2.00	1.50	1.34
28	2.00	3.82	3.41	3.11	3.87	2.34	1.02	1.74	1.94	2.00	1.49	1.33
29	1.93	3.92	3.16	2.91	---	2.23	1.05	1.68	1.97	1.99	1.47	1.22
30	1.88	3.71	2.96	2.69	---	1.88	1.05	1.61	2.08	1.99	1.45	1.05
31	1.86	---	2.77	2.49	---	1.89	---	1.60	---	1.99	1.44	---
MAX	2.23	3.92	4.24	4.93	3.87	4.06	1.95	1.74	2.70	2.62	1.97	1.43
MIN	1.43	1.19	1.93	1.75	1.47	1.78	1.02	1.08	1.40	1.99	1.44	1.05

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 1986 TO SEPTEMBER 1987

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/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 21...	1040	274	185	7.32	20.0	80	13	0.9	3.6	270	K1100
JAN 06...	1030	4030	90	6.88	10.0	120	8.6	9.9	2.0	K360	3100
MAY 22...	1015	545	224	6.98	30.0	90	42	1.7	5.8	K44	480
JUL 14...	1330	743	113	7.10	29.0	80	52	5.2	0.6	200	1200

DATE	HARD-NESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 21...	39	9.7	3.5	17	5.8	50	13	16	0.1	13	119
JAN 06...	23	5.6	2.1	7.3	2.8	24	4.2	9.1	<0.1	6.4	78
MAY 22...	53	13	4.9	19	4.3	63	15	22	0.3	8.6	152
JUL 14...	30	7.6	2.6	9.1	2.5	38	5.6	9.9	0.4	8.0	92

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)
OCT 21...	110	<0.10	0.06	0.07	1.3	0.19	0.15	0.13	260	2	81
JAN 06...	53	0.20	0.19	0.14	1.7	0.19	0.12	0.11	250	1	57
MAY 22...	130	0.33	0.04	0.04	2.3	0.33	0.09	0.06	230	6	92
JUL 14...	68	0.25	0.15	0.16	1.5	0.31	0.23	0.12	180	2	70

< 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).

MERMENTAU RIVER BASIN

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08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 21...	<0.5	<1	<1	<3	17	270	<5	4	57	0.1
JAN 06...	<0.5	<1	<1	<3	4	310	<5	<4	19	2.3
MAY 22...	<0.5	1	<1	<3	7	130	8	6	62	<0.1
JUL 14...	<0.5	<1	4	<3	5	310	6	<4	54	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	<10	5	<1	<1	65	<6	12	19	14	100
JAN 06...	<10	2	<1	<1	37	<6	15	72	783	100
MAY 22...	<10	<1	<1	<1	86	<6	20	48	71	87
JUL 14...	<10	2	<1	1	52	<6	5	31	62	99

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

08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.--Lat 30°04'55", long 92°30'20", T.11 S., R.1 W., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge on State Highway 91, 0.5 mi northeast of Riceville, and 3.3 mi north of Gueydan.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Unpublished records, December 1982 to September 1985, available in files of the Baton Rouge District Office.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft above National Geodetic Vertical Datum of 1929. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Oct. 1 to Dec. 4, June 10 to Aug. 26. Records poor. No velocity record Oct. 1 to Dec. 4, June 10 to Aug. 26.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,980 ft³/s Oct. 31, 1985; maximum gage height, 12.01 ft Nov. 2, 1985; minimum discharge, -919 ft³/s Feb. 14, 1986; minimum gage height, 3.34 ft Feb. 28, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,950 ft³/s Nov. 27; minimum daily discharge, -135 ft³/s Apr. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	60	805	279	36	1950	-55	-64	28	20	-12	-25
2	92	44	445	235	6	1440	-39	-81	-36	48	-32	-37
3	70	35	330	186	-8	897	13	-41	-44	80	-48	-47
4	100	76	420	654	-19	596	-42	-40	44	64	-36	-51
5	130	300	134	878	18	355	-16	-26	118	44	-50	-48
6	160	620	59	723	29	178	-30	31	55	32	-60	-35
7	160	395	-4	566	110	95	-25	83	42	12	-50	-44
8	110	270	-19	426	76	78	-41	12	83	-8	-32	-33
9	100	300	-4	303	64	90	-45	-3	64	-20	18	-49
10	185	215	62	234	4	92	-75	-4	54	-36	290	-23
11	95	170	75	196	-18	39	-64	10	36	-18	960	-30
12	170	190	53	92	-3	5	-74	-33	24	8	1000	-38
13	230	145	21	64	-5	-12	-135	-36	90	-8	920	-12
14	665	68	-5	42	-48	-65	-38	31	200	-20	625	-41
15	860	120	140	35	49	-37	-52	26	240	-32	60	-51
16	440	90	1660	192	496	-92	-71	16	180	24	40	-37
17	265	145	2610	923	545	-76	-108	31	100	80	20	-41
18	120	92	2180	2110	323	761	-73	6	480	64	-4	-19
19	80	68	1880	2610	168	1310	-84	-24	1300	40	-22	5
20	60	125	1550	2130	63	887	-75	-57	980	16	-41	-16
21	40	140	1100	1490	88	521	-59	-63	920	0	-47	-35
22	64	92	850	1910	982	248	-39	-40	2000	-12	-49	-25
23	140	78	1810	1970	1860	68	-48	-40	800	16	-50	-44
24	305	205	2760	1310	1540	330	-44	4	400	40	-51	-76
25	825	1790	2350	1070	1370	484	-40	54	200	52	-52	-45
26	610	3840	1670	900	1750	340	-40	102	80	28	-40	-50
27	330	3950	1180	672	2150	171	-70	74	60	4	-27	-51
28	275	3060	824	414	1980	76	-44	1	24	-16	-7	-44
29	215	1800	583	224	---	42	-81	-32	-8	-36	-25	-30
30	170	1440	430	155	---	76	-58	-30	-36	-20	51	-31
31	78	---	333	96	---	2	---	22	---	-4	18	---
TOTAL	7180	19923	26282	23089	13607	10848	-1652	-1110	8478	442	3267	-1103
MEAN	232	664	848	745	486	350	-55.1	-3.54	283	14.3	105	-36.8
MAX	860	3950	2760	2610	2150	1950	13	102	2000	80	1000	4.6
MIN	36	35	-19	35	-48	-92	-135	-81	-44	-36	-60	-76
CAL YR 1986	TOTAL 86353		MEAN 237		MAX 3950		MIN -705					
WTR YR 1987	TOTAL 110251		MEAN 302		MAX 3950		MIN -135					

MERMENTAU RIVER BASIN

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08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.49	4.62	6.60	5.58	5.33	7.90	4.69	3.83	4.57	5.64	4.48	4.19
2	4.47	4.57	6.23	5.39	5.26	7.52	4.74	3.91	4.40	6.08	4.38	4.17
3	4.51	4.54	5.89	5.41	5.08	6.99	4.60	3.99	4.31	6.23	4.27	4.16
4	4.46	4.62	5.58	5.87	4.93	6.49	4.51	4.01	4.43	6.05	4.22	4.16
5	4.38	5.28	5.33	6.08	4.83	6.05	4.51	4.00	4.73	5.74	4.18	4.16
6	4.38	5.70	5.15	5.92	4.82	5.68	4.49	4.12	4.52	5.45	4.20	4.16
7	4.40	5.66	5.06	5.65	4.84	5.38	4.42	4.23	4.47	5.48	4.89	4.13
8	4.32	5.49	5.02	5.40	4.71	5.19	4.35	4.10	4.65	5.86	5.21	4.10
9	4.49	5.27	4.97	5.20	4.52	5.06	4.32	4.12	4.67	6.24	5.24	4.11
10	4.54	5.03	4.84	5.07	4.40	4.92	4.32	4.27	4.64	6.28	5.81	4.18
11	4.52	4.83	4.78	4.88	4.40	4.73	4.31	4.32	4.82	6.04	6.95	4.12
12	4.64	4.61	4.85	4.73	4.33	4.63	4.35	4.21	5.22	5.76	7.21	4.14
13	4.98	4.24	4.76	4.63	4.26	4.56	4.42	4.18	5.38	5.51	6.85	4.11
14	5.69	4.17	4.77	4.60	4.31	4.61	4.37	4.42	5.44	5.67	6.39	4.12
15	5.89	4.33	5.20	4.64	4.60	4.63	4.15	4.44	5.54	6.14	5.94	4.14
16	5.66	4.38	7.02	5.06	5.58	4.61	4.01	4.35	5.71	6.10	5.50	4.17
17	5.34	4.42	7.99	6.31	5.85	4.90	4.08	4.37	6.33	5.87	5.11	4.20
18	5.03	4.42	7.88	7.65	5.55	6.15	4.08	4.34	7.36	5.61	4.76	4.22
19	4.78	4.33	7.65	8.28	5.13	6.82	4.08	4.27	7.80	5.33	4.45	4.27
20	4.60	4.37	7.40	8.04	4.80	6.60	4.08	4.18	7.52	5.09	4.30	4.21
21	4.55	4.29	6.98	7.63	4.81	6.14	4.04	4.11	7.01	5.01	4.27	4.23
22	4.57	4.39	6.72	7.98	6.34	5.71	3.91	4.10	6.59	5.38	4.20	4.15
23	4.83	4.45	7.68	8.17	7.43	5.48	3.90	4.14	6.26	5.55	4.16	4.06
24	5.44	4.85	8.45	7.80	7.34	5.83	3.84	4.27	5.90	5.41	4.14	4.11
25	5.92	6.81	8.33	7.44	7.23	6.11	3.83	4.55	6.28	5.16	4.14	4.10
26	5.89	8.38	7.83	7.13	7.56	5.88	3.82	4.71	6.79	5.12	4.18	4.11
27	5.61	8.62	7.31	6.75	7.87	5.55	3.83	4.78	6.57	5.06	4.19	4.10
28	5.29	8.16	6.84	6.39	7.88	5.26	3.78	4.62	6.15	4.97	4.14	4.10
29	5.01	7.55	6.44	6.05	---	5.09	3.78	4.51	5.72	4.83	4.17	4.01
30	4.79	7.03	6.11	5.78	---	4.88	3.79	4.42	5.48	4.68	4.40	3.83
31	4.67	---	5.82	5.52	---	4.67	---	4.50	---	4.57	4.33	---
MAX	5.92	8.62	8.45	8.28	7.88	7.90	4.74	4.78	7.80	6.28	7.21	4.27
MIN	4.32	4.17	4.76	4.60	4.26	4.56	3.78	3.83	4.31	4.57	4.14	3.83

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, Vermillion Parish, Hydrologic Unit 08080202, on southwest side of Citco Wharf, 1.1 mi upstream from State Highway 14 bridge, 3.1 mi downstream from Bayou Queue de Tortue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year (gage height only). Records collected at same site intermittently, 1952-55. Daily stages Mar. 30, 1956 to Sept. 30, 1984 are in reports of the U.S. Army Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 1.78 above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.20 ft Nov. 3, 1985; minimum, 1.18 ft Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 7.50 ft mean low Gulf, May 20, 1980; minimum, -0.17 ft, mean low Gulf, June 17, 1963, from reports of the U.S. Army Corps of Engineers, New Orleans district.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.84 ft Jan. 23; minimum, 2.06 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	2.94	4.09	3.67	3.55	4.39	3.06	2.20	2.75	3.39	2.70	2.53
2	2.83	2.91	3.93	3.58	3.44	4.26	3.02	2.30	2.72	3.46	2.63	2.52
3	2.88	2.90	3.72	3.71	3.25	4.05	2.79	2.32	2.63	3.45	2.58	2.53
4	2.79	3.00	3.58	3.52	3.13	3.80	2.87	2.33	2.55	3.45	2.54	2.53
5	2.72	3.11	3.47	3.50	3.06	3.66	2.84	2.31	2.54	3.40	2.51	2.53
6	2.62	3.08	3.40	3.50	3.01	3.55	2.78	2.30	2.57	3.36	2.50	2.51
7	2.57	3.20	3.38	3.44	2.76	3.42	2.72	2.27	2.62	3.45	2.54	2.50
8	2.69	3.27	3.34	3.33	2.80	3.36	2.69	2.31	2.64	3.62	2.61	2.47
9	2.85	3.13	3.26	3.35	2.62	3.31	2.67	2.35	2.71	3.69	2.62	2.49
10	2.85	3.06	2.96	3.18	2.71	3.11	2.68	2.48	2.80	3.67	3.02	2.52
11	2.89	2.93	3.04	3.00	2.72	2.95	2.67	2.49	3.03	3.61	3.27	2.48
12	2.93	2.83	3.10	2.99	2.62	2.94	2.71	2.51	3.22	3.55	3.26	2.49
13	3.00	2.35	3.07	2.90	2.58	2.91	2.86	2.53	3.28	3.47	3.18	2.44
14	3.12	2.56	3.09	2.89	2.66	2.98	2.63	2.60	3.34	3.48	3.10	2.49
15	3.11	2.69	3.30	2.87	2.85	2.97	2.49	2.53	3.42	3.51	3.02	2.51
16	3.01	2.75	3.76	2.99	2.83	3.00	2.38	2.52	3.48	3.42	2.99	2.51
17	3.02	2.77	3.89	3.28	2.77	3.35	2.47	2.57	3.59	3.35	2.90	2.56
18	2.97	2.77	3.87	3.80	2.73	3.54	2.45	2.59	3.69	3.29	2.78	2.54
19	2.93	2.68	3.86	4.05	2.76	3.55	2.46	2.56	3.71	3.17	2.67	2.55
20	2.89	2.69	3.87	4.16	2.77	3.52	2.46	2.55	3.62	3.18	2.63	2.52
21	2.91	2.66	3.76	4.34	2.82	3.49	2.40	2.49	3.55	3.16	2.62	2.58
22	2.93	2.79	3.74	4.69	3.07	3.49	2.26	2.46	3.49	3.16	2.55	2.50
23	3.15	2.81	4.35	4.80	3.19	3.66	2.26	2.51	3.39	3.16	2.54	2.43
24	3.30	2.97	4.60	4.76	3.28	3.61	2.19	2.59	3.29	3.15	2.52	2.49
25	3.26	3.72	4.65	4.56	3.43	3.50	2.20	2.70	3.29	3.12	2.54	2.48
26	3.20	4.00	4.58	4.31	3.78	3.41	2.19	2.74	3.23	3.09	2.55	2.49
27	3.14	4.06	4.39	4.14	4.01	3.40	2.22	2.84	3.07	3.05	2.53	2.48
28	3.12	4.11	4.19	3.97	4.39	3.39	2.14	2.86	3.08	2.96	2.46	2.47
29	3.06	4.17	4.05	3.86	---	3.24	2.18	2.79	3.11	2.89	2.49	2.37
30	3.01	4.16	3.92	3.67	---	2.92	2.17	2.73	3.19	2.83	2.54	2.20
31	2.99	---	3.77	3.54	---	2.98	---	2.72	---	2.77	2.55	---
MAX	3.30	4.17	4.65	4.80	4.39	4.39	3.06	2.86	3.71	3.69	3.27	2.58
MIN	2.57	2.35	2.96	2.87	2.58	2.91	2.14	2.20	2.54	2.77	2.46	2.20

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 September 1986.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.00 ft below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft lower.

REMARKS.--Records poor. Discharge affected by wind and tide at all stages. No gage-height record, Mar. 20 to Apr. 20. No velocity record, May 27 to July 24.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft May 19, 1980; minimum gage height, 7.25 ft Mar. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge (recorded), 5,260 ft³/s Nov. 26, maximum gage height, 10.20 ft Dec. 24, 25; minimum discharge (recorded), -2,430 ft³/s Aug. 12; minimum gage-height (recorded), 7.65 ft Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	65	1520	440	56	843	---	208	---	---	-527	403
2	57	94	1260	330	507	648	---	207	---	---	-263	424
3	103	-22	638	439	370	500	---	184	---	---	-19	422
4	190	-99	319	983	125	369	---	197	---	---	-20	411
5	154	661	219	896	162	271	---	201	---	---	60	399
6	103	295	76	737	448	240	---	230	---	---	-32	295
7	-82	314	-7.9	709	476	273	---	250	---	---	-543	322
8	-91	723	294	584	141	246	---	219	---	---	-186	369
9	53	650	425	434	7.0	249	---	238	---	---	-59	362
10	243	269	1320	606	-8.6	248	---	323	---	---	-498	246
11	66	350	1730	462	206	247	---	297	---	---	-1480	254
12	95	122	1830	364	271	200	---	246	---	---	-1480	48
13	655	145	1340	396	220	196	---	234	---	---	-1170	39
14	1110	-197	778	297	194	222	---	222	---	---	-798	229
15	1100	-39	857	420	341	231	---	232	---	---	-306	190
16	633	58	2780	483	764	120	---	220	---	---	-150	134
17	240	173	3060	855	668	127	---	241	---	---	-52	-168
18	166	139	2750	1660	376	516	---	254	---	---	75	-26
19	108	41	2730	2040	179	531	---	247	---	---	168	-126
20	65	121	2410	1610	225	---	---	231	---	---	301	-97
21	26	-1	1910	1430	490	---	193	227	---	---	248	190
22	-32	-18	1450	1480	606	---	181	240	---	---	276	327
23	246	116	2900	1210	508	---	175	219	---	---	301	378
24	1120	1180	3490	967	398	---	193	210	---	---	280	164
25	1350	2830	2560	854	550	---	157	227	---	-122	273	219
26	1020	4090	1480	628	736	---	177	256	---	-81	194	125
27	548	3950	1110	393	915	---	201	---	---	-385	207	140
28	202	3560	865	429	923	---	204	---	---	-412	382	150
29	139	2970	694	384	---	---	180	---	---	-230	388	286
30	84	2150	579	389	---	---	221	---	---	-252	221	395
31	85	---	493	104	---	---	---	---	---	-211	325	---
TOTAL	9930	24690	43859.1	23013	10853.4	---	---	---	---	---	-3884	6504
MEAN	320	823	1415	742	388	---	---	---	---	---	-125	217
MAX	1350	4090	3490	2040	923	---	---	---	---	---	388	424
MIN	-91	-197	-7.9	104	-8.6	---	---	---	---	---	-1480	-168

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.57	8.69	9.53	9.35	9.30	9.67	---	7.88	8.44	9.14	8.42	8.26
2	8.56	8.67	9.36	9.30	9.14	9.56	---	8.00	8.42	9.34	8.32	8.22
3	8.61	8.65	9.27	9.48	8.99	9.45	---	8.07	8.35	9.36	8.26	8.23
4	8.52	8.76	9.22	9.29	8.90	9.29	---	8.08	8.26	9.30	8.20	8.23
5	8.43	8.74	9.14	9.29	8.84	9.23	---	8.05	8.27	9.20	8.17	8.23
6	8.38	8.73	9.12	9.28	8.72	9.18	---	8.02	8.29	9.14	8.19	8.20
7	8.33	8.92	9.13	9.18	8.44	9.09	---	7.97	8.37	9.21	8.29	8.17
8	8.44	9.02	9.08	9.07	8.48	9.01	---	8.02	8.41	9.35	8.35	8.15
9	8.64	8.89	9.00	9.08	8.40	8.95	---	8.15	8.48	9.44	8.38	8.18
10	8.61	8.82	8.86	8.88	8.47	8.83	---	8.20	8.58	9.42	8.71	8.21
11	8.64	8.67	8.92	8.72	8.47	8.68	---	8.18	8.90	9.33	8.87	8.19
12	8.67	8.56	8.95	8.70	8.34	8.66	---	8.19	9.15	9.24	8.89	8.19
13	8.71	8.18	8.91	8.63	8.30	8.63	---	8.23	9.17	9.17	8.84	8.16
14	8.85	8.29	8.87	8.69	8.39	8.70	---	8.27	9.17	9.13	8.74	8.19
15	8.86	8.42	9.07	8.64	8.60	8.74	---	8.22	9.22	9.13	8.65	8.21
16	8.76	8.47	9.53	8.77	8.54	8.81	---	8.17	9.22	9.10	8.59	8.24
17	8.75	8.45	9.73	9.07	8.48	9.16	---	8.22	9.34	9.08	8.53	8.28
18	8.71	8.45	9.73	9.53	8.46	9.16	---	8.26	9.44	9.04	8.44	8.23
19	8.68	8.42	9.68	9.78	8.52	9.18	---	8.26	9.46	8.93	8.36	8.28
20	8.66	8.40	9.63	9.82	8.57	---	---	8.25	9.37	8.93	8.34	8.29
21	8.68	8.42	9.50	9.78	8.59	---	8.05	8.18	9.26	8.89	8.32	8.31
22	8.75	8.53	9.51	9.82	8.71	---	7.93	8.16	9.16	8.86	8.25	8.20
23	8.94	8.54	9.94	9.88	8.84	---	7.95	8.21	9.10	8.87	8.25	8.13
24	9.07	8.78	10.16	9.89	8.99	---	7.89	8.28	9.02	8.87	8.23	8.18
25	9.01	9.52	10.18	9.74	9.08	---	7.89	8.42	9.07	8.83	8.26	8.18
26	8.94	9.86	10.09	9.64	9.38	---	7.90	8.50	9.09	8.80	8.27	8.19
27	8.87	9.94	9.95	9.62	9.59	---	7.90	8.48	8.98	8.77	8.23	8.22
28	8.84	9.82	9.80	9.52	9.77	---	7.81	8.66	8.91	8.67	8.16	8.21
29	8.78	9.65	9.68	9.45	---	---	7.88	8.55	8.88	8.59	8.20	8.08
30	8.73	9.58	9.57	9.30	---	---	7.86	8.48	8.90	8.54	8.16	7.83
31	8.72	---	9.44	9.25	---	---	---	8.45	---	8.48	8.15	---
MAX	9.07	9.94	10.18	9.89	9.77	9.67	---	8.66	9.46	9.44	8.89	8.31
MIN	8.33	8.18	8.86	8.63	8.30	---	7.81	7.88	8.26	8.48	8.15	7.83

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 discharge. Records good. Several measurements of water temperature were made during the year. Gage-height telemetry at station.

AVERAGE DISCHARGE.--44 years, 737 ft³/s, 20.06 in/yr, 534,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s May 19, 1953, gage height, 21.55 ft; minimum, 15 ft³/s Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft Oct. 18, 1956.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 27	1200	*19,100	*16.77	Mar. 1	0400	15,300	16.11
Dec. 24	1400	5,150	14.04				

Minimum discharge, 31 ft³/s Aug. 29, 30, 31, minimum gage height, 4.90 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	286	4260	1310	340	14100	317	61	155	116	93	71
2	56	158	3390	723	317	9170	262	59	107	112	69	95
3	50	99	2600	521	324	6030	235	58	100	152	81	108
4	48	80	1800	687	355	4550	226	58	134	157	68	87
5	43	105	979	1000	408	3610	232	63	152	223	57	66
6	39	241	539	1370	437	2920	237	63	317	316	59	56
7	37	296	370	1750	444	2350	218	61	330	330	62	48
8	36	313	291	1990	459	1740	197	63	253	339	55	43
9	73	279	253	2080	469	1230	180	105	156	455	47	39
10	95	322	253	2050	459	1080	168	169	107	552	60	37
11	84	347	293	1650	432	1170	156	270	87	562	70	36
12	62	306	367	1090	394	1300	146	488	78	425	60	36
13	51	260	439	758	344	1380	137	618	98	240	53	36
14	48	216	459	612	288	1290	129	936	132	156	66	35
15	79	171	508	511	404	1020	123	1160	279	116	81	36
16	213	139	829	447	912	719	116	1220	406	95	69	37
17	317	116	1210	718	1040	1150	111	1340	464	85	66	41
18	313	100	1690	2550	1190	2870	105	1280	470	76	58	48
19	208	90	2410	2970	1520	2700	100	967	386	70	50	104
20	121	84	3160	2870	2190	2520	94	635	352	77	45	99
21	81	79	3940	3290	3120	2730	89	431	431	72	41	94
22	63	74	4310	3580	3690	2830	85	281	539	67	39	106
23	57	77	4640	3510	3460	2760	80	166	678	120	37	93
24	56	288	5060	3200	3610	2620	77	123	810	78	36	78
25	58	1800	4870	2590	4310	2070	73	104	674	66	34	71
26	163	5430	4330	1780	5840	1460	70	106	373	65	33	63
27	387	17900	3880	1010	7750	1140	68	97	288	70	32	53
28	536	13300	3570	635	11300	945	66	161	285	61	32	47
29	648	7990	3340	486	---	753	64	221	221	72	32	42
30	655	5510	2880	415	---	569	62	228	153	86	31	39
31	473	---	2160	374	---	417	---	227	---	101	40	---
TOTAL	5212	56456	69080	48527	55806	81193	4223	11819	9015	5512	1656	1844
MEAN	168	1882	2228	1565	1993	2619	141	381	301	178	53.4	61.5
MAX	655	17900	5060	3580	11300	14100	317	1340	810	562	93	108
MIN	36	74	253	374	288	417	62	58	78	61	31	35
CFSM	.34	3.77	4.46	3.14	3.99	5.25	.28	.76	.60	.36	.11	.12
IN.	.39	4.21	5.15	3.62	4.16	6.05	.31	.88	.67	.41	.12	.14
AC-FT	10340	112000	137000	96250	110700	161000	8380	23440	17880	10930	3280	3660
CAL YR 1986	TOTAL 192949	MEAN 529	MAX 17900	MIN 25	CFSM 1.06	IN. 14.38	AC-FT 382700					
WTR YR 1987	TOTAL 350343	MEAN 960	MAX 17900	MIN 31	CFSM 1.92	IN. 26.12	AC-FT 694900					

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.59	8.39	13.75	11.80	8.82	15.90	8.65	5.55	7.10	6.58	6.20	5.76
2	5.45	7.13	13.41	10.67	8.66	14.97	8.22	5.52	6.43	6.51	5.74	6.23
3	5.34	6.30	13.01	9.93	8.71	14.28	7.98	5.49	6.33	7.08	5.98	6.46
4	5.28	5.96	12.36	10.56	8.93	13.85	7.90	5.50	6.84	7.15	5.72	6.09
5	5.17	6.39	11.26	11.33	9.27	13.50	7.96	5.62	7.06	7.85	5.48	5.68
6	5.08	8.01	9.97	11.90	9.45	13.19	8.00	5.60	8.64	8.65	5.51	5.46
7	5.03	8.50	9.02	12.33	9.50	12.85	7.82	5.57	8.75	8.74	5.58	5.29
8	5.00	8.63	8.45	12.55	9.59	12.32	7.60	5.61	8.13	8.81	5.44	5.17
9	5.80	8.36	8.15	12.64	9.64	11.71	7.42	6.38	7.11	9.56	5.28	5.09
10	6.24	8.69	8.14	12.61	9.58	11.49	7.27	7.29	6.44	10.07	5.55	5.03
11	6.03	8.87	8.47	12.23	9.43	11.62	7.13	8.22	6.09	10.11	5.77	5.00
12	5.60	8.57	9.01	11.48	9.19	11.81	7.00	9.75	5.92	9.37	5.55	5.01
13	5.36	8.20	9.46	10.80	8.85	11.92	6.88	10.32	6.28	8.01	5.39	5.01
14	5.29	7.80	9.59	10.30	8.43	11.80	6.77	11.20	6.81	7.13	5.67	4.99
15	5.90	7.31	9.84	9.87	9.11	11.37	6.68	11.61	8.33	6.57	5.99	5.00
16	7.74	6.90	10.96	9.52	11.17	10.67	6.58	11.69	9.26	6.24	5.75	5.05
17	8.65	6.58	11.68	10.17	11.42	11.17	6.50	11.87	9.61	6.06	5.67	5.14
18	8.62	6.33	12.26	12.98	11.65	13.15	6.41	11.79	9.65	5.88	5.50	5.29
19	7.70	6.16	12.89	13.22	12.08	13.08	6.32	11.27	9.13	5.77	5.34	6.38
20	6.65	6.03	13.31	13.17	12.71	12.98	6.22	10.37	8.91	5.90	5.22	6.31
21	5.99	5.94	13.63	13.37	13.29	13.10	6.13	9.41	9.42	5.80	5.14	6.22
22	5.61	5.85	13.77	13.49	13.54	13.15	6.05	8.36	10.00	5.70	5.08	6.41
23	5.47	5.90	13.88	13.46	13.44	13.11	5.97	7.24	10.54	6.61	5.03	6.20
24	5.45	8.00	14.01	13.33	13.50	13.03	5.90	6.68	10.96	5.93	5.00	5.92
25	5.50	12.30	13.95	13.01	13.77	12.62	5.83	6.39	10.51	5.68	4.97	5.79
26	7.10	13.90	13.77	12.34	14.23	12.01	5.77	6.43	9.03	5.66	4.94	5.60
27	9.13	16.58	13.61	11.33	14.69	11.57	5.72	6.27	8.43	5.76	4.93	5.40
28	9.99	15.77	13.49	10.38	15.39	11.24	5.67	7.17	8.41	5.56	4.93	5.26
29	10.44	14.73	13.39	9.74	---	10.79	5.63	7.85	7.84	5.80	4.91	5.16
30	10.46	14.14	13.17	9.32	---	10.13	5.59	7.91	7.09	6.07	4.90	5.08
31	9.65	---	12.69	9.05	---	9.33	---	7.90	---	6.33	5.11	---
MAX	10.46	16.58	14.01	13.49	15.39	15.90	8.65	11.87	10.96	10.11	6.20	6.46
MIN	5.00	5.85	8.14	9.05	8.43	9.33	5.59	5.49	5.92	5.56	4.90	4.99

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 Whiskey 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 good. Prior to November 1981 paper mill at Elizabeth pumps about 11 ft³/s of water from wells which was discharged in to Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

AVERAGE DISCHARGE.--51 years (water years 1923-24, 1939-87) 1,149 ft³/s, 20.72 in/yr, 832,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft³/s May 19, 1953, gage height, 26.53 ft; minimum, 30 ft³/s Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.23 ft Sept. 20, 21, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 30	0330	*13,700	*18.35	Mar. 3	0500	13,100	18.25
Jan. 19	0530	10,400	17.64				

Minimum discharge, 56 ft³/s Sept. 15, 16; minimum gage height, 1.45 ft Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	440	8590	2490	729	8920	840	101	407	499	192	86
2	110	448	6200	2190	637	10500	693	100	316	530	228	85
3	96	372	4620	1940	590	12400	556	97	266	399	193	78
4	87	267	3590	2110	560	9070	461	95	205	296	144	91
5	80	237	2840	1900	534	6650	403	97	206	244	117	103
6	73	227	2230	1490	528	5020	373	107	199	228	108	102
7	68	259	1660	1250	543	3930	357	282	204	228	108	90
8	65	359	1170	1160	568	3210	349	218	235	317	140	80
9	62	524	841	1190	570	2700	338	145	288	786	134	75
10	61	636	1040	1300	561	2250	318	123	292	1200	124	79
11	65	575	1140	1430	555	1770	298	132	251	1350	381	70
12	97	437	919	1480	547	1370	280	177	217	1130	1110	66
13	125	362	728	1450	529	1180	264	246	471	779	512	63
14	153	331	627	1310	502	1120	248	391	698	592	256	59
15	139	299	763	1110	622	1140	233	506	622	500	162	57
16	105	268	1750	1060	1270	1150	222	881	485	408	127	58
17	93	238	2100	1690	1600	1920	208	943	389	303	121	59
18	138	208	2210	6220	1650	5460	196	857	392	237	111	62
19	205	182	2870	9950	1380	6410	186	869	421	200	101	62
20	247	162	2900	8800	1190	5810	178	899	428	169	94	62
21	235	146	2590	6410	1730	4600	172	882	448	148	88	75
22	184	137	2470	4560	2640	3150	161	771	512	137	81	95
23	153	242	3390	3450	3290	2420	152	605	400	134	76	95
24	160	2110	4350	2990	3700	2610	143	445	420	123	72	97
25	157	4960	4990	2910	4230	2830	135	323	492	147	69	97
26	142	6010	5080	2780	5280	2720	129	267	574	173	66	90
27	122	5190	4640	2530	7060	2420	122	250	626	159	64	82
28	132	4620	4030	2120	8230	1910	118	227	550	147	64	77
29	218	9190	3480	1600	---	1430	114	204	395	119	63	71
30	308	12500	3040	1170	---	1150	107	225	353	107	63	65
31	386	---	2730	891	---	986	---	277	---	109	68	---
TOTAL	4400	51936	89578	82931	51825	118206	8354	11742	11762	11898	5237	2331
MEAN	142	1731	2890	2675	1851	3813	278	379	392	384	169	77.7
MAX	386	12500	8590	9950	8230	12400	840	943	698	1350	1110	103
MIN	61	137	627	891	502	986	107	95	199	107	63	57
CFSM	.19	2.30	3.84	3.55	2.46	5.06	.37	.50	.52	.51	.22	.10
IN.	.22	2.57	4.43	4.10	2.56	5.84	.41	.58	.58	.59	.26	.12
AC-FT	8730	103000	177700	164500	102800	234500	16570	23290	23330	23600	10390	4620
CAL YR 1986	TOTAL 222536	MEAN 610	MAX 12500	MIN 40	CFSM .81	IN. 10.99	AC-FT 441400					
WTR YR 1987	TOTAL 450200	MEAN 1233	MAX 12500	MIN 57	CFSM 1.64	IN. 22.24	AC-FT 893000					

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.17	4.05	16.99	10.75	5.42	17.16	6.06	2.29	4.18	4.62	2.96	2.12
2	1.96	4.09	15.69	10.12	5.03	17.65	5.47	2.28	3.70	4.76	3.19	2.10
3	1.82	3.69	14.23	9.49	4.82	18.11	4.88	2.24	3.42	4.14	2.97	2.03
4	1.73	3.09	12.77	9.93	4.68	17.18	4.44	2.22	3.04	3.59	2.63	2.18
5	1.66	2.92	11.45	9.39	4.55	15.99	4.16	2.24	3.05	3.29	2.42	2.30
6	1.60	2.85	10.20	8.29	4.53	14.67	4.01	2.34	3.01	3.19	2.35	2.29
7	1.55	3.05	8.75	7.48	4.60	13.30	3.92	3.50	3.04	3.19	2.34	2.16
8	1.52	3.62	7.17	7.10	4.72	12.13	3.88	3.12	3.23	3.70	2.60	2.04
9	1.49	4.47	5.88	7.24	4.72	11.17	3.82	2.64	3.55	5.83	2.56	1.98
10	1.48	5.00	6.64	7.65	4.68	10.23	3.71	2.48	3.57	7.57	2.48	2.04
11	1.52	4.71	7.06	8.10	4.65	9.07	3.60	2.54	3.33	7.88	3.98	1.92
12	1.83	4.03	6.20	8.27	4.61	7.92	3.50	2.86	3.12	7.11	7.05	1.88
13	2.09	3.64	5.42	8.18	4.53	7.28	3.41	3.30	4.45	5.82	4.66	1.84
14	2.33	3.47	4.99	7.69	4.40	7.10	3.31	4.09	5.50	5.04	3.35	1.79
15	2.21	3.29	5.54	6.93	4.93	7.15	3.22	4.65	5.17	4.63	2.75	1.77
16	1.91	3.10	8.99	6.75	7.54	7.17	3.15	6.21	4.55	4.18	2.50	1.79
17	1.79	2.92	9.89	8.59	8.59	9.05	3.06	6.45	4.09	3.63	2.46	1.80
18	2.20	2.72	10.16	15.35	8.75	15.02	2.99	6.13	4.10	3.25	2.38	1.83
19	2.69	2.54	11.52	17.53	7.93	15.86	2.92	6.18	4.25	3.01	2.29	1.83
20	2.97	2.39	11.56	17.09	7.23	15.42	2.87	6.29	4.29	2.81	2.21	1.83
21	2.90	2.28	10.96	15.83	8.94	14.17	2.83	6.23	4.38	2.66	2.14	1.99
22	2.55	2.19	10.71	14.14	11.05	12.01	2.75	5.79	4.68	2.58	2.06	2.22
23	2.33	2.81	12.42	12.54	12.27	10.62	2.69	5.10	4.15	2.55	2.00	2.22
24	2.38	9.66	13.91	11.74	12.95	10.99	2.62	4.36	4.24	2.47	1.95	2.24
25	2.36	14.50	14.65	11.59	13.76	11.44	2.56	3.74	4.59	2.64	1.91	2.24
26	2.24	15.58	14.75	11.33	14.91	11.22	2.52	3.43	4.96	2.83	1.88	2.16
27	2.06	14.85	14.28	10.84	16.25	10.60	2.47	3.32	5.19	2.74	1.86	2.07
28	2.15	14.25	13.46	9.95	16.86	9.41	2.43	3.19	4.86	2.65	1.85	2.01
29	2.78	16.93	12.58	8.58	---	8.11	2.40	3.04	4.12	2.44	1.84	1.94
30	3.33	18.11	11.83	7.14	---	7.20	2.34	3.17	3.90	2.34	1.84	1.87
31	3.76	---	11.24	6.09	---	6.61	---	3.48	---	2.35	1.90	---
MAX	3.76	18.11	16.99	17.53	16.86	18.11	6.06	6.45	5.50	7.88	7.05	2.30
MIN	1.48	2.19	4.99	6.09	4.40	6.61	2.34	2.22	3.01	2.34	1.84	1.77

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: Apr. 7 to May 5. Records good, except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 812 ft³/s, 21.62 in/yr, 588,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft³/s May 18, 1953, gage height, 32.8 ft, from floodmark from rating curve extended above 37,000 ft³/s on basis of slope-area measurement of peak flow; minimum, 88 ft³/s Oct. 19, 20, 1956; minimum gage height, 2.41 ft Sept. 9, 10, 11, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1230	6,790	16.56	Mar. 18	1230	3,610	12.73
Jan. 19	1230	7,500	17.26	July 9	0700	3,390	12.36
Mar. 1	1400	*9,740	*18.96				

Minimum discharge, 169 ft³/s Sept. 7, 8, 10, 11, gage height, 2.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	187	1170	557	487	9370	501	240	326	578	268	255
2	200	183	847	520	463	8310	487	230	289	665	249	273
3	186	179	712	520	451	6060	473	220	273	742	247	238
4	178	180	611	1310	520	3170	461	210	266	827	257	216
5	174	204	536	1790	512	1630	470	210	260	557	232	199
6	171	399	485	1850	453	1150	464	375	250	406	221	190
7	169	711	448	1300	428	970	440	375	260	338	216	184
8	169	557	416	811	418	887	400	370	245	1980	228	181
9	170	426	399	688	436	897	380	440	238	3200	271	178
10	170	431	397	642	416	1090	380	360	256	2530	265	178
11	169	351	415	611	382	1000	360	356	313	2080	283	179
12	178	288	569	614	359	800	350	459	428	1220	579	201
13	187	248	550	546	345	739	350	410	1450	632	427	247
14	190	227	473	501	341	729	350	514	1920	486	297	225
15	285	218	499	487	526	658	340	777	1980	411	247	202
16	360	212	1520	529	1700	607	330	774	1640	378	225	197
17	256	207	1980	1130	1520	1100	330	707	1190	348	215	220
18	214	204	2040	5800	1380	3400	320	555	1240	322	209	318
19	196	207	2620	7420	836	3040	320	424	1690	301	204	420
20	186	216	2560	7150	571	2880	310	361	1250	286	200	321
21	180	207	2290	5610	1260	2560	290	322	703	274	197	254
22	176	208	1840	3710	2070	1630	270	299	560	272	194	236
23	180	308	2040	1960	2350	988	260	285	442	359	190	214
24	182	1050	2670	1250	2370	921	270	275	425	635	187	198
25	183	2560	2530	955	2480	1050	260	330	489	592	184	190
26	303	3450	2370	807	2880	1050	260	375	372	366	183	184
27	424	5090	1690	735	5030	804	260	364	340	504	182	181
28	279	6620	1040	658	6590	670	250	335	331	389	183	178
29	225	5710	772	588	---	600	240	319	299	380	188	177
30	206	3070	670	548	---	552	240	303	291	333	264	175
31	195	---	603	517	---	520	---	440	---	283	242	---
TOTAL	6530	34108	37762	52114	37574	59832	10416	12014	20016	22674	7534	6609
MEAN	211	1137	1218	1681	1342	1930	347	388	667	731	243	220
MAX	424	6620	2670	7420	6590	9370	501	777	1980	3200	579	420
MIN	169	179	397	487	341	520	240	210	238	272	182	175
CFSM	.41	2.23	2.39	3.30	2.63	3.78	.68	.76	1.31	1.43	.48	.43
IN.	.48	2.49	2.75	3.80	2.74	4.36	.76	.88	1.46	1.65	.55	.48
AC-FT	12950	67650	74900	103400	74530	118700	20660	23830	39700	44970	14940	13110

CAL YR 1986	TOTAL 181365	MEAN 497	MAX 6620	MIN 169	CFSM .97	IN. 13.23	AC-FT 359700
WTR YR 1987	TOTAL 307183	MEAN 842	MAX 9370	MIN 169	CFSM 1.65	IN. 22.41	AC-FT 609300

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.66	2.64	6.57	4.46	4.44	18.72	4.13	---	3.45	4.51	3.20	3.13
2	2.74	2.61	5.52	4.32	4.34	17.94	4.07	---	3.27	4.86	3.11	3.22
3	2.63	2.58	5.03	4.31	4.29	15.79	4.02	---	3.18	5.14	3.09	3.05
4	2.57	2.58	4.67	6.99	4.58	11.70	3.96	---	3.14	5.44	3.15	2.92
5	2.54	2.77	4.38	8.48	4.54	7.98	4.01	---	3.11	4.46	3.02	2.82
6	2.52	3.78	4.17	8.64	4.30	6.52	3.98	3.55	3.07	3.84	2.96	2.76
7	2.50	5.02	4.02	6.99	4.19	5.94	---	3.63	3.12	3.53	2.92	2.72
8	2.50	4.46	3.88	5.39	4.15	5.66	---	3.62	3.04	8.76	2.99	2.70
9	2.51	3.93	3.81	4.94	4.23	5.69	---	3.93	3.00	11.99	3.21	2.68
10	2.51	3.95	3.80	4.78	4.14	6.32	---	3.57	3.10	10.48	3.18	2.68
11	2.50	3.59	3.88	4.67	3.99	6.04	---	3.55	3.40	9.28	3.27	2.69
12	2.57	3.28	4.51	4.68	3.89	5.35	---	4.01	3.92	6.71	4.54	2.83
13	2.64	3.07	4.43	4.42	3.82	5.13	---	3.80	7.44	4.74	3.92	3.09
14	2.67	2.94	4.12	4.24	3.80	5.09	---	4.23	8.85	4.18	3.33	2.98
15	3.24	2.87	4.22	4.18	4.50	4.84	---	5.24	9.02	3.86	3.10	2.84
16	3.63	2.83	7.64	4.35	8.21	4.65	---	5.23	8.02	3.72	2.98	2.81
17	3.11	2.79	9.01	6.26	7.72	6.19	---	4.98	6.65	3.57	2.92	2.95
18	2.84	2.77	9.19	15.45	7.32	12.35	---	4.41	6.79	3.45	2.88	3.43
19	2.71	2.80	10.69	17.18	5.66	11.67	---	3.87	8.19	3.35	2.85	3.90
20	2.63	2.86	10.56	16.91	4.78	11.34	---	3.60	6.82	3.28	2.82	3.45
21	2.59	2.80	9.86	15.31	6.93	10.54	---	3.41	5.00	3.23	2.81	3.13
22	2.56	2.80	8.59	12.76	9.26	8.01	---	3.30	4.47	3.22	2.78	3.04
23	2.59	3.30	9.15	8.93	10.01	5.95	---	3.23	3.99	3.63	2.76	2.91
24	2.60	6.17	10.81	6.93	10.08	5.72	---	3.17	3.92	4.73	2.74	2.81
25	2.61	10.49	10.46	6.05	10.35	6.18	---	3.45	4.19	4.58	2.72	2.76
26	3.30	12.46	10.06	5.58	11.19	6.17	---	3.67	3.69	3.66	2.71	2.72
27	3.91	14.69	8.17	5.34	14.65	5.29	---	3.62	3.54	4.24	2.70	2.70
28	3.23	16.38	6.16	5.08	16.34	4.79	---	3.48	3.49	3.76	2.71	2.68
29	2.92	15.42	5.25	4.84	---	4.53	---	3.41	3.34	3.72	2.74	2.67
30	2.78	11.40	4.88	4.69	---	4.34	---	3.33	3.30	3.50	3.15	2.66
31	2.70	---	4.64	4.56	---	4.21	---	3.96	---	3.27	3.07	---
MAX	3.91	16.38	10.81	17.18	16.34	18.72	---	5.24	9.02	11.99	4.54	3.90
MIN	2.50	2.58	3.80	4.18	3.80	4.21	---	3.17	3.00	3.22	2.70	2.66

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: Apr. 27 to May 5, June 7-8, Aug. 6-9, 17-30, and Sept. 4-16, 18. 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.--47 years (water years 1923-24, 1939-57, 1962-87), 2,586 ft³/s, 1,874,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft³/s May 19, 1953, gage height, 32.00 ft; minimum, 136 ft³/s Aug. 15, 1956; minimum gage height, 1.42 ft Sept. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,300 ft³/s Mar. 2, gage height, 18.60 ft; minimum, 386 ft³/s Oct. 11, 12, gage height, 1.55 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	552	799	17100	3990	1830	21700	1780	460	1020	2340	740	760
2	527	826	11200	3630	1620	24000	1570	450	926	3310	799	690
3	509	802	7860	3450	1490	22900	1360	430	790	3290	767	660
4	467	719	6020	4360	1450	21400	1200	420	692	2820	732	630
5	441	706	5100	5020	1500	14600	1090	420	644	1950	684	610
6	424	772	3900	4910	1420	9450	1040	576	641	1460	660	580
7	407	1250	3270	4410	1370	6890	993	652	630	1280	650	530
8	400	1650	2520	3330	1350	5900	935	813	620	1770	740	490
9	405	1700	1970	2840	1340	4930	899	901	654	4030	800	470
10	401	1530	2150	2560	1330	4320	879	927	713	4710	775	510
11	391	1340	2560	2600	1280	3890	829	749	781	4790	1100	520
12	457	1130	2330	2670	1230	3250	793	737	951	3990	1670	610
13	592	942	2010	2660	1190	2660	771	1040	1580	2830	1960	820
14	616	854	1740	2550	1150	2380	768	1310	3500	2030	1380	640
15	628	795	1980	2350	1410	2270	737	1710	4020	1630	985	530
16	736	747	4170	2380	3830	2190	721	2840	4040	1370	794	470
17	720	708	5280	3950	4210	3450	722	3440	3920	1190	720	698
18	634	668	5860	11100	4090	9270	690	2630	3960	1040	680	650
19	622	630	7030	20500	3490	11900	653	2190	4110	929	640	780
20	639	669	8240	22800	2820	11200	624	1930	3530	839	590	837
21	642	650	7870	20400	3450	10100	592	1760	2600	782	560	742
22	608	603	7010	16700	5590	8040	559	1580	1920	754	530	660
23	614	625	7330	12400	6280	5690	530	1350	1650	788	490	603
24	697	2980	8630	7460	6940	4820	536	1140	1410	876	470	564
25	642	7510	9520	5380	7960	4410	522	1020	1650	1130	460	532
26	611	10700	9290	4800	10500	4400	522	1130	1630	1030	430	500
27	763	12900	9000	4230	14000	4200	500	1090	1490	939	420	480
28	766	14500	7960	3870	17900	3740	490	925	1430	1060	410	452
29	696	14700	5940	3390	---	3100	480	844	1230	901	520	431
30	716	15700	5160	2760	---	2450	470	841	1170	827	760	414
31	758	---	4480	2180	---	2070	---	891	---	747	823	---
TOTAL	18081	100105	184480	195630	112020	241570	24255	37196	53902	57432	23739	17863
MEAN	583	3337	5951	6311	4001	7793	809	1200	1797	1853	766	595
MAX	766	15700	17100	22800	17900	24000	1780	3440	4110	4790	1960	837
MIN	391	603	1740	2180	1150	2070	470	420	620	747	410	414
AC-FT	35860	198600	365900	388000	222200	479200	48110	73780	106900	113900	47090	35430
CAL YR 1986	TOTAL 596245		MEAN 1634		MAX 17100		MIN 322		AC-FT 1183000			
WTR YR 1987	TOTAL 1066273		MEAN 2921		MAX 24000		MIN 391		AC-FT 2115000			

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.15	3.11	17.33	10.84	6.63	18.17	6.67	---	4.26	7.55	3.10	3.16
2	2.04	3.21	16.07	10.28	6.12	18.56	6.21	---	4.01	9.73	3.29	2.95
3	1.98	3.12	14.78	9.99	5.80	18.39	5.70	---	3.63	9.68	3.18	2.84
4	1.84	2.79	13.56	11.01	5.69	18.14	5.26	---	3.31	8.71	3.07	---
5	1.75	2.73	12.28	12.20	5.82	16.98	4.94	---	3.16	6.59	2.90	---
6	1.69	3.00	10.99	12.07	5.62	15.49	4.80	3.35	3.15	5.26	---	---
7	1.62	4.62	9.63	11.43	5.48	14.22	4.66	3.60	---	4.72	---	---
8	1.60	5.79	8.05	10.10	5.44	13.12	4.50	4.12	---	6.08	---	---
9	1.61	5.91	6.66	8.76	5.40	12.09	4.39	4.39	3.19	10.31	---	---
10	1.60	5.43	7.14	8.17	5.37	11.31	4.32	4.47	3.38	11.82	3.21	---
11	1.57	4.90	8.17	8.27	5.24	10.69	4.17	3.91	3.60	11.93	4.18	---
12	1.79	4.29	7.61	8.40	5.11	9.60	4.05	3.88	4.08	11.16	5.83	---
13	2.27	3.66	6.78	8.38	4.99	8.49	3.99	4.80	5.70	9.08	6.63	---
14	2.37	3.32	6.02	8.15	4.88	7.96	3.98	5.62	9.61	6.83	5.00	---
15	2.42	3.09	6.67	7.67	5.55	7.71	3.88	6.16	10.88	5.72	3.85	---
16	2.86	2.90	10.39	7.74	9.87	7.54	3.82	8.70	10.91	4.99	3.27	---
17	2.79	2.74	12.49	9.89	11.16	9.10	3.83	9.95	10.74	4.45	---	2.96
18	2.44	2.58	13.09	14.95	10.99	14.51	3.73	8.31	10.79	4.02	---	---
19	2.39	2.43	14.04	17.97	10.36	16.11	3.61	7.24	11.01	3.69	---	3.22
20	2.46	2.59	14.76	18.38	8.78	15.89	3.51	6.59	10.44	3.41	---	3.41
21	2.48	2.51	14.56	17.97	9.53	15.51	3.40	6.18	8.21	3.23	---	3.10
22	2.33	2.31	14.07	17.26	12.32	14.88	3.30	5.74	6.52	3.14	---	2.84
23	2.36	2.40	14.25	16.22	13.47	13.39	3.20	5.13	5.79	3.25	---	2.65
24	2.70	8.58	14.94	14.68	14.00	11.96	3.22	4.58	5.11	3.53	---	2.52
25	2.47	13.66	15.31	13.02	14.61	11.43	3.18	4.27	5.79	4.28	---	2.42
26	2.35	15.72	15.23	11.94	15.63	11.41	3.18	4.56	5.73	3.98	---	2.32
27	2.96	16.40	15.12	11.19	16.65	11.14	---	4.44	5.32	3.72	---	2.25
28	2.98	16.79	14.60	10.65	17.49	10.45	---	4.01	5.15	4.08	---	2.17
29	2.70	16.83	13.49	9.86	---	9.31	---	3.79	4.59	3.60	---	2.10
30	2.78	17.04	12.36	8.65	---	8.10	---	3.78	4.39	3.37	---	2.04
31	2.94	---	11.52	7.45	---	7.30	---	3.92	---	3.12	3.36	---
MAX	2.98	17.04	17.33	18.38	17.49	18.56	6.67	9.95	11.01	11.93	6.63	3.41
MIN	1.57	2.31	6.02	7.45	4.88	7.30	---	---	---	3.12	---	---

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 1986 TO SEPTEMBER 1987

		DIS- CHARGE, IN CUBIC FEET PER SECOND	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	
OCT												
24...	0930	—	716	61	6.90	19.0	50	18	8.2	1.3	>24000	
FEB												
06...	0945	--	1420	46	6.70	14.5	40	11	9.3	0.8	K20	
MAY												
01...	1415	460	—	62	6.90	25.0	40	8.3	8.4	2.1	<2	
JUL												
14...	1100	—	2030	39	6.50	28.0	70	23	7.1	1.5	42	
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)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT												
24...	K13000	11	3.1	0.90	6.7	2.2	13	2.8	6.4	<0.1	17	
FEB												
06...	110	10	2.5	0.80	4.6	1.0	10	2.0	4.4	<0.1	17	
MAY												
01...	130	12	2.8	1.1	7.1	1.4	21	5.3	5.9	<0.1	25	
JUL												
14...	190	9	2.4	0.78	3.0	1.3	8	3.6	3.3	<0.1	11	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- 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 (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT												
24...	64	47	0.10	0.02	0.04	0.6	0.15	0.08	0.05	80	<1	
FEB												
06...	39	39	0.16	0.04	0.02	0.5	0.17	0.04	0.02	100	<1	
MAY												
01...	55	61	0.12	0.02	0.02	0.7	0.06	0.06	0.02	80	3	
JUL												
14...	49	27	<0.10	0.05	0.07	0.8	0.12	0.03	0.02	130	<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).

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

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 24...	31	<0.5	<1	<1	<3	4	180	<5	<4	27	0.1
FEB 06...	35	1	<1	<1	<3	1	280	<5	<4	65	<0.1
MAY 01...	28	<0.5	<1	<1	<3	1	280	<5	<4	18	<0.1
JUL 14...	35	<0.5	3	1	3	6	360	5	<4	85	<0.1

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 24...	<10	4	<1	<1	24	<6	--	--	--	--
FEB 06...	<10	<1	<1	<1	18	<6	15	22	84	87
MAY 01...	<10	<1	<1	<1	31	<6	13	14	17	97
JUL 14...	<10	2	<1	1	18	<6	12	37	203	93

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

CALCASIEU RIVER BASIN

307

08017035 CALCASIEU RIVER AT SALTWATER BARRIER CONTROL STRUCTURE (WEST SIDE), AT LAKE CHARLES, LA

LOCATION.--Lat 30°15'13", long 93°13'06", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, on north-west fender wall of lock at saltwater barrier control structure, and 1.9 mi north of Lake Charles.

DRAINAGE AREA.--Approximately 3,130 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1.54 ft below National Geodetic Vertical Datum of 1929 or 2.32 ft below mean low gulf level.

REMARKS.--Flow is regulated by saltwater barrier control structure and is tide and wind affected at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (recorded), 4.99 ft Oct. 21, 1985, but may have been higher during periods of no gage-height record; minimum, 0.21 ft Feb. 7, 1987.

EXTREMES FOR CURRENT PERIOD.--Maximum gage-height 4.72 ft Mar. 17; minimum 0.21 ft Feb. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.23	2.55	3.36	2.53	2.66	2.83	1.83	1.84	2.62	2.87	2.05	2.24
2	3.29	2.77	2.50	2.27	2.05	2.58	1.87	2.23	2.55	2.68	1.99	2.24
3	3.59	2.83	2.04	3.12	1.89	2.65	1.38	2.48	2.36	2.67	2.03	2.24
4	3.13	3.24	2.56	1.23	2.22	2.50	1.70	2.34	2.02	2.66	2.08	2.28
5	2.83	2.64	2.56	1.97	2.40	2.67	1.86	2.10	1.95	2.65	2.16	2.52
6	2.49	2.44	2.69	2.56	2.04	2.73	1.72	1.88	2.20	2.77	2.20	2.59
7	2.41	2.95	2.84	2.36	1.15	2.96	1.57	1.66	2.69	2.89	2.24	2.41
8	2.83	2.88	2.70	2.05	1.60	2.72	1.56	1.72	2.96	3.13	2.40	2.23
9	2.93	2.49	2.64	2.59	1.48	2.36	1.55	1.90	3.10	2.99	2.49	2.12
10	2.47	2.58	1.66	1.79	1.86	2.07	1.82	1.96	3.17	3.01	2.93	2.09
11	2.92	2.38	2.06	1.22	1.89	1.97	1.96	2.09	3.18	2.98	2.30	2.21
12	2.85	2.25	1.82	1.37	1.82	2.09	2.33	2.14	3.20	2.88	1.94	1.97
13	2.54	1.24	1.73	1.74	1.75	2.04	2.88	2.16	3.00	2.69	1.99	1.97
14	2.40	2.15	2.48	2.23	2.12	2.56	2.03	2.13	2.77	2.32	1.98	2.17
15	2.40	2.56	2.57	2.38	2.67	2.61	1.75	1.88	2.74	2.22	2.02	2.25
16	2.27	2.88	2.69	2.51	1.65	2.88	1.59	1.79	2.62	2.18	2.07	2.45
17	2.58	2.67	2.54	2.80	1.65	3.95	1.91	2.02	2.67	2.33	1.99	2.51
18	2.39	2.68	2.47	3.29	1.47	3.59	1.98	2.11	2.65	2.44	1.96	2.68
19	2.42	2.45	2.38	2.14	1.80	3.21	1.89	2.14	2.59	2.45	1.91	2.28
20	2.74	2.55	2.47	2.38	2.12	3.13	1.83	2.27	2.77	2.82	1.94	2.15
21	2.89	2.39	2.44	2.66	1.90	3.16	1.72	2.27	2.75	2.65	1.97	2.49
22	3.12	2.88	2.98	2.55	1.89	3.14	1.33	2.12	2.69	2.59	1.86	2.28
23	3.33	2.84	3.44	2.13	1.74	3.48	1.48	2.17	2.67	2.75	1.96	2.17
24	3.13	3.03	2.42	2.59	2.58	3.16	1.41	2.27	2.63	2.87	2.15	2.38
25	2.24	3.50	2.65	2.08	2.55	2.80	1.46	2.53	2.34	2.79	2.36	2.37
26	2.43	2.68	2.72	1.62	3.37	2.95	1.52	2.81	2.11	2.59	2.36	2.43
27	2.51	2.82	2.70	2.02	3.52	2.91	1.51	3.16	2.14	2.45	2.17	2.64
28	2.46	2.91	2.45	2.05	3.78	2.85	1.45	3.28	2.54	2.30	1.99	2.70
29	2.44	3.00	2.70	2.17	---	2.48	1.57	3.07	2.82	2.22	2.00	2.24
30	2.47	3.13	2.54	1.99	---	1.22	1.71	2.76	2.84	2.20	2.15	1.87
31	2.70	---	2.58	2.00	---	1.33	---	2.63	---	2.02	2.15	---
MAX	3.59	3.50	3.44	3.29	3.78	3.95	2.88	3.28	3.20	3.13	2.93	2.70
MIN	2.24	1.24	1.66	1.22	1.15	1.22	1.33	1.66	1.95	2.02	1.86	1.87

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, 8.15 ft Mar. 17, 1987; 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, 8.15 ft Mar. 17; minimum gage height, 3.70 ft Mar 31.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.92	6.32	6.92	6.20	6.31	6.15	5.59	5.55	6.39	6.25	5.70	5.65
2	6.84	6.52	6.05	6.03	5.79	6.07	5.62	5.95	6.29	6.07	5.62	5.92
3	7.19	6.59	5.70	6.70	5.66	6.15	5.08	6.19	6.06	6.10	5.70	5.98
4	6.82	6.97	6.19	4.80	5.98	6.05	5.49	6.00	5.73	6.14	5.77	5.96
5	6.58	6.33	6.15	5.74	6.12	6.23	5.65	5.78	5.67	6.15	5.82	6.16
6	6.25	6.18	6.28	6.23	5.74	6.33	5.49	5.55	5.92	6.25	5.87	6.25
7	6.18	6.65	6.43	6.08	4.88	6.56	5.35	5.37	6.42	6.35	5.93	6.04
8	6.59	6.55	6.37	5.82	4.99	6.29	5.35	5.47	6.69	6.57	6.10	5.87
9	6.65	6.30	6.32	6.26	5.13	6.01	5.31	5.61	6.77	6.43	6.22	5.65
10	6.23	6.26	5.46	5.50	5.52	5.76	5.56	5.64	6.72	6.46	6.63	5.62
11	6.67	6.16	5.83	4.98	5.54	5.65	5.72	5.78	6.71	6.46	5.97	5.68
12	6.60	6.01	5.54	5.12	5.49	5.77	6.07	5.83	6.67	6.36	5.65	5.44
13	6.23	5.05	5.56	5.45	5.44	5.77	6.61	5.86	6.46	6.21	5.69	5.41
14	6.14	5.84	6.21	5.93	5.83	6.24	5.76	5.83	6.21	5.80	5.67	5.64
15	6.13	6.29	6.30	6.16	6.29	6.30	5.49	5.58	6.16	5.60	5.67	5.67
16	6.03	6.59	6.29	6.23	5.20	6.61	5.32	5.50	6.04	5.50	5.73	5.75
17	6.34	6.39	6.19	6.44	5.26	7.53	5.63	5.71	6.10	5.88	5.66	5.61
18	6.15	6.45	6.14	6.65	5.20	7.10	5.71	5.79	6.07	5.99	5.64	5.75
19	6.19	6.21	6.01	5.50	5.62	6.78	5.66	5.85	6.04	6.01	5.55	5.34
20	6.52	6.31	6.14	5.80	5.88	6.70	5.61	5.94	6.23	6.25	5.60	5.51
21	6.63	6.14	6.13	6.07	5.69	6.72	5.47	5.97	6.24	5.92	5.63	6.09
22	6.89	6.62	6.67	5.77	5.60	6.76	5.01	5.83	6.18	6.12	5.51	5.86
23	7.09	6.56	6.90	5.68	5.53	7.04	5.23	5.87	6.15	6.29	5.63	5.85
24	6.79	6.63	6.05	6.15	6.26	6.75	5.17	5.98	6.09	6.45	5.82	6.00
25	6.00	6.92	6.34	5.61	6.21	6.42	5.24	6.24	5.85	6.39	6.02	5.99
26	6.13	6.11	6.42	5.33	6.84	6.56	5.28	6.51	5.57	6.23	5.97	6.02
27	6.24	6.39	6.40	5.70	6.91	6.70	5.28	6.84	5.63	6.09	5.80	6.17
28	6.22	6.50	6.19	5.69	7.03	6.58	5.21	6.95	6.04	5.92	5.62	6.19
29	6.17	6.60	6.36	5.80	---	6.16	5.24	6.80	6.32	5.85	5.53	5.25
30	6.23	6.76	6.21	5.66	---	4.87	5.40	6.53	6.29	5.84	5.59	5.40
31	6.44	---	6.27	5.75	---	4.93	---	6.39	---	5.68	5.47	---
MAX	7.19	6.97	6.92	6.70	7.03	7.53	6.61	6.95	6.77	6.57	6.63	6.25
MIN	6.00	5.05	5.46	4.80	4.88	4.87	5.01	5.37	5.57	5.50	5.47	5.25

SABINE RIVER BASIN

309

08023000 BAYOU CASTOR NEAR LOGANSFORT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", In SW 1/4 NW 1/4 sec.1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi east of Logansfort, and 2.5 mi upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi².

PERIOD OF RECORD.--Water years 1966-1969, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: January 1983 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: January 1983 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 320 mg/L Feb. 12, 1984; minimum daily mean, 0 mg/L Jan. 15-23, 1984.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 507 tons Feb. 6, 1983; minimum daily, 0.00 tons Aug. 25, Nov. 9, 12-18, 1983, Jan. 15-23, June 26-30, July 1, 2, 14, 22-30, Aug. 10-13, Sept. 23-27, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)
OCT 23...	0800	127	6.50	16.0	60	17	4.8	2.1	K610	2300	30	7.2
APR 28...	1345	283	7.50	20.5	50	10	6.5	2.2	K20	80	57	12
DATE		MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WHAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 23...		2.8	9.6	4.4	14	21	13	<0.1	11	99	77	—
APR 28...		6.5	29	2.2	61	15	38	0.1	--	152	--	27
DATE		NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS Cd)	CADMIUM DISSOLVED (UG/L AS Cd)	CADMIUM RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cd)
OCT 23...		0.11	0.68	0.18	--	--	--	--	--	--	--	--
APR 28...		0.16	0.78	0.13	<1	<1	<1	<10	<10	1	<1	<1
DATE		CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS PB)
APR 28...		<10	1	<10	10	5	<1	610	1500	6	<5	<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).

SABINE RIVER BASIN

08023000 BAYOU CASTOR NEAR LOGANSPOUT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	MANGANESE, RECOV. FM BOT-TOM MATERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR 28...	44	<0.1	<0.1	3.4	5	5	<1	<1	<20	10	<10
DATE	ZINC, RECOV. FM BOT-TOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MATERIAL (UG/KG)
APR 28...	3	11	0.3	<0.1	<1	<1	<1	<0.01	<0.1	<0.01	<1
DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)
APR 28...	<0.01	0.2	<0.01	0.8	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MATERIAL (UG/KG)
APR 28...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PARA-THION TOTAL (UG/L)
APR 28...	<0.01	<1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	PARA-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOT-TOM MATERIAL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOX-APHENE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SIL VEX TOTAL (UG/L)
APR 28...	<0.1	<0.01	<1	<0.5	<10	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1

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

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", In SW 1/4 SE 1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--72.5 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Mar. 31 to May 23, May 29 to June 5, indefinite stage-discharge relationship. Water-discharge records fair, except those for estimated daily discharge, which are poor.

AVERAGE DISCHARGE.--7 years, 59.4 ft³/s, 11.13 in/yr, 43,040 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft³/s Apr. 12, 1980, gage height, 14.18 ft; minimum, no flow at times all years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 26	0630	2,790	12.14	Feb. 21	1030	*3,780	*12.80
Dec. 25	0130	820	10.37	Mar. 1	0200	1,820	11.41

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	.00	3.1	19	14	20	1420	2.0	.31	.20	1.6	.13	.03		
2	.00	3.0	14	13	191	668	1.8	.30	.08	1.5	.09	.03		
3	.00	2.9	11	24	338	232	2.1	1.4	.05	1.4	.08	.01		
4	.00	3.0	9.3	170	289	51	1.9	1.2	.30	1.3	.06	.00		
5	.00	5.4	8.4	267	103	17	1.6	.82	.50	1.1	.05	.00		
6	.00	9.3	7.9	137	108	8.5	1.4	.60	.74	.94	.09	.00		
7	.00	18	7.8	59	484	5.6	1.3	.40	.98	.86	.05	.00		
8	.00	111	7.9	33	586	4.8	1.2	.30	.27	.87	.00	.02		
9	.00	308	11	25	488	4.5	1.1	.25	.72	1.7	.00	.24		
10	.00	256	84	38	174	4.3	1.0	.22	.79	2.3	.26	.43		
11	.00	123	147	55	73	3.7	.90	2.6	1.2	1.9	.64	.60		
12	2.6	15	72	38	45	3.3	1.0	2.2	4.1	1.6	1.2	.48		
13	4.1	7.2	28	23	34	3.1	1.8	1.5	5.2	1.4	1.8	.53		
14	5.6	6.4	14	20	28	2.9	1.7	.80	6.8	1.2	1.3	.51		
15	4.2	5.8	116	20	284	2.8	1.5	.50	2.3	1.1	1.0	.40		
16	3.1	5.9	512	21	597	2.8	1.2	.80	1.5	1.0	.97	.50		
17	2.8	6.0	610	36	630	3.7	1.0	.62	1.1	.92	.80	.35		
18	2.7	6.0	488	280	337	14	.90	.43	2.3	.86	.61	.37		
19	2.6	6.3	365	433	110	22	.86	.30	1.8	.80	.45	.40		
20	2.6	6.9	320	382	532	6.2	.68	.21	.98	.68	.39	.39		
21	2.4	7.1	180	155	2900	3.5	.62	.15	.68	.58	.45	.33		
22	2.2	7.9	77	70	1180	3.0	.56	.12	.80	.46	.41	.27		
23	2.8	19	316	44	599	18	.52	.64	.91	.39	.33	.21		
24	14	422	676	30	380	169	.46	3.1	1.7	.34	.25	.15		
25	26	1450	712	28	473	215	.43	4.3	1.4	.56	.16	.11		
26	20	2320	379	29	719	49	.40	19	1.9	2.2	.08	.07		
27	3.9	881	115	30	1080	6.3	.38	6.1	1.5	1.4	.05	.06		
28	3.1	439	49	25	1600	3.5	.36	3.0	1.2	.86	.01	.04		
29	3.0	116	26	22	---	2.9	.34	2.0	1.0	.59	.00	.02		
30	3.0	37	18	21	---	2.6	.32	.80	2.1	.31	.00	.00		
31	2.9	---	15	20	---	2.2	---	.50	---	.22	.01	---		
TOTAL	113.60	6607.2	5415.3	2562	14382	2955.2	31.33	55.47	45.10	32.94	11.72	6.55		
MEAN	3.66	220	175	82.6	514	95.3	1.04	1.79	1.50	1.06	.38	.22		
MAX	26	2320	712	433	2900	1420	2.1	.19	6.8	2.3	1.8	.60		
MIN	.00	2.9	7.8	13	20	2.2	.32	.12	.05	.22	.00	.00		
CFSM	.05	3.03	2.41	1.14	7.09	1.31	.01	.02	.02	.01	.01	.00		
IN.	.06	3.39	2.78	1.31	7.38	1.52	.02	.03	.02	.02	.01	.00		
AC-FT	225	13110	10740	5080	28530	5860	62	110	89	65	23	13		
CAL YR 1986	TOTAL	23759.38	MEAN	65.1	MAX	2320	MIN	.00	CFSM	.90	IN.	12.19	AC-FT	47130
WTR YR 1987	TOTAL	32218.41	MEAN	88.3	MAX	2900	MIN	.00	CFSM	1.22	IN.	16.53	AC-FT	63910

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.21	4.22	4.86	4.53	4.35	11.05	4.22	4.26	4.63	4.44	4.05	4.00
2	3.19	4.21	4.68	4.47	6.47	9.98	4.20	4.27	4.66	4.40	4.03	4.00
3	3.17	4.17	4.57	4.72	7.94	7.78	4.21	4.29	4.59	4.39	4.03	3.98
4	3.15	4.20	4.48	6.65	7.49	5.95	4.23	4.33	3.88	4.36	4.02	3.95
5	3.13	4.55	4.43	7.59	5.59	5.29	4.27	4.41	3.94	4.31	4.01	3.92
6	3.11	4.81	4.40	6.26	5.59	4.94	4.27	4.48	4.16	4.27	4.04	3.88
7	3.09	5.06	4.39	5.28	9.18	4.73	4.28	4.51	4.24	4.25	4.01	3.85
8	3.08	6.45	4.39	4.88	9.76	4.65	4.28	4.54	4.03	4.26	3.96	4.05
9	3.10	8.24	4.53	4.70	9.15	4.62	4.30	4.57	4.16	4.46	3.93	4.38
10	3.10	7.85	5.96	4.91	6.37	4.60	4.32	4.56	4.19	4.61	4.07	4.45
11	3.08	6.48	6.77	5.16	5.23	4.50	4.32	4.56	4.29	4.52	4.24	4.50
12	3.98	4.82	5.79	4.87	4.84	4.43	4.33	4.60	4.82	4.45	4.38	4.47
13	4.39	4.50	5.08	4.58	4.65	4.38	4.35	4.63	5.00	4.39	4.55	4.48
14	4.54	4.44	4.70	4.49	4.54	4.35	4.41	4.67	5.06	4.35	4.43	4.47
15	4.41	4.39	6.02	4.46	7.24	4.33	4.42	4.70	4.58	4.34	4.35	4.44
16	4.22	4.39	9.46	4.47	9.79	4.33	4.45	4.68	4.39	4.31	4.34	4.47
17	4.14	4.41	9.84	4.70	9.90	4.48	4.44	4.69	4.30	4.29	4.29	4.43
18	4.14	4.41	9.33	7.42	7.91	5.16	4.41	4.69	4.57	4.27	4.24	4.43
19	4.13	4.44	8.66	8.82	5.69	5.43	4.39	4.67	4.46	4.25	4.19	4.44
20	4.11	4.48	8.35	8.36	8.23	4.76	4.43	4.66	4.26	4.22	4.17	4.44
21	4.07	4.49	7.03	6.17	12.20	4.46	4.43	4.65	4.18	4.19	4.19	4.42
22	4.04	4.55	5.81	5.18	10.78	4.37	4.37	4.66	4.21	4.16	4.18	4.40
23	4.16	4.88	8.01	4.83	9.77	4.92	4.33	4.66	4.24	4.14	4.15	4.37
24	4.96	8.88	10.03	4.59	8.75	7.37	4.32	4.72	4.43	4.12	4.12	4.35
25	5.28	10.94	10.12	4.54	9.28	7.79	4.30	4.93	4.37	4.18	4.08	4.34
26	5.09	11.78	8.55	4.57	10.08	5.84	4.28	5.66	4.50	4.61	4.05	4.31
27	4.37	10.40	6.22	4.59	10.72	4.77	4.29	5.05	4.40	4.42	4.02	4.30
28	4.23	8.99	5.35	4.48	11.22	4.46	4.29	4.69	4.33	4.28	3.98	4.28
29	4.20	6.36	4.94	4.42	---	4.35	4.26	4.59	4.29	4.21	3.96	4.26
30	4.21	5.26	4.73	4.39	---	4.27	4.27	4.56	4.54	4.12	3.96	4.24
31	4.19	---	4.60	4.36	---	4.23	---	4.58	---	4.08	3.98	---
MAX	5.28	11.78	10.12	8.82	12.20	11.05	4.45	5.66	5.06	4.61	4.55	4.50
MIN	3.08	4.17	4.39	4.36	4.35	4.23	4.20	4.26	3.88	4.08	3.93	3.85

SABINE RIVER BASIN

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08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to September 1984.

SUSPENDED-SEDIMENT DISCHARGE: February 1981 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 372 mg/L Aug. 3, 1982; minimum daily mean, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 583 tons Apr. 18, 1982; minimum daily, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)
OCT 23...	0830	123	6.40	16.5	50	17	4.0	2.2	1100	2000	28	6.3
APR 28...	1415	280	7.20	21.5	50	10	7.5	2.8	K15	280	59	12
DATE		MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 23...		2.9	8.0	6.3	14	27	9.2	<0.1	8.4	95	76	—
APR 28...		7.0	28	2.6	53	24	34	0.2	—	141	—	25
DATE		NITROGEN, NO2+NO3 TOTAL (UG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CD)
OCT 23...		0.29	0.75	0.18	—	—	—	—	—	—	—	—
APR 28...		0.10	0.80	0.23	<1	<1	2	<10	<10	<1	<1	<1
DATE		CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS PB)
APR 28...		10	4	<1	7	4	3	310	2400	<5	<5	<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).

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	MANGANESE, RECOV. FM BOT-TOM MATERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR 28...	140	<0.1	<0.1	1.7	5	6	<1	<1	<30	10	<10
DATE	ZINC, RECOV. FM BOT-TOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, IN BOT-TOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT-TOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, IN BOT-TOM MATERIAL (UG/KG)
APR 28...	10	14	0.4	<0.1	<1	<1	<1	<0.01	<0.1	<0.01	<1
DATE	DDD, TOTAL (UG/L)	DDD, IN BOT-TOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, IN BOT-TOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN BOT-TOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)
APR 28...	<0.01	<0.1	<0.01	0.4	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT-TOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT-TOM MATERIAL (UG/KG)
APR 28...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	MALATHION, TOTAL (UG/L)	MALATHION, IN BOT-TOM MATERIAL (UG/KG)	METHOXY-CHLOR, TOTAL (UG/L)	METHOXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, IN BOT-TOM MATERIAL (UG/KG)	PARA-THION TOTAL (UG/L)
APR 28...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	PARA-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOT-TOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, IN BOT-TOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 28...	<0.1	<0.01	<1	<0.5	<10	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1

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

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft above National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Apr. 2 to May 10. Indefinite stage-discharge relationship Apr. 2 to May 10. Water-discharge records fair, except those for estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Stream was dry Oct. 1-11, June 8-11, July 18 to Aug. 9, Aug. 20-29, Sept. 1-10, 25-30.

AVERAGE DISCHARGE.--10 years, 76.8 ft³/s, 13.00 in/yr, 55,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft³/s Sept. 20, 1958, gage height, 20.36 ft from rating curve extended above 8,400 ft³/s on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 26	0400	*3,800	*16.73	Feb. 28	1830	2,280	16.27
Feb. 21	1100	3,370	16.62				

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.85	71	44	32	1200	24	1.8	1.6	.12	.00	.00
2	.00	.69	58	39	74	537	20	1.7	1.0	2.9	.00	.00
3	.00	.64	48	80	116	164	17	1.6	.64	3.8	.00	.00
4	.00	1.1	41	420	62	87	15	2.2	.42	3.6	.00	.00
5	.00	45	36	322	45	66	14	2.0	.37	3.4	.00	.00
6	.00	92	33	109	60	55	11	1.7	.29	3.0	.00	.00
7	.00	68	32	78	458	48	9.0	1.5	.04	2.2	.00	.00
8	.00	556	34	64	606	56	8.0	1.4	.00	3.6	.00	.00
9	.00	697	47	57	296	77	7.0	1.3	.00	7.1	.00	.00
10	.00	545	126	78	82	54	6.2	1.6	.00	12	.01	.00
11	.00	165	103	70	60	41	5.4	2.8	.00	9.5	1.6	3.9
12	.10	45	79	50	51	39	5.0	2.4	.08	3.3	12	1.9
13	14	31	58	42	45	35	4.7	4.6	.62	1.6	4.3	1.1
14	25	24	45	40	41	31	10	8.4	4.0	.84	2.5	.60
15	14	20	158	42	259	29	9.0	3.6	21	.37	1.1	.18
16	8.9	18	686	42	661	28	7.0	2.6	4.3	.14	.65	.72
17	9.9	17	726	51	505	149	5.6	1.8	2.7	.18	.40	1.7
18	4.7	16	502	490	132	448	4.5	1.5	2.9	.00	.28	2.9
19	2.1	14	550	689	72	209	4.0	1.4	1.2	.00	.13	3.6
20	.85	14	473	388	506	65	3.6	1.8	1.5	.00	.01	2.2
21	.60	14	168	107	2270	46	3.3	1.8	1.7	.00	.00	1.2
22	.37	16	101	75	985	37	3.0	1.6	2.0	.00	.00	.53
23	4.0	81	416	59	578	156	2.7	1.8	2.8	.00	.00	.20
24	65	686	798	51	418	604	2.5	2.3	3.4	.00	.00	.02
25	103	2150	625	102	607	409	2.4	5.4	3.4	.00	.00	.00
26	20	2480	230	94	913	90	2.3	33	3.4	.00	.00	.00
27	8.3	802	98	61	1320	56	2.2	6.2	3.1	.00	.00	.00
28	4.9	341	74	49	1620	43	2.1	3.4	2.4	.00	.00	.00
29	3.2	118	62	45	---	35	2.0	2.4	1.1	.00	.00	.00
30	2.1	85	54	41	---	30	1.9	2.2	.23	.00	.33	.00
31	1.4	---	48	35	---	27	---	2.6	---	.00	.21	---
TOTAL	292.42	9143.28	6580	3914	12874	4951	214.4	110.4	66.19	57.65	23.52	20.75
MEAN	9.43	305	212	126	460	160	7.15	3.56	2.21	1.86	.76	.69
MAX	103	2480	798	689	2270	1200	24	33	21	12	12	3.9
MIN	.00	.64	32	35	32	27	1.9	1.3	.00	.00	.00	.00
CFSM	.12	3.80	2.64	1.57	5.74	2.00	.09	.04	.03	.02	.01	.01
IN.	.14	4.24	3.05	1.82	5.97	2.30	.10	.05	.03	.03	.01	.01
AC-FT	580	18140	13050	7760	25540	9820	425	219	131	114	47	41

CAL YR 1986	TOTAL 27650.62	MEAN 75.8	MAX 2480	MIN .00	CFSM .95	IN. 12.83	AC-FT 54850
WTR YR 1987	TOTAL 38247.61	MEAN 105	MAX 2480	MIN .00	CFSM 1.31	IN. 17.74	AC-FT 75860

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.67	6.24	9.33	8.63	8.31	15.75	8.02	8.01	7.55	7.04	5.87	6.43
2	5.67	6.21	8.94	8.45	9.63	14.65	7.93	7.99	7.45	7.50	5.85	6.30
3	5.67	6.20	8.59	9.50	10.76	11.65	7.92	8.04	7.38	7.60	5.85	6.21
4	5.66	6.27	8.34	14.05	9.38	10.19	7.97	8.09	7.32	7.58	5.84	6.14
5	5.66	8.45	8.15	13.21	8.83	9.61	7.84	8.14	7.29	7.55	5.84	6.07
6	5.66	10.18	8.01	10.51	9.23	9.28	7.72	8.20	7.26	7.50	5.83	6.00
7	5.65	9.26	7.93	9.73	14.21	9.03	7.64	8.19	7.15	7.39	5.83	5.94
8	5.66	14.77	8.07	9.30	15.02	9.30	7.58	8.14	7.02	7.53	5.83	5.88
9	5.68	15.28	8.56	9.08	12.88	9.94	7.52	8.17	6.98	7.86	5.83	5.85
10	5.67	14.76	10.69	9.72	9.97	9.25	7.50	8.19	7.04	8.24	6.16	5.87
11	5.67	11.36	10.19	9.48	9.34	8.77	7.54	8.02	7.06	8.02	6.96	6.89
12	5.90	8.90	9.56	8.83	9.04	8.67	7.52	7.78	7.13	7.49	7.99	6.83
13	7.09	8.34	8.92	8.56	8.82	8.54	7.63	8.00	7.30	7.28	7.39	6.70
14	8.05	8.00	8.50	8.49	8.67	8.37	8.09	8.32	7.63	7.15	7.11	6.61
15	7.38	7.81	10.39	8.55	11.71	8.27	7.94	7.90	8.90	7.04	6.89	6.47
16	7.06	7.69	15.24	8.57	15.20	8.22	7.70	7.78	7.76	6.95	6.80	6.57
17	7.14	7.60	15.33	8.86	14.50	10.60	7.53	7.67	7.58	6.96	6.73	6.77
18	6.69	7.53	14.51	14.14	11.03	14.29	7.46	7.62	7.60	6.83	6.69	6.90
19	6.41	7.46	14.77	15.26	9.69	12.04	7.39	7.59	7.36	6.78	6.63	6.98
20	6.24	7.43	14.32	13.71	12.86	9.57	7.33	7.64	7.41	6.70	6.56	6.82
21	6.19	7.41	11.43	10.59	16.25	8.95	7.26	7.64	7.43	6.57	6.35	6.67
22	6.14	7.57	10.13	9.79	15.61	8.59	7.28	7.61	7.47	6.40	6.19	6.55
23	6.55	9.68	13.47	9.30	14.89	10.51	7.57	7.63	7.56	6.36	6.10	6.43
24	9.43	14.92	15.45	9.02	14.10	15.01	7.82	7.69	7.62	6.46	6.01	6.36
25	10.50	16.19	15.02	10.48	15.02	13.88	7.93	7.95	7.62	6.28	5.94	6.33
26	7.78	16.30	12.28	10.29	15.50	10.25	7.96	9.56	7.61	6.17	5.88	6.32
27	7.02	15.36	10.24	9.38	15.87	9.30	7.96	8.06	7.57	6.11	5.85	6.32
28	6.73	13.27	9.62	8.97	15.99	8.85	8.04	7.79	7.48	6.06	5.84	6.31
29	6.56	10.53	9.23	8.80	---	8.51	8.04	7.67	7.28	6.01	5.86	6.31
30	6.42	9.74	8.98	8.67	---	8.29	8.00	7.64	7.09	5.95	6.39	6.28
31	6.34	---	8.79	8.44	---	8.18	---	7.68	---	5.90	6.58	---
MAX	10.50	16.30	15.45	15.26	16.25	15.75	8.09	9.56	8.90	8.24	7.99	6.98
MIN	5.65	6.20	7.93	8.44	8.31	8.18	7.26	7.59	6.98	5.90	5.83	5.85

SABINE RIVER BASIN

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08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to September 1985.

SUSPENDED-SEDIMENT DISCHARGE: February 1981 to September 1985.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 852 mg/L May 5, 1981; minimum daily mean, no flow on many days during 1981, 1982, 1983, 1984, and 1985.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2820 tons June 8, 1981; minimum daily, no flow on many days during 1981, 1982, 1983, 1984, and 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 23...	0900	144	6.50	17.0	60	24	4.9	2.0	280	2000	32
APR 28...	1030	177	7.40	19.5	60	20	6.2	2.9	K36	170	36
DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WAT TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	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)
OCT 23...	8.6	2.6	10	4.5	18	24	13	<0.1	11	106	84
APR 28...	8.0	4.0	16	1.9	33	8.6	24	0.1	—	111	—
DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS Cd)	CADMIUM DIS-SOLVED (UG/L AS Cd)
OCT 23...	—	0.22	0.83	0.17	—	—	—	—	—	—	—
APR 28...	41	0.26	0.75	0.15	1	<1	4	<10	<10	1	1
DATE	CADMIUM RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS Cr)	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)	LEAD, DIS-SOLVED (UG/L AS Pb)
APR 28...	<1	20	2	<1	7	3	<1	480	1300	7	<5

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

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

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
APR 28...	<10	89	<0.1	1.1	6	2	<1	<1	<20	10	<10
DATE	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
APR 28...	4	14	0.4	<0.1	<1	<1	<1	<0.01	<0.1	<0.01	<1
DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
APR 28...	<0.01	0.1	<0.01	0.2	<0.01	0.1	<0.01	<0.1	<0.01	0.1	<0.01
DATE	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
APR 28...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION TOTAL (UG/L)
APR 28...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE, TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 28...	<0.1	<0.01	<1	<0.5	<10	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1

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

SABINE RIVER BASIN

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08025606 BAYOU TORO NEAR TOLEDO BEND RESERVOIR, NEAR TORO, LA

LOCATION.--Lat 31°12'12", long 93°32'39", on line between secs.25 and 36, T.2 N., R.11 W., Vernon Parish, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi upstream from mouth and 7.3 mi south of Toro.

DRAINAGE AREA.--205 mi².

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

REVISED RECORDS.--WDR LA-79-1: Drainage area.

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

REMARKS.--No elevations recorded below 91.80 ft. Oct. 1-8, 11, 21, 22, Nov. 2-4, June 6-9, July 24-26, 29, 30, Aug. 2-7, 9, 18-29, Sept. 3-16, 24-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 113.73 ft May 22, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 100.68 ft Feb. 27; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		91.81	92.47	92.30	92.20	98.85	93.24	---	92.15	91.87	91.82	91.86
2			92.35	92.26	92.51	96.50	93.38	---	92.11	91.84		91.80
3			92.28	93.21	93.17	94.14	93.37	---	92.10	91.88		
4			92.21	94.96	92.71	93.64	93.29	---	92.15	91.83		
5		91.88	92.17	94.82	92.48	93.53	93.29	---	91.87	91.83		
6		91.91	92.13	93.89	92.38	93.41	93.39	---		91.83		
7		91.92	92.10	93.69	92.48	93.34	93.34	---		91.82		
8		91.94	92.09	93.66	92.60	93.38	93.41	---		91.83	91.82	
9	91.80	92.05	92.08	93.67	92.52	93.84	93.39	---		93.13		
10	91.80	92.18	92.35	93.60	92.35	93.69	93.35	---	91.84	93.37	92.16	
11		92.22	93.17	93.58	92.26	93.47	92.18	---	91.93	93.09	91.90	
12	91.81	92.04	92.69	93.55	92.23	93.42	92.99	---	91.88	92.31	93.43	
13	92.75	91.92	92.49	93.74	92.20	93.37	93.45	92.35	92.18	92.08	92.54	
14	92.89	91.84	92.34	93.74	92.18	93.37	93.40	92.06	92.49	91.96	92.08	
15	92.55	91.82	92.30	93.77	92.91	93.32	93.48	92.20	93.74	91.91	91.92	
16	92.11	91.83	93.82	93.78	94.52	93.35	---	92.07	92.47	91.91	91.83	
17	91.93	91.85	94.06	93.64	93.89	93.24	---	91.98	92.15	91.84	91.80	91.92
18	91.84	91.85	93.14	95.16	92.80	93.62	---	92.43	92.84	91.83		92.50
19	91.82	91.84	94.83	94.46	92.56	93.50	---	92.17	92.30	91.83		92.15
20	91.82	91.85	94.23	93.22	92.58	93.35	---	92.00	92.08	91.83		92.04
21		91.82	93.08	92.78	95.70	93.17	---	91.92	92.33	91.82		92.18
22		91.82	92.75	92.60	95.62	93.23	---	91.89	92.09	91.81		91.95
23	91.82	91.93	94.49	92.49	94.46	93.29	---	91.88	91.93	91.83		91.83
24	91.96	95.33	94.78	93.44	93.86	93.41	---	91.88	91.92			
25	92.30	97.44	93.68	93.74	95.21	93.50	---	91.87	91.89			
26	92.33	96.69	92.94	93.78	97.97	93.33	---	91.87	91.84			
27	92.05	95.49	92.69	93.78	100.10	93.26	---	91.87	91.86	91.82		
28	91.90	93.23	92.55	93.86	100.67	93.21	---	91.87	91.83	91.82		
29	91.83	92.74	92.46	92.29	---	93.28	---	91.86	91.83			
30	91.82	92.57	92.39	92.27	---	93.27	---	91.86	91.83		92.73	
31	91.82	---	92.34	92.24	---	93.25	---	91.96	---	91.83	92.06	---
MAX	92.89	97.44	94.83	95.16	100.67	98.85	---	---	93.74	93.37	93.43	92.50
MIN	---	---	92.08	92.24	92.18	93.17	---	91.86	---	---	---	---

08028000 BAYOU ANACOCO NEAR ROSELINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs.25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Roseline to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Roseline.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

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.

AVERAGE DISCHARGE.--36 years, 458 ft³/s, 17.04 in/yr, 331,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft³/s May 19, 1953, gage height, 28.38 ft; minimum, 4.0 ft³/s Sept. 28, 29, 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,800 ft³/s Nov. 25, gage height, 23.36 ft; minimum, 19 ft³/s Aug. 29, gage height, 3.00 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	87	1400	350	221	7290	223	40	374	344	60	136
2	38	77	944	314	251	4350	204	38	384	240	119	90
3	35	69	525	757	312	2840	218	40	277	232	72	66
4	32	94	348	1720	318	1170	198	107	170	150	50	49
5	31	512	263	1280	295	741	178	161	141	107	40	40
6	28	307	213	788	275	578	168	159	83	77	34	33
7	34	255	183	631	290	492	162	153	51	74	45	28
8	31	348	166	538	272	549	152	139	41	128	41	25
9	33	321	166	456	256	683	142	231	45	1470	37	24
10	33	251	241	461	219	667	134	298	136	653	486	30
11	30	193	262	418	197	573	123	179	102	259	617	43
12	36	164	236	354	187	525	118	143	120	180	274	41
13	187	142	208	314	183	455	126	413	475	135	171	51
14	220	123	180	313	180	389	226	778	561	118	124	79
15	177	82	539	317	557	347	145	475	205	94	95	44
16	144	73	1720	317	1260	324	122	581	106	77	74	227
17	116	74	1500	563	1060	681	115	483	75	67	57	524
18	98	72	1240	2020	705	1800	110	366	437	58	48	326
19	83	73	2150	2020	530	1560	103	279	517	50	41	388
20	70	71	2130	1400	903	850	96	220	225	45	36	317
21	58	69	1470	852	2140	579	89	176	103	42	31	221
22	49	65	1100	651	2090	444	81	147	133	40	28	167
23	47	450	2040	515	1680	399	76	132	72	43	25	131
24	154	2960	2460	422	1240	580	70	259	67	38	24	100
25	439	14100	2040	376	1410	564	68	223	91	49	22	80
26	336	18200	1260	341	2820	472	59	137	89	41	21	65
27	218	10800	911	306	5410	387	52	347	71	81	20	55
28	176	5430	699	277	9840	329	47	398	57	56	20	48
29	144	3340	553	262	---	289	46	390	46	45	21	44
30	121	2100	459	252	---	263	42	370	71	45	37	43
31	102	---	400	239	---	242	---	369	---	38	191	---
TOTAL	3346	60902	28006	19824	35101	31412	3693	8231	5325	5076	2961	3515
MEAN	108	2030	903	639	1254	1013	123	266	178	164	95.5	117
MAX	439	18200	2460	2020	9840	7290	226	778	561	1470	617	524
MIN	28	65	166	239	180	242	42	38	41	38	20	24
CFSM	.30	5.56	2.47	1.75	3.44	2.78	.34	.73	.49	.45	.26	.32
IN.	.34	6.21	2.85	2.02	3.58	3.20	.38	.84	.54	.52	.30	.36
AC-FT	6640	120800	55550	39320	69620	62310	7330	16330	10560	10070	5870	6970
CAL YR 1986	TOTAL 148273		MEAN 406	MAX 18200	MIN 16	CFSM 1.11	IN. 15.11	AC-FT 294100				
WTR YR 1987	TOTAL 207392		MEAN 568	MAX 18200	MIN 20	CFSM 1.56	IN. 21.14	AC-FT 411400				

SABINE RIVER BASIN

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08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.29	3.62	10.59	5.44	4.59	20.85	4.60	3.23	5.59	5.40	3.40	3.99
2	3.21	3.54	8.49	5.20	4.79	19.49	4.47	3.21	5.65	4.71	3.86	3.64
3	3.18	3.48	6.43	7.42	5.19	16.24	4.56	3.23	4.96	4.66	3.50	3.45
4	3.15	3.66	5.42	11.93	5.23	9.52	4.42	3.77	4.23	4.08	3.32	3.32
5	3.14	6.36	4.87	10.03	5.08	7.52	4.29	4.17	4.02	3.77	3.23	3.23
6	3.11	5.16	4.53	7.75	4.95	6.71	4.21	4.15	3.59	3.54	3.17	3.16
7	3.17	4.81	4.32	6.97	5.05	6.26	4.17	4.11	3.33	3.52	3.27	3.11
8	3.14	5.42	4.20	6.50	4.93	6.56	4.10	4.01	3.24	3.87	3.24	3.08
9	3.16	5.25	4.20	6.07	4.82	7.23	4.03	4.64	3.27	10.87	3.20	3.06
10	3.16	4.79	4.72	6.10	4.57	7.15	3.97	5.10	3.99	7.03	5.95	3.12
11	3.13	4.39	4.87	5.85	4.42	6.68	3.89	4.29	3.74	4.84	6.87	3.26
12	3.19	4.19	4.69	5.46	4.35	6.44	3.85	4.04	3.86	4.30	4.94	3.24
13	4.33	4.03	4.49	5.21	4.32	6.06	3.91	5.64	6.09	3.98	4.24	3.32
14	4.58	3.89	4.30	5.20	4.30	5.68	4.62	7.70	6.59	3.85	3.90	3.55
15	4.28	3.58	6.28	5.22	6.41	5.42	4.05	6.16	4.47	3.67	3.68	3.27
16	4.04	3.51	11.97	5.23	9.98	5.27	3.89	6.69	3.76	3.54	3.52	4.47
17	3.84	3.52	11.03	6.50	9.01	7.08	3.84	6.21	3.53	3.46	3.39	6.40
18	3.70	3.50	9.84	13.19	7.34	12.26	3.80	5.53	5.84	3.39	3.31	5.28
19	3.59	3.51	13.71	13.18	6.46	11.27	3.74	4.97	6.40	3.33	3.24	5.67
20	3.49	3.49	13.61	10.57	8.19	8.04	3.68	4.57	4.59	3.28	3.19	5.22
21	3.40	3.48	10.87	8.06	13.65	6.71	3.63	4.27	3.74	3.25	3.14	4.58
22	3.32	3.45	9.20	7.07	13.48	6.00	3.57	4.06	3.96	3.23	3.11	4.21
23	3.30	5.72	13.23	6.38	11.79	5.74	3.54	3.96	3.50	3.26	3.08	3.95
24	4.10	16.38	14.92	5.88	9.86	6.71	3.49	4.83	3.46	3.21	3.06	3.72
25	5.96	21.91	13.26	5.60	10.63	6.63	3.47	4.60	3.65	3.32	3.04	3.56
26	5.33	22.80	9.92	5.38	15.86	6.16	3.40	3.99	3.64	3.24	3.03	3.45
27	4.56	21.53	8.34	5.15	20.08	5.67	3.35	5.41	3.49	3.57	3.02	3.37
28	4.27	20.15	7.31	4.96	21.38	5.30	3.30	5.74	3.39	3.38	3.01	3.31
29	4.05	17.83	6.58	4.87	---	5.04	3.29	5.68	3.29	3.28	3.03	3.27
30	3.88	13.48	6.09	4.80	---	4.87	3.25	5.56	3.47	3.28	3.20	3.26
31	3.74	---	5.75	4.71	---	4.73	---	5.55	---	3.21	4.37	---
MAX	5.96	22.80	14.92	13.19	21.38	20.85	4.62	7.70	6.59	10.87	6.87	6.40
MIN	3.11	3.45	4.20	4.71	4.30	4.73	3.25	3.21	3.24	3.21	3.01	3.06

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", In SE1/4 sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi southwest of Knight, and 5.2 mi upstream from mouth.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1969 to September 1972.

WATER TEMPERATURES: December 1969 to September 1971.

COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever flow of bayou is sufficient to dilute effluent from mill. Daily discharge values are from Bayou Anacoco near Rosepine, La., upstream station (08028000).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.

WATER TEMPERATURES: Maximum daily, 33.0°C June 15, 1970; minimum daily, 7.0°C Jan. 9, 10, 1970.

COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 6.0°C was observed Jan. 19, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/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)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 23...	1225	857	7.40	20.0	320	10	6.5	3.4	160	900	71	24
MAY 01...	1215	426	7.30	24.5	120	17	7.1	4.5	K30	130	34	11

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 23...	2.8	140	6.1	79	170	110	0.1	19	560	520	—
MAY 01...	1.7	67	4.0	59	64	39	0.1	—	263	—	37

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD)
OCT 23...	0.78	1.3	0.22	—	—	—	—	—	—	—	—
MAY 01...	0.27	0.98	0.17	1	1	<1	<10	<10	1	<1	<1

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
MAY 01...	<10	3	<1	7	4	<1	330	340	<5	<5	<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).

SABINE RIVER BASIN

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08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	MANGANESE, RECOV. FM BOT-TOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
MAY 01...	25	<0.1	<0.1	0.2	4	<1	<1	<1	8	60	30
DATE	ZINC, RECOV. FM BOT-TOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOT-TOM MATERIAL (UG/KG)
MAY 01...	2	7.0	0.2	<0.1	<1	<1	<1	<0.01	<.01	<0.01	<1
DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)
MAY 01...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MATERIAL (UG/KG)
MAY 01...	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1
DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)
MAY 01...	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01	<0.1	<0.01
DATE	PARATHION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOT-TOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAY 01...	<0.1	<0.01	<1	<0.5	<10	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1

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

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a seepage study are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Discharge (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	1966-87	11-25-86	42.74	1,690
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	1966-87	11-25-86	11.12	3,700
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, 1974-87	11-25-86	42.88	428
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	1966-87	2-28-87	22.43	3,840
07364870	Sugar Creek near Arcadia, La.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia.	*47	1966-87	2-28-87	44.62	2,800
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	1966-87	2-27-87	7.68	225
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	1966-87	3-23-85 2-27-87	42.98 43.97	4,130 5,000
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	1968-87	2-27-87	11.05	818

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
RED RIVER BASIN--CONTINUED							
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	1984-87	3-17-87	38.85	4,810
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, 1974-87	2-28-87	10.58	3,270
07372110	Brushy Creek near Joyce, La.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce.	*24	1965-87	2-12-85 10-31-85 2-28-87	43.30 42.69 44.14	a1,330 a686 2,520
THOMPSON CREEK BASIN							
07373450	Thompson Creek at Jackson, La.	Lat 30°50'25", long 91°13'35", East Feliciana-West Feliciana Parish line, at bridge on State Highway 10, and 0.5 mi west of Jackson.	99.3	1949-59, 1972-73, 1975-87	1-18-87	b83.37	5,340
07373640	Hammer Creek tributary near Jackson, La.	Lat 30°50'40", long 91°17'35", West Feliciana Parish, at culvert on State Highway 10, 2.8 mi east of Elm Park, and 4.7 mi west of Jackson.	.20	1968-87	5-25-87	5.02	242
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.	(c)	1972-82d, 1983-87	8-11-87	16.10	1,660
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	1966-87	8- 6-87	b22.88	3,580
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	1966-87	3- 1-87	11.00	2,250
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	1976-87	3- 1-87	15.06	2,500
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.	(c)	1972-84d, 1986-87	8-11-87	12.99	756
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.	(c)	1972-84d, 1986-87	8-11-87	12.96	378

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis-charge (ft ³ /s)
MISSISSIPPI RIVER DELTA--CONTINUED							
07378070	Beaver Bayou near Fred, La.	Lat 30°37'32", long 91°03'08", East Baton Rouge Parish, at bridge on State Highway 946, 0.2 mi southwest of intersection of State Highways 64 and 946, and 3.6 mi southeast of Fred.	0.17	1975-87	7-26-75	12.40	e27
					9- 6-77	12.01	e21
					5- 7-78	12.26	e24
					2-24-79	11.86	e19
					3-29-80	12.23	e24
					5- 6-81	12.46	e27
					12-11-83 1987	12.36 <11.6	e26 (#)
07379085	North Branch Ward Creek tributary at Baton Rouge, La.	Lat 30°26'43", long 91°05'26", East Baton Rouge Parish, at culvert on U.S. Highway 61 at Baton Rouge, and 0.2 mi upstream from mouth.	.13	1969-87	6-27-84	11.15	a(#)
					3- 1-85	10.77	a(#)
					10-28-85	10.77	a(#)
					5-25-87	11.20	(#)
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	1964-87	11-25-86	b42.24	671
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	1966-87	2-26-87	8.14	274
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, 1975-87	3- 1-87	21.52	2,540
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, 1974-87	11-25-86	11.30	1,870
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	1967-87	2-13-84 1987	12.78 ---	a3,300 (#)

* Approximately.

Discharge not determined.

< Less than amount shown.

a Discharge previously published was found in error.

b Elevation; National Geodetic Vertical Datum (NGVD) of 1929.

c Drainage area not determined.

d Operated as a continuous-record gaging station.

e Not previously published.

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 1987

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
PEARL RIVER BASIN						
02491800	Bogue Chitto at Enon, La.	Lat 30°43'10", long 90°05'00", Washington Parish, at bridge on State Highway 437, and 0.5 mi south of Enon.	1,107	1950-63, 1973-87	2-28-87	102.75
RED RIVER BASIN						
07348010	Twelvemile Bayou below Dixie, La.	Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 mi southeast of Dixie.	(#)	1979-85a, 1986-87c	6-30-86 2-28-87	b160.54 155.67
07350820	Sand Beach Bayou at Shreveport, La.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall.	(#)	1963-87	10-24-86	*39.19
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	1960-87	11-25-86 2-28-87	<180.7 181.01
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	1960-87	11-25-86 2-28-87	157.94 157.52
07351755	Bayou Pierre at Powhatan, La.	Lat 31°51'37", long 93°12'22", Natchitoches Parish, at bridge on State Highway 485, 1.0 mi southwest of Powhatan, and 11.8 mi upstream from mouth.	879	1981-85a, 1986-87c	6-30-86 2-28-87	d104.17 107.47
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, 1966-87	1987	<177.1
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)	1963-87	2-21-87	71.91
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	1973-85a, 1986-87c	3- 9-87	*23.54
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	1979-85a, 1986-87c	3-13-87	73.17
07366365	Bayou D'Arbonne below dam, near Downsville, 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 Downsville.	1,607	1978-87	2-28-87	72.19

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
RED RIVER BASIN--CONTINUED						
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.	(#)	1978-87	2-28-87	*36.76
07368040	Boeuf River southwest of Rayville, La.	Lat 32°25'40", long 91°49'05", Richland Parish, on left bank 5.0 mi southwest of Rayville.	(#)	1974-85a, 1986-87c	11- 3-85 3- 1-87	b58.99 62.47
07369016	Youngs Bayou at Monroe, La.	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe.	(#)	1978-87	11-25-86 2-28-87	*40.89 *40.33
07369024	Youngs Bayou near Monroe, La.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi southeast of Monroe.	(#)	1978-87	11-25-86 2-28-87	*41.35 *42.14
07369050	Bayou Lafourche near Alto, La.	Lat 32°23'50", long 91°59'40", Ouachita-Richland Parish line at bridge on State Highway 15, and 8 mi west of Alto.	(#)	1973-85a, 1986-87c	3- 5-87	61.28
07369455	Brushy Bayou at Tallulah, La.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah.	(#)	1975-80a, 1981-87	3-18-87	73.10
07369457	Lower Roundaway Bayou tributary near Tallulah, La.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi south of Tallulah.	(#)	1975-80a, 1981-87	3-18-87	72.18
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, 1978-87	2-28-87	72.18
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.	(#)	1978-80a, 1981-87	3-18-87	73.59
07369515	Tensas River southeast of Tenda, La.	Lat 32°23'17", long 91°20'05", Madison Parish, on right bank 3.5 mi southeast of Tenda.	(#)	1975-85a, 1986-87c	10-31-85 3- 1-87	b67.23 69.95
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	1938-46h, 1948-57h, 1958-73c, 1974-85a, 1986-87c	3- 2-87	40.50
BAYOU BATON ROUGE BASIN						
07373980	Baker Canal near Baker, La.	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 mi southwest of Baker.	(#)	1963-70, 1971-87c	10-28-85 8-12-87	d54.94 53.32
MONTE SANO BAYOU BASIN						
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, La.	Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi north of Baton Rouge Post Office.	(#)	1975-87	8-11-87	59.32

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	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.	(#)	1975-87	8-11-87	40.94
MISSISSIPPI RIVER DELTA						
07377215	Little Sandy Creek near Milldale, La.	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale.	(#)	1975-87	8-12-87	111.70
07377240	Little Sandy Creek near Greenwell Springs, La.	Lat 30°37'36", long 90°59'20", East Baton Rouge Parish, at bridge on State Highway 409, 3.4 mi north of the village of Greenwell Springs, La.	28.2	1974-85a, 1986-87	8-12-87	65.61
07377250	Sandy Creek near Greenwell Springs, La.	Lat 30°36'08", long 90°59'37", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La.	(#)	1982-87c	3- 1-87	54.09
07377780	White Bayou at State Highway 64, near Zachary, La.	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mi east of Zachary.	(#)	1962-75, 1977-87	8-13-87	88.13
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi northeast of Baton Rouge Post Office.	(#)	1962-87	1987	<68.4
07377890	Cypress Bayou at Baker, La.	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi east of State Highway 19 at Baker.	(#)	1967-69, 1971-87	1987	<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.	(#)	1962-65, 1967-87	8-12-87	52.92
07377920	Cypress Bayou at Hooper Road, near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office.	(#)	1962-87	1987	(J)
07377933	Blackwater Bayou near Fred, La.	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, 3.8 mi northeast of Baton Rouge Post Office.	(#)	1975-87	3-18-87	*11.66
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	1962-87	3-18-87	46.58
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 mi northeast of Baton Rouge Post Office.	(#)	1967-87	8-12-87	45.43

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
07378010	Hurricane Creek near Baton Rouge, La.	Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi northeast of Baton Rouge Post Office.	(#)	1962-87	8-12-87	40.88
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleaf Ave., 5.3 mi northeast of Baton Rouge Post Office.	(#)	1967, 1969-87	8-12-87	51.89
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi northeast of Baton Rouge Post Office.	(#)	1962-87	8-12-87	41.36
07378075	Beaver Bayou at Denham Road, near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office.	(#)	1972-87	8-12-87	68.65
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.	(#)	1983-87	8-12-87	59.24
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	1972-87	8-12-87	54.12
07378595	Jones Creek at Airline Highway, at Baton Rouge, La.	Lat 30°27'52", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 mi northeast of Baton Rouge Post Office.	(#)	1967-87	11-11-86 8-12-87	45.14 46.05
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.	(#)	1962-87	11-11-86 8-12-87	41.16 42.45
07378635	Lively Bayou northeast of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi east of Baton Rouge Post Office.	(#)	1967-87	11-11-86	39.66
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi east of Baton Rouge Post Office.	(#)	1967-87	11-12-86	37.70
07378645	Lively Bayou southeast of Baton Rouge, La.	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 mi southeast of Baton Rouge Post Office.	(#)	1967-87	11-11-86	36.01
07378650	Jones Creek at Old Hammond Highway, near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office.	(#)	1962-87	11-11-86 8-12-87	34.51 34.61
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge, on Stanley Aubin Drive, 7.3 mi southeast of Baton Rouge Post Office.	(#)	1967-87	11-11-86	42.18

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
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	1967-87	11-11-86 8-12-87	24.69 22.32
07378720	Clay Cut Bayou at Stegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi southeast of Baton Rouge Post Office.	(#)	1967-87	11-11-86 1-18-87	27.59 21.91
07378725	Clay Cut Bayou near Hope Villa, La.	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi northeast of Hope Villa.	(#)	1967-87	11-11-86 1-18-87	12.23 17.31
07378780	Bayou Fountain at Ben Hur Road, at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi southeast of Baton Rouge Post Office.	(#)	1962-87	11-11-86 8-12-87	<17.3 18.49
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi southeast of Baton Rouge Post Office.	(#)	1962-66, 1969-87	11-11-86 8-12-87	14.56 12.99
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi southeast of Baton Rouge Post Office.	(#)	1967-87	11-11-86 8-12-87	10.73 10.66
07379000	Ward Creek at Government Street, at Baton Rouge, La.	Lat 30°20'20", long 91°08'35", East Baton Rouge Parish, on downstream end of culvert on Government Street, and 2.4 mi east of Baton Rouge Post Office.	4.04	1954-67a, 1969-73c, 1975-87c	11-11-86 8-11-87	38.70 42.10
07379010	Ward Creek at College Drive, at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi southeast of Baton Rouge Post Office.	(#)	1970-87	11-11-86 8-11-87	36.01 39.34
07379050	Ward Creek at Essen Lane, near Baton Rouge, La.	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi southeast of Baton Rouge Post Office.	(#)	1963-70, 1975-87	11-11-86 8-11-87	26.74 26.44
07379090	North Branch Ward Creek at Goodwood Boulevard, at Baton Rouge, La.	Lat 30°26'34", long 91°05'27", East Baton Rouge Parish, at bridge 5.5 mi southeast of Baton Rouge Post Office.	(#)	1968-87	11-11-86	38.42
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Office.	(#)	1962-87	11-11-86	30.00
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi southeast of Baton Rouge Post Office.	(#)	1962-87	8-11-87	*18.31
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	1971-87c	5-22-87 8-11-87	24.58 24.18

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	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.	91.31	1971-87	5-22-87 8-11-87	22.43 22.18
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	1971-87	5-22-87 8-11-87	17.33 20.72
07379550	Bayou Duplantier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi south of Baton Rouge Post Office.	(#)	1962-70, 1971-87c	8-12-87	21.27
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 mi southeast of Baton Rouge Post Office.	(#)	1962-87	8-11-87	21.15
07380000	Ward Creek at Slegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi downstream from Dawson Creek, and 8.5 mi southeast of Baton Rouge Post Office.	40.0	1947-53a 1955-68e, 1972-87c	11-11-86 8-12-87	17.74 17.77
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi northeast of Gonzales water tower.	(#)	1963-87	2-27-87	8.39
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi west of Gonzales water tower.	(#)	1963-87	2-27-87	6.92
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi southwest of Gonzales water tower.	(#)	1963-87	2-27-87	7.85
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.	(#)	1986-87c	6-14-87	6.47
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	1946-75h, 1976-85a, 1986-87c	1-25-87	k30.27
07383510	Bayou des Glaisses diversion channel near Moreauville, La.	Lat 30°59'59", long 91°58'57", Avoyelles Parish, at bridge on unnumbered parish road, and 2.5 mi south of Moreauville.	284	1972-85a, 1986-87c	1-18-87	*19.89
07385470	Bayou Teche at Robin, La.	Lat 30°26'48", long 91°55'22", St. Landry Parish, near center of span on downstream side of bridge between State Highways 31 and 740 at Robin, and 3.7 mi upstream from gaging station, Bayou Teche at Arnaudville.	(#)	1947-85a, 1986-87c	11-26-86	19.77

See footnotes at end of the table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

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ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1987--CONTINUED

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation in ft (NGVD)
MISSISSIPPI RIVER DELTA--CONTINUED						
07385702	Bayou Teche below Keystone Lock and Dam near St. Martinville, La.	Lat 30°04'14", long 91°49'44", St. Martin Parish, on down- stream side of Keystone Lock and Dam 3.5 mi south of St. Martinville and 11 mi up- stream from Loreauville Canal.	(#)	1985-85a, 1986-87c	10-29-85 12-23-86	d11.73 9.77
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.	(#)	1986-87c	1-19-87	18.43
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 Breau Bridge.	(#)	1959-85a, 1986-87c	1-25-87	9.34

Drainage area not determined.

* Gage datum, NGVD of gage not determined.

< Less than amount shown.

a Operated as a continuous-record gaging station.

b Corrected, figure previously published at wrong datum.

c Operated as a continuous-record gaging station, daily records unpublished.

d Corrected, figure previously published found in error.

e Operated as a crest-stage partial-record station.

f Drainage area indeterminate.

g Approximately.

h Operated as a continuous-record gaging station by the Corps of Engineers.

j Missing record.

k Mean low Gulf or 0.78 ft below NGVD.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1987

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
RED RIVER BASIN						
Bayou Bonne Idee	Boeuf River	Lat 32°40'00", long 91°41'59", Morehouse Parish, at bridge on unmarked parish road, 5.8 mi northeast of Oak Ridge.	(#)	1984-86	10-14-86 11-16-86 12- 8-86 1-13-87 2-17-87 3-10-87 4-13-87 5-11-87 6- 8-87 7-14-87 8-10-87 9-14-87	0 98 4.7 20 392 306 0 0 24 20 0 0
Pine Creek	Big Creek	Lat 32°15'30", long 91°44'57", Franklin Parish, at bridge on State Highway 15, at Baskin.	(#)	1984-86	10-14-86 11-17-86 12- 8-86 1-13-87 2-17-87 3-10-87 4-13-87 5-11-87 6- 8-87 7-14-87 8-10-87 9-14-87	171 26 16 23 656 266 6.4 17 7.1 5.2 4.5 2.7
Bayou Gallon	Bayou Lafourche	Lat 32°50'40", long 91°43'08", Morehouse Parish, at bridge on Parish Road 6002, at Gallon, La. Station is located at confluence with Bayou Bonn Idee.	(#)	1983-86	10-14-86 11-16-86 12- 8-86 1-13-87 2-17-87 3-10-87 4-13-87 5-11-87 6- 8-87 7-14-87 8-10-87 9-14-87	0 0 0 0 58 0 0 20 0 7.8 6.3 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, 1982-86	9- 9-85 10-17-85 11-12-85 12- 9-85 1-13-86 2-10-86 3- 4-86 5-16-86 6- 9-86 9-11-86 12- 9-86 6- 8-87 8-11-87 9-11-87	443 217 3,960 2,560 368 804 309 210 2,490 44 7,260 172 304 73

Drainage area not determined.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

315924092523000 SPRING BRANCH AT COLDWATER, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
30...	1115	0.52	49	6.60	25.0	7.7	13	—	—	—
JUN										
19...	1055	0.53	47	6.80	23.5	6.6	14	—	—	—
JUL										
25...	1115	0.47	44	6.40	27.0	7.4	12	—	—	—
AUG										
21...	1030	0.21	47	6.90	24.5	6.3	18	—	—	—
SEP										
19...	1030	0.36	61	6.60	23.0	5.6	15	—	—	—
OCT										
24...	1030	0.72	63	6.40	22.0	6.8	13	—	—	—
DEC										
05...	1045	1.8	39	6.40	10.0	10.0	5	—	—	—
JAN 1986										
21...	1145	0.80	41	6.40	11.0	11.1	10	—	—	—
FEB										
20...	1015	1.5	46	5.90	17.5	5.7	6	—	—	—
MAR										
17...	1200	2.5	49	6.40	18.0	5.7	11	—	—	—
APR										
30...	1030	0.74	45	6.10	21.0	7.7	14	—	—	—
MAY										
20...	1145	0.99	41	6.40	18.0	6.0	10	—	—	—
JUN										
26...	0930	0.48	60	6.60	25.5	3.6	18	—	—	—
JUL										
23...	1130	0.52	49	6.50	26.5	4.5	14	—	—	—
AUG										
06...	1030	0.46	52	6.60	24.0	4.9	10	—	—	—
SEP										
17...	1130	0.33	46	6.40	25.0	5.4	12	—	—	—
NOV										
05...	1015	1.2	43	6.20	15.5	6.7	8	—	—	—
25...	1315	73	29	6.00	14.5	8.1	3	107	21	53
FEB 1987										
12...	1030	2.1	39	6.40	11.5	9.5	8	20	0.11	65
26...	1330	268	16	5.90	12.0	9.6	1	115	83	63
JUN										
24...	1030	11	—	6.10	24.5	8.1	8	22	0.63	68
SEP										
25...	1040	0.0	40	6.98	17.5	7.2	13	5	—	90

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN--CONTINUED

312710093053900 STEEP HILL BRANCH NEAR LOTUS, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
29...	1145	0.74	23	5.50	21.5	8.7	1	--	--	--
JUN 18...	1210	0.70	25	5.60	23.0	7.2	2	--	--	--
JUL 24...	1130	0.42	26	6.10	24.0	6.8	3	--	--	--
AUG 20...	1200	0.28	25	5.50	21.5	6.6	2	--	--	--
SEP 18...	1145	0.31	30	5.70	23.0	6.9	0	--	--	--
OCT 23...	1300	2.5	34	6.10	22.0	7.1	1	--	--	--
DEC 04...	1300	6.9	25	5.50	11.5	10.6	0	--	--	--
JAN 1986										
16...	1200	3.0	22	5.10	8.0	11.2	1	--	--	--
FEB 19...	--	2.8	25	5.10	17.0	8.3	0	--	--	--
MAR 21...	1200	1.6	24	5.50	12.0	9.9	0	--	--	--
APR 29...	1145	1.4	24	5.30	19.0	7.7	3	--	--	--
MAY 21...	1330	1.2	25	5.70	20.0	7.7	1	--	--	--
JUN 25...	1030	0.49	28	5.90	24.0	6.2	1	--	--	--
JUL 22...	1130	0.21	26	5.90	26.0	5.8	2	--	--	--
AUG 05...	--	0.22	27	5.80	24.0	5.7	2	--	--	--
SEP 16...	1200	0.50	25	5.10	24.0	6.2	0	--	--	--
NOV 05...	1130	3.2	31	5.60	17.5	7.6	1	--	--	--
26...	1200	23	29	5.30	14.5	9.1	1	29	1.8	81
FEB 1987										
11...	1200	3.2	26	5.70	11.0	10.4	3	--	--	--
27...	1300	34	22	5.20	13.0	10.8	3	26	2.4	86
JUN 23...	1100	0.52	--	5.60	23.0	9.3	3	9	0.01	78
SEP 23...	1130	0.38	26	6.30	17.5	--	2	6	0.01	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN--CONTINUED

07354100 KISATCHIE BAYOU AT LOTUS, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
29...	1330	22	42	6.30	25.5	7.8	7	--	--	--
JUN 18...	1030	12	55	6.60	27.0	6.1	10	--	--	--
JUL 24...	1300	21	54	6.50	24.0	6.7	10	--	--	--
AUG 20...	1250	5.9	50	6.70	24.0	6.5	10	--	--	--
SEP 18...	1245	8.3	53	6.80	25.0	6.3	8	--	--	--
OCT 23...	1340	85	44	6.50	22.0	7.4	5	--	--	--
DEC 04...	1345	181	37	6.30	12.0	10.8	5	--	--	--
JAN 1986										
16...	1130	71	43	6.30	8.0	11.2	10	--	--	--
FEB 19...	1430	77	46	6.10	19.5	8.2	6	--	--	--
MAR 21...	1230	42	50	6.80	14.0	9.9	7	--	--	--
APR 29...	1300	47	48	6.60	22.5	7.8	12	--	--	--
MAY 21...	1130	28	43	6.40	21.0	7.9	7	--	--	--
JUN 25...	1100	34	49	6.60	27.0	6.2	10	--	--	--
JUL 22...	1200	9.1	56	6.60	28.0	6.5	11	--	--	--
AUG 05...	1315	7.0	59	6.60	27.0	6.9	11	--	--	--
SEP 16...	1200	6.3	39	6.20	27.0	6.5	6	--	--	--
NOV 05...	1230	42	45	6.90	17.5	8.3	8	--	--	--
26...	1330	1060	28	5.90	15.5	8.7	3	128	366	97
FEB 1987										
11...	1300	80	47	6.30	11.5	10.3	8	18	3.9	85
27...	1350	4760	19	5.90	12.5	11.2	4	305	3920	58
JUN 23...	1220	16	--	6.50	27.5	8.5	8	32	1.4	94
SEP 23...	1215	20	44	6.40	20.0	--	7	72	3.9	99

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN--CONTINUED

312956093130600 SIMMONS BRANCH NEAR BELLWOOD, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
29...	1415	0.74	31	6.40	19.0	8.9	3	—	—	—
JUN 18...	1115	0.82	36	6.70	23.0	8.5	5	—	—	—
JUL 24...	1330	0.54	34	6.70	25.5	7.7	5	—	—	—
AUG 20...	1330	0.44	31	6.70	21.5	7.9	4	—	—	—
SEP 18...	1320	0.30	39	6.90	23.5	8.1	3	—	—	—
OCT 23...	1430	1.0	41	6.80	21.5	7.7	4	—	—	—
DEC 04...	1430	3.3	39	6.40	12.0	10.6	3	—	—	—
JAN 1986										
16...	1400	1.7	43	6.20	10.0	11.8	4	—	—	—
FEB 19...	—	2.0	41	5.70	20.0	8.7	2	—	—	—
MAR 21...	1330	1.2	35	6.60	14.0	10.4	3	—	—	—
APR 29...	—	0.93	39	6.00	21.0	8.3	6	—	—	—
MAY 21...	—	0.71	39	6.60	20.5	7.9	5	—	—	—
JUN 25...	1145	0.58	42	6.80	25.5	8.2	6	—	—	—
JUL 22...	1245	0.56	37	6.70	28.0	8.0	5	—	—	—
AUG 05...	1400	0.42	42	6.60	27.5	7.7	5	—	—	—
SEP 16...	1300	0.37	34	6.50	26.5	7.6	4	—	—	—
NOV 05...	1300	1.4	40	7.40	17.0	9.3	5	—	—	—
26...	1315	7.3	37	5.90	14.5	9.6	2	30	0.59	81
FEB 1987										
11...	1340	1.6	43	6.30	14.0	10.3	5	9	0.04	68
27...	1335	19	29	5.90	14.0	11.1	5	78	4.0	76
JUN 23...	1315	0.58	—	6.00	26.5	8.3	5	9	0.01	67
SEP 23...	—	—	33	7.20	19.0	—	7	7	—	93

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN--CONTINUED

313220093022300 BAYOU LUCE NEAR MONTROSE, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
29...	0945	0.40	68	4.70	21.5	8.9	0	—	—	—
JUN										
18...	0940	0.25	82	4.70	23.5	7.1	0	—	—	—
JUL										
24...	0925	0.23	83	4.50	24.0	7.0	0	—	—	—
AUG										
20...	0945	0.24	68	4.70	25.5	7.0	0	—	—	—
SEP										
18...	0945	0.31	92	4.40	22.0	7.1	0	—	—	—
OCT										
23...	0940	1.0	66	4.70	22.0	8.0	0	—	—	—
DEC										
04...	1045	2.4	53	6.80	12.0	10.4	2	—	—	—
JAN 1986										
15...	1015	1.0	55	4.70	7.0	11.4	1	—	—	—
FEB										
19...	0945	1.0	59	4.80	16.0	8.3	2	—	—	—
MAR										
21...	—	0.79	61	5.10	11.0	9.9	0	—	—	—
APR										
29...	0930	1.0	64	5.40	19.0	7.7	2	—	—	—
MAY										
21...	1000	0.36	68	4.90	17.0	8.2	0	—	—	—
JUN										
25...	0915	0.37	68	5.00	23.5	6.7	2	—	—	—
JUL										
22...	0915	0.27	78	5.90	25.0	6.7	0	—	—	—
AUG										
05...	0930	0.24	81	4.50	23.0	7.0	0	—	—	—
SEP										
16...	0955	0.24	68	4.50	23.0	7.0	0	—	—	—
NOV										
05...	0915	1.0	77	5.00	17.0	8.4	1	—	—	—
26...	1215	7.3	43	5.10	13.5	10.7	1	24	0.47	92
FEB 1987										
11...	0950	1.3	57	5.20	11.5	10.4	2	—	—	—
27...	0945	12	36	5.20	16.0	11.2	3	40	1.3	79
JUN										
23...	0845	0.33	—	4.80	24.0	7.3	0	13	0.01	92
SEP										
23...	0900	0.36	64	4.80	17.0	—	0	12	0.01	92

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN--CONTINUED

313204093073500 LAIRD CREEK NEAR MONTROSE, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JUN 1985										
18...	1400	1.2	16	6.70	22.0	8.5	4	--	--	--
JUL 24...	1050	0.99	16	7.40	23.5	8.0	2	--	--	--
AUG 20...	1100	0.72	15	6.50	25.0	8.1	4	--	--	--
SEP 18...	1045	0.83	18	6.40	21.5	8.3	3	--	--	--
OCT 23...	1130	1.6	23	6.60	22.0	7.9	2	--	--	--
DEC 04...	—	3.3	28	6.50	12.0	10.8	2	--	--	--
JAN 1986										
16...	1010	2.3	—	6.20	8.0	10.6	2	--	--	--
FEB 19...	1100	2.5	27	5.70	17.0	11.0	2	--	--	--
MAR 21...	1100	1.5	23	6.50	11.0	11.1	2	--	--	--
APR 29...	1045	1.4	21	6.70	18.5	9.1	7	--	--	--
MAY 21...	1100	1.2	20	6.50	18.0	9.4	2	--	--	--
JUN 25...	0930	1.1	23	6.90	23.0	8.4	4	--	--	--
JUL 22...	1030	0.83	18	6.70	25.0	7.9	2	--	--	--
AUG 05...	1115	0.81	18	6.70	22.5	8.3	3	--	--	--
SEP 16...	1100	1.1	17	6.20	22.5	8.3	2	--	--	--
NOV 05...	1030	1.6	27	5.80	17.5	9.0	2	--	--	--
26...	1000	6.1	33	5.30	14.5	9.6	2	52	0.86	68
FEB 1987										
11...	1050	2.2	31	7.20	12.5	10.3	4	--	--	--
27...	1055	12	29	5.50	13.0	11.0	2	80	2.5	73
JUN 23...	0945	1.7	—	5.90	23.0	8.9	1	11	0.05	64
SEP 23...	1030	0.85	15	6.31	16.5	—	2	2	0.00	67

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN--CONTINUED

315454092523700 RANGE BRANCH NEAR CALVIN, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
30...	0945	0.43	112	7.00	22.5	7.7	38	--	--	--
JUN 19...	1010	0.47	99	7.00	22.5	6.0	36	--	--	--
JUL 25...	1015	0.24	84	6.10	25.0	5.4	28	--	--	--
AUG 21...	0930	0.17	78	7.00	23.0	5.0	29	--	--	--
SEP 19...	0930	0.18	82	6.60	21.0	5.2	24	--	--	--
OCT 24...	0930	0.41	91	6.60	20.5	6.2	26	--	--	--
DEC 05...	1030	0.85	124	6.60	10.0	10.0	40	--	--	--
JAN 1986										
21...	1030	0.57	117	6.70	11.0	9.3	34	--	--	--
FEB 20...	0915	1.2	151	6.70	16.0	7.0	43	--	--	--
MAR 17...	1030	1.2	178	7.10	16.0	7.2	57	--	--	--
APR 30...	0945	0.50	134	6.90	19.0	7.7	51	--	--	--
MAY 20...	--	0.66	109	6.80	18.0	6.0	31	--	--	--
JUN 26...	0845	0.32	147	7.00	24.0	4.2	48	--	--	--
JUL 23...	1030	0.17	106	6.90	25.0	4.6	37	--	--	--
AUG 06...	0930	0.26	89	6.80	23.5	4.4	30	--	--	--
SEP 17...	1000	0.14	71	6.60	23.5	4.3	24	--	--	--
NOV 06...	0930	0.91	89	6.80	16.0	6.3	27	--	--	--
25...	1215	184	69	6.70	15.0	9.1	25	178	88	81
FEB 1987										
12...	0930	1.9	140	7.00	11.5	9.6	50	10	0.05	81
26...	1145	624	40	6.70	12.0	9.4	8	154	259	86
JUN 24...	0900	1.7	--	6.70	23.0	7.9	6	56	0.26	71
SEP 25...	0915	0.0	78	5.80	17.5	5.8	27	8	--	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN--CONTINUED

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
02...	0945	16100	165	7170	98
NOV					
06...	0945	110000	397	118000	81
DEC					
04...	0945	91500	711	176000	97
18...	0945	141000	820	312000	87
JAN					
08...	0945	66000	230	41000	92
29...	0945	22000	191	11300	98
FEB					
12...	0945	111000	2090	625000	82
26...	0945	74000	260	51900	97
MAR					
05...	0945	42000	129	14600	100
19...	0945	40000	218	23600	100
APR					
02...	0945	37000	142	14200	99
16...	0945	77000	631	131000	97
30...	0945	100000	961	259000	91
MAY					
14...	0945	58000	213	33300	100
JUN					
04...	0945	68000	416	76300	100
11...	0945	126000	1930	656000	95
JUL					
09...	0945	76000	372	76400	86
23...	0845	93000	125	31400	97
AUG					
06...	0845	18000	118	5750	97
SEP					
10...	0845	12000	111	3580	95
17...	0745	19000	171	8780	99

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

311126092342200 LOVING CREEK NEAR WOODWORTH, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
28...	1500	3.8	32	6.90	20.5	9.1	10	—	—	—
JUN 17...	1515	3.5	34	7.20	23.0	8.5	12	—	—	—
JUL 23...	1250	3.9	35	6.80	22.0	7.8	13	—	—	—
AUG 23...	—	3.8	31	6.70	27.0	8.1	10	—	—	—
SEP 17...	1400	4.3	36	6.90	21.0	8.2	11	—	—	—
OCT 22...	1400	5.0	37	6.60	21.0	8.2	11	—	—	—
DEC 03...	1430	6.3	28	6.90	12.0	10.8	10	—	—	—
JAN 1986										
14...	1500	5.8	—	5.60	11.0	9.8	10	—	—	—
FEB 18...	1500	5.3	34	6.50	18.0	9.0	10	—	—	—
MAR 20...	1330	4.4	34	7.00	15.0	10.0	10	—	—	—
APR 28...	1430	3.9	33	6.90	19.0	8.4	16	—	—	—
MAY 19...	1430	3.9	33	7.00	19.0	8.5	11	—	—	—
JUN 24...	1345	3.6	41	7.40	22.5	7.8	14	—	—	—
JUL 21...	1315	3.4	35	6.90	25.0	7.6	13	—	—	—
AUG 04...	1430	3.0	35	7.10	22.5	7.7	12	—	—	—
SEP 15...	1300	3.0	29	6.90	22.0	8.5	11	—	—	—
NOV 04...	1330	3.0	35	6.90	18.5	8.7	15	—	—	—
26...	0930	5.9	34	6.60	14.0	—	9	19	0.30	59
FEB 1987										
13...	1045	4.1	34	6.90	15.0	9.6	13	8	0.09	53
26...	1000	73	18	6.00	10.5	10.4	3	182	36	54
JUN 22...	1210	3.1	—	6.50	21.0	8.9	12	3	0.02	67
SEP 24...	0900	3.1	31	5.50	16.0	9.0	12	3	0.02	67

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
MISSISSIPPI RIVER DELTA--CONTINUED
310720092322600 UPPER CLEAR BAYOU NEAR WOODWORTH, LA
WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
28...	1345	3.1	31	6.70	21.0	9.4	9	--	--	--
JUN 17...	1350	2.6	33	7.00	24.0	7.9	13	--	--	--
JUL 23...	1100	2.7	33	6.70	23.5	7.6	11	--	--	--
AUG 23...	1015	2.5	30	6.60	28.0	7.5	12	--	--	--
SEP 17...	1245	2.7	38	7.10	21.0	8.1	11	--	--	--
OCT 22...	1300	3.6	34	6.60	21.5	7.7	8	--	--	--
DEC 03...	1315	5.6	24	7.00	10.5	10.6	9	--	--	--
JAN 1986										
14...	1345	5.3	27	4.60	9.5	10.5	8	--	--	--
FEB 18...	1345	4.8	31	6.30	18.0	9.1	10	--	--	--
MAR 20...	1215	4.3	35	6.70	15.0	9.0	7	--	--	--
APR 28...	1245	2.9	31	6.50	19.0	8.1	12	--	--	--
MAY 19...	1330	2.9	32	6.90	19.0	7.9	11	--	--	--
JUN 24...	1215	2.3	37	7.20	24.0	7.0	14	--	--	--
JUL 21...	1415	2.2	33	6.90	25.5	6.8	12	--	--	--
AUG 04...	1230	2.1	34	6.90	23.5	7.4	12	--	--	--
SEP 15...	1200	2.1	28	6.80	22.0	7.5	10	--	--	--
NOV 04...	1230	2.2	33	6.80	18.0	8.4	13	102	0.59	70
25...	1015	137	19	5.60	16.0	8.9	3	--	--	--
FEB 1987										
13...	0945	4.5	30	6.70	14.0	9.8	11	--	--	--
26...	0935	118	17	6.80	11.0	12.8	2	147	47	80
JUN 22...	1100	4.2	--	6.00	21.5	8.9	8	12	0.14	75
SEP 24...	1000	2.6	29	7.12	17.0	8.9	12	6	0.04	92

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA--CONTINUED

07381800 SPRING CREEK NEAR GLENMORA, LA

WATER-QUALITY DATA, WATER YEARS OCTOBER 1984 TO SEPTEMBER 1987

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CACO3	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAY 1985										
28...	1130	48	44	6.60	21.5	10.1	14	--	--	--
JUN 17...	--	44	45	6.70	23.5	8.2	8	--	--	--
JUL 23...	0915	47	44	6.00	23.5	7.5	15	--	--	--
AUG 23...	1100	45	39	6.70	23.5	7.6	15	--	--	--
SEP 17...	1130	41	75	6.40	21.0	8.1	16	--	--	--
OCT 22...	1145	92	34	6.20	22.0	7.2	7	--	--	--
DEC 03...	1200	100	34	6.50	12.0	9.9	16	--	--	--
JAN 1986										
14...	1200	69	40	6.10	12.0	9.5	13	--	--	--
FEB 18...	1130	63	47	6.40	18.0	8.9	11	--	--	--
MAR 20...	1030	59	43	6.80	16.0	8.5	12	--	--	--
APR 28...	1200	49	43	6.80	19.0	8.2	17	--	--	--
MAY 19...	1115	47	43	6.80	19.0	7.7	13	--	--	--
JUN 24...	1100	50	43	--	23.0	7.2	0	--	--	--
JUL 21...	1030	44	47	6.80	24.5	6.9	15	--	--	--
AUG 04...	1140	46	45	6.70	23.0	7.2	19	--	--	--
SEP 15...	1030	42	39	6.60	22.0	7.7	12	--	--	--
NOV 04...	1100	44	44	6.50	18.5	8.4	18	--	--	--
25...	1230	1330	87	5.80	16.0	8.9	37	208	747	88
FEB 1987										
13...	0830	44	42	6.60	15.0	8.9	15	12	1.4	67
26...	1220	462	21	6.30	12.0	9.6	3	175	218	96
JUN 22...	1005	52	--	6.00	21.0	9.1	12	14	2.0	86
SEP 24...	1130	60	38	7.60	18.5	8.4	18	12	1.9	92

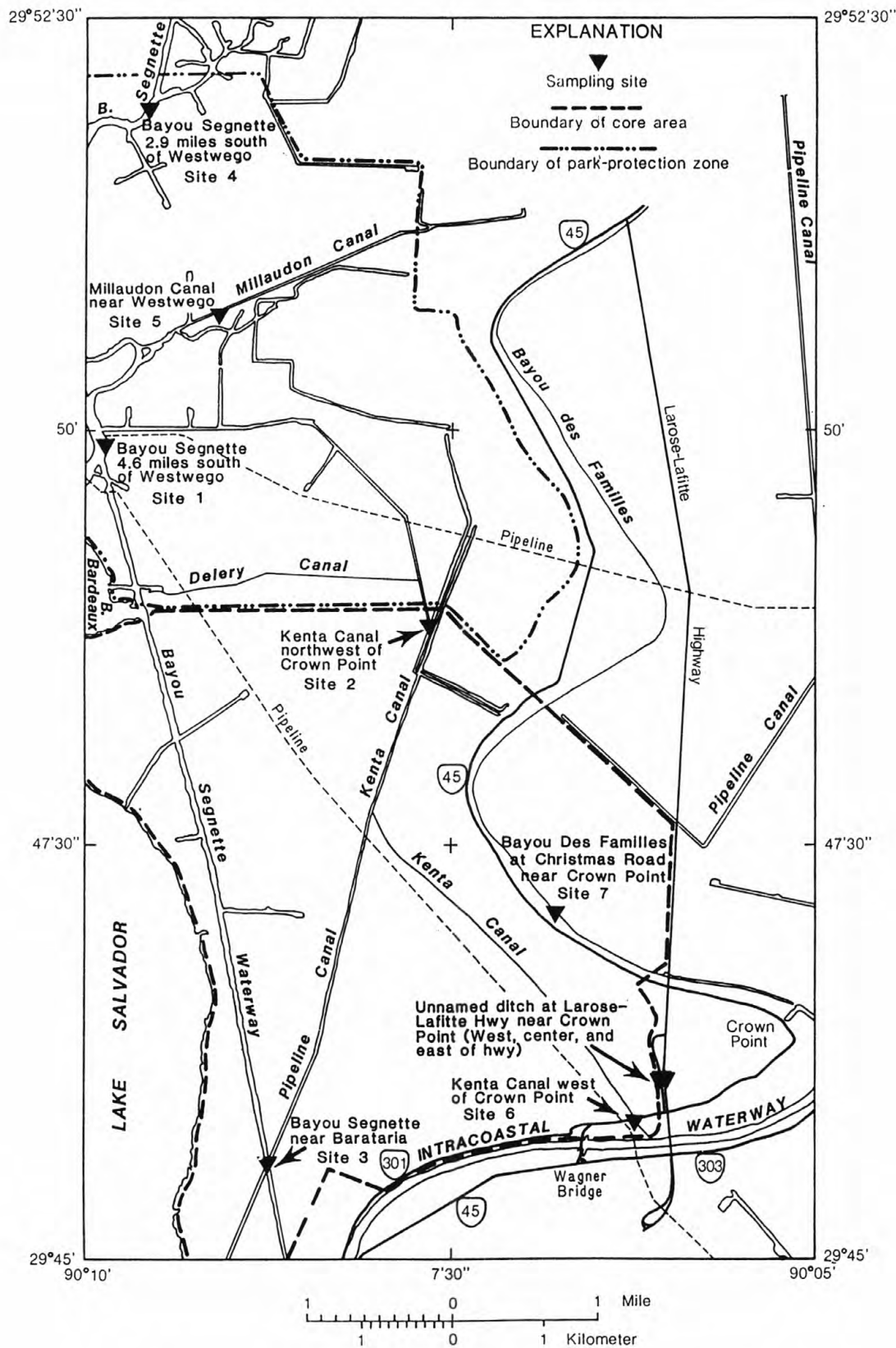


Figure 20.—Location of sampling sites in the Barataria unit,
Jean Lafitte National Historical Park.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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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]

295040090091600 MILLAUDON CANAL (SITE 5) NEAR WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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)
AUG 19...	0950	947	8.00	31.5	70	4.4	2.3	7.8	96
SEP 30...	1112	1200	7.85	25.0	40	12	2.7	6.8	290

DATE	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, WH. WAT. TOTAL FIELD (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
AUG 19...	250	240	62	21	95	6.0	217	47	140
SEP 30...	1100	250	60	25	140	12	259	66	170

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, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
AUG 19...	—	18	556	520	0.46	2.4	3.4	1.8
SEP 30...	0.6	14	634	590	0.03	8.6	10	6.0

DATE	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS Ba)	CADMIUM, TOTAL RECOVERABLE (UG/L AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS Cr)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	IRON, TOTAL RECOVERABLE (UG/L AS Fe)	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)	SELENIUM, TOTAL (UG/L AS Se)	SILVER, TOTAL RECOVERABLE (UG/L AS Ag)	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)
AUG 19...	9	<100	4	<1	10	550	6	<0.1	<1	<1	60

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

295153090095500 BAYOU SEGNETTE 3.1 MI SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	1225	5140	19.0	1500	05...	1135	1140	15.0	220
19...	1115	3930	19.0	1100	20...	1315	1410	28.5	280
NOV					MAY				
02...	1335	4680	19.0	1400	03...	1105	1940	26.5	480
DEC					17...	1147	1310	29.0	270
07...	1200	2650	19.0	700	JUN				
21...	1010	2520	23.0	600	01...	1500	1660	30.0	370
JAN					15...	1455	920	29.5	160
04...	1246	2370	23.5	560	JUL				
18...	1330	1250	23.5	220	08...	1535	968	30.5	160
FEB					19...	1156	1120	33.0	180
01...	1045	1170	23.5	180	SEP				
15...	1140	1480	23.5	250	08...	1030	1070	--	220
MAR									
14...	1130	1640	15.5	340					

295000090090500 UNNAMED CANAL 0.7 MI SOUTH OF MILLAUDON CANAL

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	1200	7040	19.0	2200	05...	1110	1600	16.5	440
19...	1100	4050	19.0	1200	20...	1145	2090	25.5	560
NOV					MAY				
02...	1215	6210	19.0	2000	03...	1100	2000	26.0	520
DEC					17...	1134	1730	28.5	440
07...	1145	4560	19.0	1400	JUN				
21...	0915	3510	23.5	1000	01...	1445	1530	30.0	390
JAN					15...	1440	1380	29.5	360
04...	1209	3310	23.5	960	JUL				
18...	1230	3320	23.5	900	08...	1515	1110	29.0	280
FEB					19...	1143	1330	32.0	330
01...	1035	2050	23.5	560	SEP				
15...	1040	1940	23.5	500	08...	1045	1080	30.0	180
MAR									
14...	1030	2130	15.0	550					

294824090093600 BAYOU SEGNETTE 5.2 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	1235	9000	19.0	2900	05...	1240	1970	15.5	520
19...	1045	8640	19.0	2800	20...	1130	2180	26.5	580
NOV					MAY				
02...	1125	10300	19.0	3400	03...	1120	2010	26.0	590
DEC					17...	1211	1070	29.0	390
07...	1140	5300	19.0	1600	JUN				
21...	1040	7430	23.5	2300	01...	1510	1620	29.5	410
JAN					15...	1505	1130	29.5	280
04...	1200	6080	23.5	1800	JUL				
18...	1210	4000	23.5	1200	08...	1600	931	30.0	200
FEB					19...	1205	1100	33.5	240
01...	1100	2740	23.5	720	SEP				
15...	1200	2770	23.5	760	08...	0925	1000	29.5	260
MAR									
14...	1250	2140	16.5	500					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued

294957090095300 BAYOU SEGNETTE (SITE 1) 4.6 MILES SOUTH OF WESTWEGO, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/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)
AUG 19...	1010	1210	7.38	32.5	70	6.3	3.6	5.5	54
SEP 30...	1130	891	7.71	25.0	40	14	5.2	1.7	60

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY WH WATER TOTAL FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
AUG 19...	350	170	34	21	170	6.0	114	43	290
SEP 30...	480	100	11	—	130	6.9	48	30	210

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, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
AUG 19...	—	10	640	640	0.08	0.17	1.2	0.53
SEP 30...	0.3	7.7	480	440	0.06	0.07	0.96	0.20

DATE	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS Ba)	CADMIUM, TOTAL RECOVERABLE (UG/L AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS Cr)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	IRON, TOTAL RECOVERABLE (UG/L AS Fe)	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)	SELENIUM, TOTAL (UG/L AS Se)	SILVER, TOTAL RECOVERABLE (UG/L AS Ag)	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)
AUG 19...	4	<100	1	<1	8	430	5	<0.1	<1	2	30

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued
 294844090073900 KENTA CANAL NORTHWEST OF CROWN POINT
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	0910	4100	19.0	1200	05...	0925	2120	10.5	580
19...	1025	3380	19.0	1000	20...	0930	2500	24.0	680
NOV					MAY				
02...	0850	4130	19.0	1200	03...	1000	2480	25.5	680
DEC					17...	1035	2470	27.0	690
07...	1040	3260	19.0	980	JUN				
21...	1200	2680	23.5	790	01...	1425	1730	29.5	440
JAN					15...	1420	1410	29.5	360
04...	1019	2420	24.0	670	JUL				
18...	0940	1330	24.0	370	08...	1500	1360	29.0	360
FEB					19...	1052	1710	31.5	450
01...	1000	2190	24.0	620	SEP				
15...	0925	2530	23.5	730	08...	1200	2530	29.0	680
MAR									
14...	0925	3010	13.5	890					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294551090061500 KENTA CANAL (SITE 6) WEST OF CROWN POINT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
AUG 19...	1130	1940	7.27	31.0	100	6.6	3.3	5.2	96
SEP 30...	0950	964	7.80	25.0	15	22	4.9	2.9	280

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY WH WATER TOTAL FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
AUG 19...	420	240	43	33	280	7.7	137	24	520	
SEP 30...	680	210	42	25	110	6.8	128	76	160	

DATE	TIME	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
AUG 19...	—	13	1120	1000	0.06	0.05	1.5	0.26	
SEP 30...	0.6	3.5	530	500	0.64	0.08	0.74	0.28	

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS Ba)	CADMIUM, TOTAL RECOVERABLE (UG/L AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS Cr)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	IRON, TOTAL RECOVERABLE (UG/L AS Fe)	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)	SELENIUM, TOTAL (UG/L AS Se)	SILVER, TOTAL RECOVERABLE (UG/L AS Ag)	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)
AUG 19...	2	200	2	<1	7	620	<5	0.4	<1	<1	50	

DATE	TIME	SPECIFIC CONDUCTANCE LAB (US/CM)	TEMPERATURE WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS Cl)	DATE	TIME	SPECIFIC CONDUCTANCE LAB (US/CM)	TEMPERATURE WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS Cl)
OCT 12...	0800	4420	19.5	1300	APR 05...	0755	2030	15.0	500
19...	1005	3660	19.5	1100	20...	0900	2390	23.0	600
NOV 02...	0730	3150	19.5	890	MAY 03...	1030	2050	26.0	500
DEC 07...	0800	2040	19.5	530	17...	0748	903	26.5	160
21...	0745	1720	23.5	440	JUN 01...	1240	—	—	660
JAN 04...	0948	1210	23.5	330	15...	1350	2070	28.5	510
18...	0948	1050	24.0	260	JUL 08...	1435	731	29.5	120
FEB 01...	0935	1090	23.5	210	19...	0946	693	31.0	100
15...	0750	878	23.5	120	SEP 08...	0900	600	29.5	62
MAR 14...	0755	709	12.0	110					

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

294747090101600 BAYOU BARDEAUX AT LAKE SALVADOR

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	1240	11200	19.0	3700	05...	1320	1980	15.0	520
19...	1130	10400	19.0	3500	20...	1340	2190	27.0	640
NOV					20...	1400	2390	—	580
02...	1135	11900	19.0	4000	MAY				
DEC					03...	1130	1690	25.5	440
07...	1210	7920	19.5	2500	17...	1202	1560	29.5	410
21...	1045	8190	23.5	2500	JUN				
JAN					01...	1515	1600	29.5	420
04...	1257	5600	23.5	1600	15...	1520	1580	32.0	400
FEB					JUL				
01...	1100	3730	23.5	1000	08...	1540	1120	30.5	280
MAR					19...	1211	1020	32.0	250
14...	1335	2180	15.5	580	SEP				
					08...	0930	731	29.0	180

294427090083100 BAYOU VILLARS AT BAYOU SEGNETTE WATERWAY NEAR BARATARIA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	0810	10200	19.5	3600	05...	0815	2780	10.5	740
19...	1015	11400	19.0	4200	20...	1420	2420	28.5	620
NOV					MAY				
02...	0745	10100	19.5	3400	03...	0940	2310	25.5	610
DEC					17...	1000	2090	27.0	550
07...	0820	8970	19.5	2900	JUN				
21...	1215	7530	23.5	2300	01...	1250	1510	29.5	380
JAN					15...	1400	1840	30.0	470
04...	1328	6600	23.5	2000	JUL				
18...	0800	1700	23.5	420	08...	1405	904	29.5	210
FEB					19...	1001	1240	30.0	300
01...	0950	2200	23.5	600	SEP				
15...	0810	2290	23.5	600	08...	0905	1610	28.5	410
MAR									
14...	1515	1840	18.5	460					

294539090084500 BAYOU SEGNETTE NEAR BARATARIA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	TEMPER- ATURE WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT					APR				
12...	0815	8250	19.5	2600	05...	0820	2170	14.5	560
19...	1020	6110	19.5	1900	20...	1015	2400	24.5	630
NOV					MAY				
02...	0750	9010	19.0	3000	03...	0950	2260	26.0	570
DEC					17...	1008	1880	28.0	500
07...	0825	5780	19.0	1800	JUN				
21...	1210	6270	23.5	1900	01...	1255	1700	29.5	440
JAN					15...	1405	2140	30.0	570
04...	1111	5080	24.0	1500	JUL				
18...	0810	2640	23.5	700	08...	1450	1140	30.0	270
FEB					19...	1022	1340	30.5	320
01...	0955	2660	23.5	720	SEP				
15...	0830	2810	23.5	780	08...	0910	4590	29.5	1300
MAR									
14...	0840	2030	12.0	500					

GROUND-WATER LEVELS

353

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. 3, 1986	65.90H	JAN. 5, 1987	59.63	APR. 5, 1987	60.05	JUNE 30, 1987	66.80
OCT. 5	65.78	JAN. 10	59.40	APR. 10	61.18	JULY 5	66.58
OCT. 10	65.48	JAN. 15	59.20	APR. 15	62.87	JULY 10	65.88
OCT. 15	65.12	JAN. 20	58.72	APR. 20	66.12	JULY 15	65.52
OCT. 20	65.15	JAN. 23	58.58H	APR. 25	68.29	JULY 20	64.78
OCT. 25	64.55	JAN. 25	58.42	APR. 28	69.54H	JULY 25	64.40
OCT. 31	64.19	JAN. 31	58.20	APR. 30	70.08	JULY 31	64.62
NOV. 5	63.58	FEB. 5	57.94	MAY 5	70.78	AUG. 1	64.82H
NOV. 10	63.13	FEB. 10	57.98	MAY 10	69.42	AUG. 5	64.65
NOV. 15	63.05	FEB. 15	57.83	MAY 15	68.82	AUG. 10	64.26
NOV. 20	62.54	FEB. 20	57.45	MAY 20	70.18	AUG. 15	63.64
NOV. 25	62.19	FEB. 25	57.18	MAY 24	71.18J	AUG. 20	63.08
NOV. 30	61.84	FEB. 28	56.90	MAY 25	71.13	AUG. 25	63.27
DEC. 2	61.68H	MAR. 5	56.90	MAY 31	69.41	AUG. 31	64.80
DEC. 5	61.69	MAR. 10	56.80	JUNE 2	69.27H	SEP. 5	64.77
DEC. 10	61.48	MAR. 15	56.68	JUNE 5	69.76	SEP. 10	65.43
DEC. 15	61.32	MAR. 19	56.41J	JUNE 10	70.43	SEP. 15	64.95
DEC. 20	60.80	MAR. 20	56.58	JUNE 15	69.23	SEP. 20	64.29
DEC. 25	60.28	MAR. 25	57.51	JUNE 20	67.74	SEP. 25	63.74
DEC. 31	60.03	MAR. 31	59.30	JUNE 25	66.91	SEP. 30	63.49

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 PLEISTOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,
 LOWEST WATER LEVEL 64.00 BELOW LSD, FEB. 17, 1981.
 RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	56.95	FEB. 12, 1987	57.53	APR. 28, 1987	57.34	AUG. 1, 1987	57.06

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. 3, 1986	56.25	FEB. 12, 1987	51.90	APR. 28, 1987	52.91	AUG. 1, 1987	55.85

SEE FOOTNOTES AT END OF TABLE.

311006092081501 LOCAL WELL NUMBER: AV-163

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 1 1/4 IN., DEPTH 300 FT, SCREENED 295-300. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 78 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 23.65 BELOW LSD, APR. 15, 1975,
 LOWEST WATER LEVEL 39.72 BELOW LSD, OCT. 13, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1986	31.73	MAR. 9, 1987	32.43	AUG. 19, 1987	32.11		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1986	37.87	MAR. 9, 1987	37.67	AUG. 19, 1987	36.60		

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 10 IN., DEPTH 370 FT, SCREENED 320-370. MP TOP OF BREATHING PIPE, 2.00 FT ABOVE LSD.
 LSD 76 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966,
 LOWEST WATER LEVEL 94.19 BELOW LSD, MAY 24, 1985.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1986	79.00A	MAR. 9, 1987	78.32A	AUG. 18, 1987	78.53A		

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 360 FT, SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 80 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.30 BELOW LSD, APR. 15, 1975,
 LOWEST WATER LEVEL 40.90 BELOW LSD, DEC. 10, 1981.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1986	39.20	MAR. 9, 1987	38.94	AUG. 19, 1987	38.36		

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. PRIOR TO OCT. 8, 1986, MP TOP OF CASING, 3.40 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.

(HIGHEST WATER LEVEL FORMERLY PUBLISHED AS 55.05 BELOW LSD, JULY 18, 1973, JUNE 30, 1975.)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	64.15						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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BEAUREGARD PARISH

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
JAN. 23, 1987	35.19	MAY 12, 1987	35.70	AUG. 17, 1987	35.98		

BIENVILLE PARISH

323240093032001 LOCAL WELL NUMBER: BI-2

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 490 FT, SCREENED 429-490. MP TOP OF 3/4-IN. NIPPLE ON PIPE, 3.50 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.68 BELOW LSD, MAR. 31, 1949,
 LOWEST WATER LEVEL 103.74 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 13, 1987	92.17	APR. 15, 1987	82.61	JULY 15, 1987	86.40	SEP. 14, 1987	99.14
MAR. 12	95.88	JUNE 2	96.05				

323251092551901 LOCAL WELL NUMBER: BI-4

OWNER: LOUISIANA GAS SERVICE CO. (SEC. 18, T. 18N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN., DEPTH 585 FT, SCREENED 518-585. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 350 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 149.55 BELOW LSD, OCT. 9, 1940,
 LOWEST WATER LEVEL 228.75 BELOW LSD, JULY 1, 1977.
 RECORDS AVAILABLE 1940, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	192.37	JAN. 7, 1987	183.54	APR. 13, 1987	187.35	JULY 28, 1987	195.19
NOV. 12	185.03	MAR. 5	184.59	JUNE 11	186.56	SEP. 14	196.62

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 230.49 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	228.49	JAN. 7, 1987	227.78	APR. 13, 1987	226.54	JULY 28, 1987	229.82
NOV. 12	227.24	MAR. 5	226.33	JUNE 11	228.17	SEP. 10	230.49

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 171.65 BELOW LSD, SEP. 15, 1987.
 RECORDS AVAILABLE 1975-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	171.07	MAR. 4, 1987	171.36	SEP. 15, 1987	171.65		

322343093211501 LOCAL WELL NUMBER: BI-214

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 16N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 159 FT, SCREENED 149-159. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 177 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 18.23 BELOW LSD, JUNE 2, 1987,
 LOWEST WATER LEVEL 22.55 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1987	19.43	MAR. 5, 1987	18.47	JUNE 2, 1987	18.23	SEP. 15, 1987	19.44

321616093184201 LOCAL WELL NUMBER: BI-215

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 15N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 244 FT, SCREENED 234-244. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 270 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.14 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 50.44 BELOW LSD, SEP. 5, 1985.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1987	48.82	MAR. 5, 1987	48.43	JUNE 2, 1987	48.51	SEP. 15, 1987	49.25

322119092572301 LOCAL WELL NUMBER: BI-216

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 16N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 300 FT, SCREENED 290-300. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 200 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.82 BELOW LSD, MAY 19, 1980,
 LOWEST WATER LEVEL 17.02 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	16.44	MAR. 4, 1987	14.86	JUNE 11, 1987	15.30	SEP. 15, 1987	15.85
JAN. 7, 1987	15.28						

321616093184202 LOCAL WELL NUMBER: BI-234

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 15N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 76 FT, SCREENED 73-76. MP TOP OF BUSHING, 2.90 FT ABOVE LSD.
 LSD 270 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 22.54 BELOW LSD, MAR. 5, 1987,
 LOWEST WATER LEVEL 29.22 BELOW LSD, JAN. 18, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1987	24.76	APR. 10, 1987	23.72	JULY 21, 1987	26.16	SEP. 15, 1987	27.35
MAR. 5	22.54	JUNE 2	24.36				

GROUND-WATER LEVELS

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BIENVILLE PARISH

322330093165201 LOCAL WELL NUMBER: BI-238

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 10, T. 16N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARRIZO SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 167 FT, SCREENED 157-167. MP TOP OF BUSHING, AT LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 59.45 BELOW LSD, APR. 13, 1987,
 LOWEST WATER LEVEL 62.65 BELOW LSD, FEB. 3, 1983.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1987	60.42	APR. 13, 1987	59.45	JULY 21, 1987	60.46	SEP. 15, 1987	61.33
MAR. 5	59.79	JUNE 2	60.98				

BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: LOUISIANA STATE UNIVERSITY RED RIVER VALLEY EXPERIMENT STATION. (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 4 IN., DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BUSHING, 1.05 FT ABOVE LSD.
 LSD 155.42 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.59 BELOW LSD, JUNE 10, 1958,
 LOWEST WATER LEVEL 25.68 BELOW LSD, NOV. 27, 1978.
 RECORDS AVAILABLE 1955-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	16.51	MAR. 6, 1987	13.29	JUNE 3, 1987	14.34	SEP. 2, 1987	16.27

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 16.72 BELOW LSD, SEP. 24, 1984.
 RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 9, 1987	13.07	MAR. 11, 1987	12.05	JUNE 3, 1987	16.71	SEP. 17, 1987	15.45

323840093272001 LOCAL WELL NUMBER: BO-336

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 19N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.40 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 26.78 BELOW LSD, JULY 11, 1974,
 LOWEST WATER LEVEL 41.17 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	34.33	MAR. 11, 1987	30.52	JUNE 5, 1987	31.58	SEP. 14, 1987	31.15

LOUISIANA - CALCASIEU PARISH

CADDO PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 54 FT, SCREENED 51-54. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 189.71 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975,
 LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 16, 1986	10.83	JAN. 6, 1987	7.18	APR. 8, 1987	7.65	JULY 7, 1987	9.08
NOV. 4	10.76	FEB. 4	7.67	MAY 5	8.56	AUG. 5	10.02
DEC. 4	8.43	MAR. 5	6.35	JUNE 2	9.01	SEP. 2	11.07

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. 2, 1986	108.32H	JAN. 23, 1987	104.45H	MAR. 31, 1987	100.13	JUNE 5, 1987	107.61
OCT. 5	109.19	JAN. 25	103.53	APR. 5	101.27	JUNE 10	107.58
OCT. 10	107.89	JAN. 31	101.58	APR. 10	99.82	JUNE 15	106.09
OCT. 15	106.34	FEB. 5	101.38	APR. 15	100.33	JUNE 20	107.39
OCT. 20	106.30	FEB. 10	101.57	APR. 20	100.73	JUNE 25	108.05
OCT. 25	105.57	FEB. 15	101.09	APR. 25	103.02	AUG. 17	109.28H
OCT. 31	105.14	FEB. 20	100.43	APR. 29	103.22H	AUG. 20	110.39J
NOV. 5	104.16	FEB. 25	100.10	APR. 30	102.36	AUG. 25	108.83
NOV. 10	104.58	FEB. 26	100.04H	MAY 5	103.31	AUG. 31	107.66
NOV. 15	103.22	FEB. 28	100.31	MAY 10	103.30	SEP. 5	108.70
NOV. 20	104.43	MAR. 5	100.12	MAY 15	104.15	SEP. 10	107.33
NOV. 25	101.69	MAR. 10	100.15	MAY 20	105.24	SEP. 15	106.78
NOV. 30	100.16	MAR. 15	99.58	MAY 25	105.25	SEP. 20	107.29
DEC. 2	101.44H	MAR. 20	98.51J	MAY 31	105.00	SEP. 25	108.09
DEC. 16	100.30H	MAR. 25	99.78	JUNE 2	107.05H	SEP. 30	105.32
DEC. 20	99.93						

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. 2, 1986	89.48	FEB. 26, 1987	80.19	APR. 29, 1987	84.17	AUG. 17, 1987	88.26

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 205 FT, SCREENED 200-205. MP TOP OF CASING, 0.87 FT BELOW LSD.
 LSD 12 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 52.90 BELOW LSD, APR. 29, 1987,
 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. 2, 1986	55.87	FEB. 26, 1987	53.07	APR. 29, 1987	52.90	AUG. 17, 1987	52.92

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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CALDWELL PARISH

320154092164602 LOCAL WELL NUMBER: CA-86A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 288 FT, SCREENED 278-288. MP TOP OF CASING, 2.83 FT ABOVE LSD.

LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 48.45 BELOW LSD, JAN. 13, 1976,

LOWEST WATER LEVEL 61.14 BELOW LSD, AUG. 12, 1987.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1986	58.92C	MAR. 6, 1987	52.29D	AUG. 12, 1987	61.14C		

320154092164601 LOCAL WELL NUMBER: CA-86B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 545 FT, SCREENED 535-545. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 160 FT ABOVE NGVD.

HIGHEST WATER LEVEL 77.30 BELOW LSD, MAR. 13, 1979, AUG. 6, 1979,

LOWEST WATER LEVEL 85.76 BELOW LSD, DEC. 10, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1986	80.70	MAR. 6, 1987	79.98	AUG. 12, 1987	82.18		

CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.

LSD 50 FT ABOVE NGVD.

HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975,

LOWEST WATER LEVEL 57.00 BELOW LSD, DEC. 29, 1980.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	19.90	FEB. 13, 1987	13.50	MAY 18, 1987	15.85	AUG. 19, 1987	19.66
NOV. 14	15.10	MAR. 9	6.70	JUNE 23	13.30	AUG. 21	20.00
DEC. 4	13.40	APR. 6	7.64	JULY 16	14.55	SEP. 9	21.00
JAN. 5, 1987	12.80	MAY 5	13.05				

CLAIBORNE PARISH

325752093082701 LOCAL WELL NUMBER: CL-9

OWNER: TOWN OF HAYNESVILLE. (SEC. 24, T. 23N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN., DEPTH 670 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN. COLLAR, 1.40 FT ABOVE LSD.

LSD 360 FT ABOVE NGVD.

HIGHEST WATER LEVEL 212.45 BELOW LSD, DEC. 20, 1961,

LOWEST WATER LEVEL 278.37 BELOW LSD, AUG. 28, 1980.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	264.97	MAR. 11, 1987	265.09	JUNE 1, 1987	265.79	SEP. 10, 1987	270.96

SEE FOOTNOTES AT END OF TABLE.

324707093025001 LOCAL WELL NUMBER: CL-58

OWNER: TOWN OF HOMER. (SEC. 25, T. 21N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN., DEPTH 482 FT, SCREENED 432-482. MP TOP OF 1-IN. PIPE, 2.80 FT ABOVE LSD.
 LSD 250 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 95.64 BELOW LSD, JAN. 8, 1958,
 LOWEST WATER LEVEL 143.52 BELOW LSD, SEP. 22, 1986.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1987	140.88	SEP. 10, 1987	142.59				

323943092573601 LOCAL WELL NUMBER: CL-136

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 19N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 835 FT, SCREENED 825-835. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 405 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 297.80 BELOW LSD, JUNE 26, 1974,
 LOWEST WATER LEVEL 315.12 BELOW LSD, SEP. 25, 1984.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	311.80	MAR. 5, 1987	312.26	SEP. 10, 1987	312.60		

325706092591001 LOCAL WELL NUMBER: CL-137

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 28, T. 23N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 639 FT, SCREENED 629-639. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 211.44 BELOW LSD, MAY 14, 1975,
 LOWEST WATER LEVEL 227.95 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1987	225.79	SEP. 10, 1987	227.95				

325437092503301 LOCAL WELL NUMBER: CL-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 22N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 625 FT, SCREENED 615-625. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 171.03 BELOW LSD, JUNE 23, 1980,
 LOWEST WATER LEVEL 184.68 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1978-83, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	184.18	MAR. 9, 1987	183.18	JUNE 11, 1987	183.97	SEP. 10, 1987	184.68
JAN. 7, 1987	183.34						

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 276.90 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	275.27	MAR. 9, 1987	274.68	SEP. 10, 1987	276.90		

GROUND-WATER LEVELS

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CLAIBORNE PARISH

324908092443501 LOCAL WELL NUMBER: CL-151

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 21N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 719 FT, SCREENED 709-719. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 180.24 BELOW LSD, MAY 20, 1980,
 LOWEST WATER LEVEL 191.65 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	190.63	MAR. 9, 1987	189.97	JUNE 10, 1987	190.22	SEP. 10, 1987	191.65

CONCORDIA PARISH

313604091481901 LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM. (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 4 IN., DEPTH 700 FT, SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
 LSD 55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970,
 LOWEST WATER LEVEL 55.43 BELOW LSD, SEP. 4, 1986.
 RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1987	30.06B	MAR. 5, 1987	29.10B	MAY 8, 1987	32.76B	AUG. 19, 1987	33.00B

DE SOTO PARISH

321311093380501 LOCAL WELL NUMBER: DS-375

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 14N., R. 12W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 94 FT, SCREENED 90-94. MP TOP OF CASING, 4.80 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.70 BELOW LSD, APR. 25, 1975, JUNE 2, 1981,
 LOWEST WATER LEVEL 44.02 BELOW LSD, DEC. 6, 1984.
 RECORDS AVAILABLE 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 17, 1987	43.36						

315545093372601 LOCAL WELL NUMBER: DS-444

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 241 FT, SCREENED 231-241. MP TOP OF CASING, AT LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 58.59 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 61.92 BELOW LSD, SEP. 9, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	61.00						

SEE FOOTNOTES AT END OF TABLE.

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	82.57						

315629093352601 LOCAL WELL NUMBER: DS-446

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 220 FT, SCREENED 210-220. MP TOP OF CASING, 3.85 FT ABOVE LSD.
 LSD 340 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 91.12 BELOW LSD, MAY 15, 1978,
 LOWEST WATER LEVEL 94.77 BELOW LSD, SEP. 10, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	93.10						

315459093302001 LOCAL WELL NUMBER: DS-448

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 28, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 230 FT, SCREENED 220-230. MP TOP OF CASING, 3.63 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 124.22 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 127.72 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	126.44						

315318093274201 LOCAL WELL NUMBER: DS-449

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 240 FT, SCREENED 230-240. MP TOP OF CASING, 3.25 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 88.64 BELOW LSD, APR. 16, 1979,
 LOWEST WATER LEVEL 92.44 BELOW LSD, DEC. 18, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	90.14						

315509093320901 LOCAL WELL NUMBER: DS-450

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 262 FT, SCREENED 252-262. MP TOP OF CASING, 4.10 FT ABOVE LSD.
 LSD 290 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 127.21 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 129.62 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	128.30						

GROUND-WATER LEVELS

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DE SOTO PARISH

320118093555601 LOCAL WELL NUMBER: DS-504

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 17, T. 12N., R. 15W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 260 FT, SCREENED 250-260. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 66.88 BELOW LSD, MAR. 27, 1984,
 LOWEST WATER LEVEL 70.70 BELOW LSD, APR. 20, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	68.60						

315558093270401 LOCAL WELL NUMBER: DS-508

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 11N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 89 FT, SCREENED 86-89. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 49.52 BELOW LSD, MAY 29, 1980,
 LOWEST WATER LEVEL 53.22 BELOW LSD, SEP. 9, 1986.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	50.96						

320118093555602 LOCAL WELL NUMBER: DS-510

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 17, T. 12N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 170 FT, SCREENED 167-170. MP TOP OF BUSHING, 4.30 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 44.30 BELOW LSD, MAY 22, 1985, MAR. 11, 1986,
 LOWEST WATER LEVEL 45.99 BELOW LSD, MAR. 10, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	45.76						

315113093302501 LOCAL WELL NUMBER: DS-511

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 350 FT, SCREENED 340-350. MP TOP OF BUSHING, AT LSD.
 LSD 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 140.05 BELOW LSD, JULY 22, 1981,
 LOWEST WATER LEVEL 143.03 BELOW LSD, SEP. 10, 1985.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	142.70						

315540093534001 LOCAL WELL NUMBER: DS-513

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 11N., R. 15W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 78 FT, SCREENED 76-78. MP TOP OF BUSHING, AT LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 20.54 BELOW LSD, APR. 1, 1985,
 LOWEST WATER LEVEL 23.14 BELOW LSD, NOV. 17, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	21.60						

LOUISIANA - EAST BATON ROUGE PARISH

DE SOTO PARISH

315736093561401 LOCAL WELL NUMBER: DS-515

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 11N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 147 FT, SCREENED 145-147. MP TOP OF BUSHING, AT LSD.
 LSD 200 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 26.98 BELOW LSD, APR. 20, 1983,
 LOWEST WATER LEVEL 32.45 BELOW LSD, SEP. 24, 1984.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 16, 1987	31.97						

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 15.16 BELOW LSD, AUG. 18, 1987,
 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
AUG. 18, 1987	15.16						

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER WORKS. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.
 LSD 59.05 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943,
 LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	203.40	FEB. 5, 1987	199.09	MAY 28, 1987	209.50	JULY 17, 1987	209.59
DEC. 9	205.55	MAR. 12	199.35	JUNE 23	209.09	AUG. 28	218.04
JAN. 6, 1987	204.92	APR. 3	203.54				

302657091101201 LOCAL WELL NUMBER: EB-112

OWNER: KEAN'S LAUNDRY. (SEC. 48, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,254 FT, SCREENED 2,173-2,254. MP TOP OF 1/2-IN. BUSHING, AT LSD.
 LSD 57 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 74.00 ABOVE LSD, JAN. 2, 1930,
 LOWEST WATER LEVEL 301.20 BELOW LSD, JULY 26, 1973.
 RECORDS AVAILABLE 1930, 1940, 1943, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	227.60	APR. 27, 1987	203.85	SEP. 4, 1987	223.92		

GROUND-WATER LEVELS

365

EAST BATON ROUGE PARISH

302604091095801 LOCAL WELL NUMBER: EB-123

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 710 FT, SCREENED 630-710. MP TOP OF RECORDER SHELTER FLOOR, 0.81 FT ABOVE LSD.
 LSD 51.13 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 50.70 BELOW LSD, APR. 1, 1935,
 LOWEST WATER LEVEL 143.70 BELOW LSD, SEP. 4, 1940.
 RECORDS AVAILABLE 1935, 1939-40, 1947-49, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	70.07	APR. 24, 1987	64.82	SEP. 3, 1987	69.36		

302617091103602 LOCAL WELL NUMBER: EB-127

OWNER: BROWN-EAGLE ICE CO. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN., DEPTH 330 FT, SCREENED 229-330. MP TOP OF RECORDER BASE, 1.73 FT BELOW LSD.
 LSD 49.56 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.66 BELOW LSD, APR. 27, 1979,
 LOWEST WATER LEVEL 53.13 BELOW LSD, OCT. 26, 1956.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	29.50	APR. 24, 1987	31.17	SEP. 4, 1987	45.86		

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 67.90 BELOW LSD, MAR. 15, 1946, MAR. 25, 1946,
 LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
 RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	77.09	APR. 24, 1987	70.48	SEP. 4, 1987	74.67		

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: BATON ROUGE DEPT. PUBLIC WORKS. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF 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. 31, 1986	107.78	APR. 27, 1987	103.09	SEP. 4, 1987	106.19		

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 68.06 BELOW LSD, APR. 6, 1987,
 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, 1986	77.84	JAN. 5, 1987	72.09	APR. 5, 1987	68.22	JULY 5, 1987	68.23
OCT. 10	77.46	JAN. 7	72.37H	APR. 6	68.06J	JULY 10	72.70
OCT. 15	80.54	JAN. 10	72.07	APR. 10	71.40	JULY 15	71.27
OCT. 20	83.07	JAN. 15	71.91	APR. 15	73.30	JULY 17	70.09H
OCT. 25	84.06	JAN. 20	72.90	APR. 20	79.01	JULY 20	70.30
OCT. 31	81.80	JAN. 25	75.05	APR. 25	78.00	JULY 25	68.91
NOV. 5	77.68	JAN. 31	73.83	APR. 30	77.38	JULY 31	68.44
NOV. 7	78.19H	FEB. 5	74.68H	MAY 5	79.26	AUG. 5	68.35
NOV. 10	82.00	FEB. 10	76.22	MAY 10	79.64	AUG. 10	69.54
NOV. 14	82.00H	FEB. 15	76.16	MAY 15	78.31	AUG. 15	69.01
NOV. 15	81.93	FEB. 20	73.89	MAY 20	74.90	AUG. 20	74.98
NOV. 20	81.75	FEB. 25	72.53	MAY 25	73.33	AUG. 25	80.47
NOV. 25	80.59	FEB. 28	71.84	MAY 28	72.77H	AUG. 28	77.08H
NOV. 30	80.52	MAR. 5	71.21	MAY 31	72.15	AUG. 31	77.22
DEC. 5	77.68	MAR. 10	69.78	JUNE 5	71.91	SEP. 5	78.04
DEC. 8	76.17H	MAR. 12	69.50H	JUNE 10	71.36	SEP. 10	78.65
DEC. 10	75.60	MAR. 15	69.10	JUNE 15	69.95	SEP. 15	79.66
DEC. 15	76.49	MAR. 20	69.85	JUNE 20	69.37	SEP. 20	78.31
DEC. 20	75.00	MAR. 25	69.75	JUNE 25	68.86	SEP. 25	77.74
DEC. 25	73.35	MAR. 31	68.71	JUNE 26	68.80H	SEP. 28	83.80J
DEC. 31	72.59	APR. 3	68.60H	JUNE 30	68.58	SEP. 30	81.40

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER WORKS. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496. MP TOP EDGE OF 1 1/2-IN. COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.
 LSD 56 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,
 LOWEST WATER LEVEL 147.27 BELOW LSD, MAY 14, 1979.
 RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1986	123.02	FEB. 5, 1987	128.27	MAY 28, 1987	130.46	JULY 23, 1987	133.60
DEC. 8	132.62	MAR. 12	132.66	JUNE 23	133.08	AUG. 28	137.54
JAN. 6, 1987	134.55	APR. 3	127.13				

303358091094401 LOCAL WELL NUMBER: EB-172

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 239 FT, SCREENED 218-239. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 66 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.80 BELOW LSD, APR. 23, 1985,
 LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1942, 1948-50, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	46.47	JULY 2, 1987	43.55				

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

367

EAST BATON ROUGE PARISH

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
NOV. 6, 1986	225.15	FEB. 5, 1987	221.07	MAY 28, 1987	233.33	JULY 23, 1987	229.85
DEC. 8, 1986	220.50	MAR. 12, 1987	221.45	JUNE 23, 1987	225.27	AUG. 28, 1987	238.88
JAN. 6, 1987	225.20	APR. 3, 1987	220.10				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	102.60	APR. 27, 1987	96.59	SEP. 4, 1987	97.48		

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, 1976-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1986	50.05						

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
NOV. 10, 1986	62.77	JULY 13, 1987	62.33				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	110.68	APR. 27, 1987	106.35	SEP. 4, 1987	109.92		

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
NOV. 7, 1986	244.68H	JAN. 31, 1987	241.84	APR. 20, 1987	234.81	JULY 15, 1987	250.36
NOV. 10	248.69	FEB. 5	239.86H	APR. 25	240.63	JULY 17	251.65H
NOV. 14	245.95H	FEB. 10	243.80	APR. 30	247.31	JULY 20	252.09
NOV. 15	247.04	FEB. 15	243.10	MAY 5	247.11	JULY 25	250.64
NOV. 20	246.29	FEB. 20	246.96	MAY 10	250.93	JULY 31	256.58
NOV. 25	242.96	FEB. 25	243.44	MAY 15	256.62	AUG. 5	258.10
NOV. 30	242.78	FEB. 28	243.54	MAY 20	255.74	AUG. 10	261.37
DEC. 5	243.64	MAR. 5	244.73	MAY 25	254.68	AUG. 15	259.53
DEC. 8	239.80H	MAR. 10	242.45	MAY 28	255.73H	AUG. 20	264.14
DEC. 10	241.78	MAR. 12	242.60H	MAY 31	253.69	AUG. 25	263.24
DEC. 15	241.15	MAR. 15	242.55	JUNE 5	251.65	AUG. 31	262.54
DEC. 20	241.05	MAR. 20	247.41	JUNE 10	248.34	SEP. 2	268.83H
DEC. 25	243.13	MAR. 25	247.98	JUNE 15	250.91	SEP. 5	267.47
DEC. 31	246.94	MAR. 31	244.61	JUNE 20	252.72	SEP. 10	265.71
JAN. 5, 1987	247.62	APR. 3	249.60H	JUNE 25	249.00	SEP. 15	267.22
JAN. 7	242.98H	APR. 5	244.81	JUNE 26	248.05H	SEP. 18	271.66J
JAN. 10	240.74	APR. 10	239.84	JUNE 30	247.00	SEP. 20	271.48
JAN. 15	237.06	APR. 15	237.96	JULY 5	247.67	SEP. 25	269.97
JAN. 20	237.35	APR. 18	234.52J	JULY 10	248.53	SEP. 30	266.80
JAN. 25	240.72						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	61.87	APR. 27, 1987	55.97	SEP. 4, 1987	58.42		

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, 1969-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1986	57.45						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

369

302654091101101 LOCAL WELL NUMBER: EB-500

OWNER: RED STICK LINEN SERVICE. (SEC. 46, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 IN., ESTIMATED DEPTH 710 FT, SCREENED 663-710. MP TOP OF 2-IN. NIPPLE IN STEEL LINER, 2.54 FT ABOVE LSD.
LSD 57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 68.29 BELOW LSD, APR. 27, 1987,
LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
RECORDS AVAILABLE 1948, 1962, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	74.43	APR. 27, 1987	68.29	AUG. 4, 1987	70.17		

303115091113701 LOCAL WELL NUMBER: EB-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 2,590 FT, SCREENED 2,510-2,590. MP TOP OF 1/2-IN. HOLE IN SANITARY SEAL, 1.48 FT ABOVE LSD.
LSD 67 FT ABOVE NGVD.
HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953,
LOWEST WATER LEVEL 59.39 BELOW LSD, OCT. 31, 1980.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	47.40	JULY 13, 1987	46.57				

302149091101401 LOCAL WELL NUMBER: EB-575

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 68, T. 8S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 10 TO 6 IN., DEPTH 2,500 FT, SCREENED 2,440-2,500. MP CENTER LINE OF DISCHARGE PIPE, 3.40 FT ABOVE LSD.
LSD 20 FT ABOVE NGVD.
HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955,
LOWEST WATER LEVEL 5.10 ABOVE LSD, APR. 15, 1983.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	+9.10	APR. 27, 1987	+6.90	SEP. 29, 1987	+6.70		

303904091093102 LOCAL WELL NUMBER: EB-578B

OWNER: CITY OF ZACHARY. (SEC. 81, T. 4S., R. 1W.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 TO 6 TO 4 1/2 IN., DEPTH 2,132 FT, SCREENED 2,052-2,132. MP TOP INSIDE EDGE OF VALVE, 1.77 FT ABOVE LSD.
LSD 103 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957,
LOWEST WATER LEVEL 98.83 BELOW LSD, JAN. 27, 1982.
RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	96.11						

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 1956-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1986	33.45						

SEE FOOTNOTES AT END OF TABLE.

304141090585301 LOCAL WELL NUMBER: EB-647

OWNER: EAST BATON ROUGE PARISH SCHOOL BOARD. (SEC. 14, T. 4S., R. 2E.) DRILLED UNUSED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 4 IN., DEPTH 1,950 FT, SCREENED 1,910-1,950. MP BOTTOM EDGE OF 3/4-IN. COLLAR WELDED ON SIDE OF CASING, 1.28 FT ABOVE LSD.
 LSD 107 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958,
 LOWEST WATER LEVEL 81.92 BELOW LSD, OCT. 8, 1981.
 RECORDS AVAILABLE 1958-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1986	76.32						

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 PLEISTOCENE AGE, DIAM 4 IN., DEPTH 1,345 FT, SCREENED 1,264-1,345. MP BREATHER-PIPE HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 68 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 137.31 BELOW LSD, JULY 22, 1981.
 RECORDS AVAILABLE 1958-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	122.57						

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN., DEPTH 1,640 FT, SCREENED 1,580-1,640. MP HOLE IN CENTER OF 6-IN. PLUG ATOP CASING, 1.73 FT ABOVE LSD.
 LSD 65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,
 LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.
 RECORDS AVAILABLE 1959-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	135.77						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	58.35	MAY 1, 1987	55.75	SEP. 3, 1987	46.98		

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
DEC. 9, 1986	0.30	MAY 1, 1987	+0.31	JULY 21, 1987	+0.85		

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

371

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1986	29.80	APR. 24, 1987	29.28	JULY 21, 1987	30.41		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1986	24.67	APR. 24, 1987	23.83	JULY 21, 1987	24.22		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	166.83	APR. 24, 1987	160.40	JULY 24, 1987	175.26		

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. 8, 1986	24.08	APR. 24, 1987	20.13	JULY 23, 1987	21.07		

302535091090403 LOCAL WELL NUMBER: EB-782B

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 2 IN., DEPTH 1,681 FT, SCREENED 1,676-1,681. MP TOP EDGE OF 5/8-IN. PIPE IN CAP, 2.00 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966,
LOWEST WATER LEVEL 119.00 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	116.27	APR. 24, 1987	110.24	JULY 23, 1987	113.60		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	56.57	APR. 27, 1987	53.20	AUG. 4, 1987	54.42		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	+14.10	MAY 1, 1987	+13.80	SEP. 4, 1987	+11.00	SEP. 28, 1987	+11.90

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 33.02 BELOW LSD, NOV. 14, 1966.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	30.28	APR. 27, 1987	18.67	JULY 30, 1987	26.42		

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 PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,721 FT, SCREENED 1,717-1,721. MP TOP OF 2-IN. LINER, 0.88 FT ABOVE LSD.
 LSD 37 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966,
 LOWEST WATER LEVEL 40.40 BELOW LSD, OCT. 8, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	40.40	APR. 27, 1987	38.34	JULY 30, 1987	38.74		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	172.14	APR. 24, 1987	168.59	JULY 23, 1987	177.56	AUG. 14, 1987	176.99

SEE FOOTNOTES AT END OF TABLE.

EAST BATON ROUGE PARISH

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 47.60 BELOW LSD, APR. 27, 1987,
 LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	53.46	FEB. 5, 1987	50.22	APR. 27, 1987	47.60	JUNE 23, 1987	51.37
DEC. 9	50.20	MAR. 12	48.05	MAY 28	50.11	JULY 20	48.87
JAN. 6, 1987	48.86						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1986	148.56	APR. 27, 1987	140.38				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 1, 1987	+19.20	SEP. 28, 1987	+21.20				

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
OCT. 27, 1986	96.38	APR. 27, 1987	90.40	JULY 20, 1987	96.20		

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
OCT. 27, 1986	91.76	APR. 27, 1987	73.52	JULY 20, 1987	84.70		

SEE FOOTNOTES AT END OF TABLE.

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 64.42 BELOW LSD, OCT. 27, 1986.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1986	64.42	APR. 27, 1987	64.08	JULY 20, 1987	61.89		

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. 29, 1986	143.37	MAY 1, 1987	140.56	AUG. 10, 1987	173.56		

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 132.01 BELOW LSD, SEP. 4, 1987.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1986	120.14	APR. 27, 1987	119.20	SEP. 4, 1987	132.01		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1986	172.52	APR. 27, 1987	162.94				

302501091101202 LOCAL WELL NUMBER: EB-819

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 322 FT, SCREENED 316-322. MP TOP OF CASING, 0.59 FT ABOVE LSD.
 LSD 25.68 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.60 ABOVE LSD, APR. 16, 1973, APR. 17, 1973,
 LOWEST WATER LEVEL 20.40 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	13.74	APR. 27, 1987	2.17				

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

375

302510091105001 LOCAL WELL NUMBER: EB-820

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 259 FT, SCREENED 253-259. MP TOP OF CASING, 0.71 FT ABOVE LSD.
LSD 22.24 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.10 ABOVE LSD, APR. 27, 1979,
LOWEST WATER LEVEL 17.74 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	10.39	APR. 27, 1987	+1.19				

302510091105003 LOCAL WELL NUMBER: EB-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 573 FT, SCREENED 567-573. MP TOP OF COLLAR WELDED ON CASING, 0.58 FT ABOVE LSD.
LSD 22.6 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.30 ABOVE LSD, APR. 27, 1979,
LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	12.77	APR. 27, 1987	4.84	AUG. 4, 1987	13.91		

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 3, 1982,
LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	49.71	APR. 24, 1987	41.20	SEP. 3, 1987	45.48		

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 32.57 BELOW LSD, MAY 6, 1975,
LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	44.21	APR. 24, 1987	38.65	SEP. 3, 1987	39.16		

303023091075601 LOCAL WELL NUMBER: EB-826

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 40, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 350 FT, SCREENED 344-350. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 56.77 FT ABOVE NGVD.
HIGHEST WATER LEVEL 55.40 BELOW LSD, MAY 6, 1975,
LOWEST WATER LEVEL 103.18 BELOW LSD, NOV. 1, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1987	56.60	MAY 1, 1987	57.19	SEP. 4, 1987	57.46		

SEE FOOTNOTES AT END OF TABLE.

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 1967-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	48.49						

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, 1968-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1986	126.99						

302919091020601 LOCAL WELL NUMBER: EB-866

OWNER: SOUTH CENTRAL BELL TEL. CO. (SEC. 52, T. 6S., R. 2E.) DRILLED COMMERCIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 400 FT, SCREENED 380-400. MP TOP OF CASING, 0.75 FT ABOVE LSD.
 LSD 49 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 20.00 BELOW LSD, NOV. 9, 1979,
 LOWEST WATER LEVEL 43.11 BELOW LSD, MAY 9, 1984.
 RECORDS AVAILABLE 1970, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	41.86	APR. 27, 1987	40.45				

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 61.92 BELOW LSD, JUNE 23, 1987,
 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. 31, 1986	69.87	FEB. 5, 1987	67.27	MAY 28, 1987	63.10	JULY 20, 1987	64.96
DEC. 9	66.74	MAR. 12	64.53	JUNE 23	61.92	AUG. 28	68.53
JAN. 6, 1987	65.56	APR. 3	62.71	JULY 17	64.87		

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 1972-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1986	17.96						

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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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 139.58 BELOW LSD, OCT. 2, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	136.35	APR. 24, 1987	129.99	JULY 24, 1987	133.62		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	124.89	APR. 27, 1987	118.12	AUG. 7, 1987	124.08		

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 49.36 BELOW LSD, MAY 3, 1982,
LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1986	54.80	MAY 1, 1987	52.07				

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
OCT. 31, 1986	48.31	MAY 1, 1987	46.10				

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
NOV. 7, 1986	36.87	FEB. 5, 1987	37.12	MAY 28, 1987	37.10	JULY 17, 1987	36.26
DEC. 8	36.80	MAR. 12	36.10	JUNE 25	36.86	AUG. 28	37.32
JAN. 7, 1987	36.46	APR. 3	36.65				

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 74.03 BELOW LSD, JUNE 25, 1987,
 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
NOV. 7, 1986	84.59	FEB. 5, 1987	85.69	MAY 28, 1987	74.90	JULY 17, 1987	78.82
DEC. 8	79.40	MAR. 12	76.14	JUNE 25	74.03	AUG. 28	83.63
JAN. 7, 1987	80.59	APR. 3	74.18				

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 PLIOCENE 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 126.68 BELOW LSD, DEC. 8, 1986,
 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
NOV. 7, 1986	136.28	FEB. 5, 1987	138.92	MAY 28, 1987	142.88	JULY 17, 1987	156.58
DEC. 8	126.68	MAR. 12	146.91	JUNE 25	150.91	AUG. 28	137.17
JAN. 7, 1987	135.85	APR. 3	146.41				

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 1977-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1986	46.88						

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 19.83 BELOW LSD, JAN. 26, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	13.89	APR. 27, 1987	2.26	SEP. 28, 1987	17.97		

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
OCT. 31, 1986	46.54	APR. 27, 1987	46.14				

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

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 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1986	196.20	APR. 27, 1987	175.10	JULY 31, 1987	187.72		

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 97 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
 RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	16.12	MAR. 5, 1987	15.38	JUNE 11, 1987	13.42	SEP. 15, 1987	18.09

325100091132401 LOCAL WELL NUMBER: EC-89

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 335 FT, SCREENED 330-335. MP TOP OF CASING, 0.57 FT ABOVE LSD.
 LSD 106.05 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.53 BELOW LSD, MAY 14, 1958,
 LOWEST WATER LEVEL 23.55 BELOW LSD, SEP. 3, 1980.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	18.38	MAR. 5, 1987	14.80	JUNE 11, 1987	19.73	SEP. 15, 1987	20.07

325100091132402 LOCAL WELL NUMBER: EC-90

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 0.75 FT ABOVE LSD.
 LSD 106.05 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 13.31 BELOW LSD, MAR. 22, 1973,
 LOWEST WATER LEVEL 24.50 BELOW LSD, SEP. 10, 1986.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	19.73	MAR. 5, 1987	17.87	JUNE 11, 1987	20.51	SEP. 15, 1987	23.10

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 PLIOCENE 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
JAN. 5, 1987	80.85						

305152091010201 LOCAL WELL NUMBER: EF-73B

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 1,966 FT, SCREENED 1,688-1,718, 1,773-1,795, 1,862-1,872, 1,880-1,900, 1,917-1,929, AND 1,948-1,966. MP TOP EDGE OF BREATHING HOLE IN PLATE ATOP 12-IN. CASING, 1.62 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959,
 LOWEST WATER LEVEL 151.27 BELOW LSD, JAN. 7, 1987.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	151.27B						

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 2S., R. 1E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 10 IN., REPORTED DEPTH 1,514 FT, SCREENED 1,469-1,514. MP LOWER EDGE OF 1-IN. ACCESS PIPE, 1.48 FT ABOVE LSD.
 LSD 228 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 201.14 BELOW LSD, MAR. 28, 1985.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	185.71	JULY 7, 1987	184.68				

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. PRIOR TO JAN. 5, 1987, MP TOP OF SANITARY SEAL, 1.29 FT ABOVE LSD.
 LSD 135 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.85 BELOW LSD, JULY 21, 1983,
 LOWEST WATER LEVEL 139.88 BELOW LSD, MAY 2, 1985.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	119.94	JULY 7, 1987	118.72				

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 2S., R. 1E.) BORED DOMESTIC WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 8 IN., DEPTH 96 FT, OPEN END CASING. MP TOP INSIDE EDGE OF 8-IN. CONCRETE CASING, 0.60 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER JAN. 7, 1987.
 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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	70.35						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
 LSD 65.66 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,
 LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.
 RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	85.95H	DEC. 20, 1986	82.09	MAR. 5, 1987	80.03	MAY 25, 1987	95.26
OCT. 5	86.00	DEC. 25	81.76	MAR. 10	79.75	JUNE 5	94.19
OCT. 10	85.67	DEC. 31	81.77	MAR. 15	82.38	JUNE 10	96.78
OCT. 15	85.52	JAN. 5, 1987	81.67	MAR. 20	83.49	JUNE 12	97.78J
OCT. 20	85.70	JAN. 10	81.38	MAR. 25	84.43	JUNE 15	96.13
OCT. 25	84.76	JAN. 15	81.19	MAR. 31	82.72	JUNE 20	93.78
OCT. 31	84.52	JAN. 20	80.89	APR. 5	84.36	AUG. 19	86.17H
NOV. 5	83.99	JAN. 25	80.79	APR. 10	88.18	AUG. 20	86.43
NOV. 10	83.91	JAN. 31	80.83	APR. 15	88.00	AUG. 25	86.55
NOV. 15	83.71	FEB. 5	80.63	APR. 20	89.91	AUG. 31	86.02
NOV. 20	83.18	FEB. 10	80.67	APR. 25	91.54	SEP. 5	85.97
NOV. 25	82.78	FEB. 12	80.55H	APR. 28	93.79H	SEP. 10	85.28
NOV. 30	82.74	FEB. 15	79.94	APR. 30	94.10	SEP. 15	84.94
DEC. 2	82.72H	FEB. 20	80.17	MAY 5	94.49	SEP. 20	84.90
DEC. 5	82.90	FEB. 25	79.93	MAY 10	92.84	SEP. 25	84.28
DEC. 10	82.41	FEB. 28	79.54J	MAY 15	91.78	SEP. 30	84.80
DEC. 15	82.36						

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. 1, 1986	68.67	JAN. 30, 1987	69.00	MAY 1, 1987	68.58	JULY 30, 1987	68.50
OCT. 31	68.39	MAR. 2	69.56	JUNE 1	68.42	AUG. 31	68.69
NOV. 28	69.10	APR. 1	69.03	JUNE 29	68.43	SEP. 29	68.78
DEC. 30	69.26						

313119092254001 LOCAL WELL NUMBER: G-262

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 6N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN., DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 3.30 FT ABOVE LSD.
 LSD 178.73 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.55 BELOW LSD, APR. 30, 1974,
 LOWEST WATER LEVEL 45.15 BELOW LSD, DEC. 23, 1977.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1986	41.08	FEB. 20, 1987	40.11	AUG. 12, 1987	38.62		

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - JACKSON PARISH

GRANT PARISH

314200092465101 LOCAL WELL NUMBER: G-305

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 8N., R. 4W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 40 FT, SCREENED 37-40. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.58 BELOW LSD, JUNE 3, 1983,
 LOWEST WATER LEVEL 20.85 BELOW LSD, MAR. 3, 1982.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	15.17	MAR. 11, 1987	15.39	AUG. 12, 1987	14.54		

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
DEC. 11, 1986	56.66	MAR. 6, 1987	56.09	AUG. 12, 1987	54.45		

IBERVILLE PARISH

302926091310401 LOCAL WELL NUMBER: IB-198

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 T 6 IN., DEPTH 2,246 FT, SCREENED 2,146-2,246. MP HOLE IN SANITARY SEAL, 1.10 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER SEP. 8, 1987.
 LSD 23 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.00 ABOVE LSD, MAR. 29, 1966,
 LOWEST WATER LEVEL 6.09 BELOW LSD, JAN. 8, 1987.
 RECORDS AVAILABLE 1966, 1970-71, 1975-76, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	6.09	SEP. 8, 1987	+2.10				

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
JAN. 5, 1987	150.43	MAR. 2, 1987	155.57	JUNE 8, 1987	153.44	SEP. 15, 1987	156.13

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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JACKSON PARISH

321128092440801 LOCAL WELL NUMBER: JA-127

OWNER: STONE CONTAINER CORP. (SEC. 13, T. 14N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 367 FT, SCREENED 357-367. MP TOP OF CASING, 1.80 FT ABOVE LSD.

LSD 242.15 FT ABOVE NGVD.

HIGHEST WATER LEVEL 152.05 BELOW LSD, JULY 13, 1966,

LOWEST WATER LEVEL 162.67 BELOW LSD, JULY 25, 1973.

RECORDS AVAILABLE 1966, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	157.90	MAR. 3, 1987	157.93	JUNE 8, 1987	158.68	SEP. 15, 1987	158.70

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 230.98 BELOW LSD, SEP. 28, 1987.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	230.66	MAR. 2, 1987	230.55	JUNE 8, 1987	230.55	SEP. 28, 1987	230.98

321338092345801 LOCAL WELL NUMBER: JA-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 14N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 578 FT, SCREENED 568-578. MP TOP OF BUSHING, 3.30 FT ABOVE LSD.

LSD 245 FT ABOVE NGVD.

HIGHEST WATER LEVEL 206.58 BELOW LSD, APR. 7, 1976,

LOWEST WATER LEVEL 215.60 BELOW LSD, SEP. 28, 1987.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1987	214.19	SEP. 28, 1987	215.60				

322433092412101 LOCAL WELL NUMBER: JA-149

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 478 FT, SCREENED 468-478. MP TOP OF CASING, 3.20 FT ABOVE LSD.

LSD 195 FT ABOVE NGVD.

HIGHEST WATER LEVEL 154.78 BELOW LSD, MAY 13, 1975,

LOWEST WATER LEVEL 176.63 BELOW LSD, SEP. 28, 1987.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	174.12	MAR. 2, 1987	174.15	JUNE 8, 1987	174.80	SEP. 28, 1987	176.63

JEFFERSON PARISH

300109090091001 LOCAL WELL NUMBER: JF-71

OWNER: GREATER NEW ORLEANS EXPRESSWAY COMMISSION. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 566 FT, SCREENED 551-566. MP HOLE IN SANITARY SEAL, 3.40 FT ABOVE LSD.

LSD 11 FT ABOVE NGVD.

HIGHEST WATER LEVEL 63.60 BELOW LSD, APR. 24, 1984,

LOWEST WATER LEVEL 87.43 BELOW LSD, OCT. 17, 1973.

RECORDS AVAILABLE 1963, 1965-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	69.45						

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.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.79 BELOW LSD, JULY 2, 1987,
 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. 8, 1986	35.85	JAN. 6, 1987	35.57	JULY 2, 1987	34.79		

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 1974-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	75.56						

295355090044201 LOCAL WELL NUMBER: JF-166

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 14S., R. 24E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 1,302 FT, SCREENED 1,292-1,302. MP TOP OF 2-IN. CASING, 0.35 FT ABOVE LSD.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 41.50 BELOW LSD, FEB. 9, 1984,
 LOWEST WATER LEVEL 44.81 BELOW LSD, JAN. 6, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1986	42.23	JAN. 7, 1987	42.63	JULY 2, 1987	42.68		

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
OCT. 14, 1986	65.79	JAN. 7, 1987	64.10	JAN. 23, 1987	63.60	JULY 2, 1987	64.24

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. 3, 1986	74.70	FEB. 26, 1987	53.59	APR. 29, 1987	68.68	AUG. 1, 1987	62.46

GROUND-WATER LEVELS

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JEFFERSON DAVIS PARISH

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 50.50 BELOW LSD, MAR. 18, 1987,
 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. 5, 1986	59.20	DEC. 31, 1986	52.80	MAR. 20, 1987	50.96	MAY 31, 1987	67.72
OCT. 10	58.85	JAN. 5, 1987	52.53	MAR. 25	52.39	JUNE 2	66.36H
OCT. 15	57.93	JAN. 10	52.32	MAR. 27	52.47H	JUNE 27	60.35H
OCT. 20	57.47	JAN. 15	52.08	MAR. 31	52.13	JUNE 30	59.51
OCT. 25	56.86	JAN. 20	51.75	APR. 5	52.20	AUG. 1	64.19H
OCT. 31	56.41	JAN. 25	51.56	APR. 10	55.26	AUG. 17	62.27H
NOV. 5	57.02	JAN. 31	51.39	APR. 15	66.70	AUG. 20	63.90
NOV. 10	55.86	FEB. 5	51.20	APR. 20	62.08	AUG. 25	60.73
NOV. 15	55.70	FEB. 10	51.12	APR. 25	64.83	AUG. 29	61.29H
NOV. 20	55.15	FEB. 15	50.83	APR. 29	74.08H	AUG. 31	60.84
NOV. 25	54.55	FEB. 20	51.35	MAY 2	76.24H	SEP. 5	61.73
NOV. 30	54.35	FEB. 25	50.90	MAY 3	77.09J	SEP. 10	61.49
DEC. 2	54.26H	FEB. 26	50.90H	MAY 5	71.73	SEP. 15	58.55
DEC. 5	54.29	FEB. 28	50.78	MAY 10	66.60	SEP. 20	57.17
DEC. 10	53.96	MAR. 5	50.68	MAY 15	67.01	SEP. 25	57.30
DEC. 15	53.71	MAR. 10	50.61	MAY 20	67.43	SEP. 29	56.40H
DEC. 20	53.39	MAR. 15	50.77	MAY 25	69.59	SEP. 30	56.23
DEC. 25	53.06	MAR. 18	50.50J				

LA SALLE PARISH

314153092075201 LOCAL WELL NUMBER: LA-157

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 8N., R. 3E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN., DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 211.9 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 53.33 BELOW LSD, JUNE 29, 1976,
 LOWEST WATER LEVEL 59.70 BELOW LSD, SEP. 15, 1982.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1986	58.56	MAR. 6, 1987	58.23	AUG. 11, 1987	57.50		

313610092052601 LOCAL WELL NUMBER: LA-215

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 2.50 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.59 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 58.95 BELOW LSD, SEP. 15, 1982.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	56.20	FEB. 19, 1987	53.84	AUG. 11, 1987	53.87		

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - LINCOLN PARISH

LA SALLE PARISH

313610092052602 LOCAL WELL NUMBER: LA-217

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 60 FT, SCREENED 57-60. MP TOP OF CASING, 2.20 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.23 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 49.33 BELOW LSD, FEB. 21, 1973.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	41.65	FEB. 19, 1987	40.64	AUG. 11, 1987	40.14		

313610092052603 LOCAL WELL NUMBER: LA-218

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 2.20 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 45.68 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 57.22 BELOW LSD, DEC. 22, 1981.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	56.25	FEB. 19, 1987	53.91	AUG. 11, 1987	53.92		

314500092171004 LOCAL WELL NUMBER: LA-252D

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 9N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,388 FT, SCREENED 1,368-1,388. MP TOP OF BUSHING, 4.70 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.96 BELOW LSD, JUNE 2, 1980,
 LOWEST WATER LEVEL 39.99 BELOW LSD, DEC. 6, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 29, 1987	37.75						

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 168.63 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	167.28	MAR. 9, 1987	166.20	SEP. 10, 1987	168.63		

323458092275101 LOCAL WELL NUMBER: L-68

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 3, T. 18N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 770 FT, SCREENED 760-770. MP TOP OF 2 X 3/4-IN. BUSHING, 5.14 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 185.04 BELOW LSD, MAR. 2, 1970,
 LOWEST WATER LEVEL 231.44 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	230.00	SEP. 10, 1987	231.44				

GROUND-WATER LEVELS

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LINCOLN PARISH

323013092482001 LOCAL WELL NUMBER: L-113

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 18N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN., DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 355 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 266.50 BELOW LSD, AUG. 11, 1969,
 LOWEST WATER LEVEL 306.92 BELOW LSD, SEP. 14, 1987.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	304.60	MAR. 4, 1987	303.83	SEP. 14, 1987	306.92		

323105092374802 LOCAL WELL NUMBER: L-123

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 18N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 126.30 BELOW LSD, SEP. 9, 1985,
 LOWEST WATER LEVEL 129.55 BELOW LSD, OCT. 7, 1970.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 28, 1987	126.32						

324018092482201 LOCAL WELL NUMBER: L-153

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 19N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 535 FT, SCREENED 525-535. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 212.99 BELOW LSD, JAN. 29, 1979,
 LOWEST WATER LEVEL 226.64 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	225.60	MAR. 5, 1987	225.09	JUNE 11, 1987	225.85	SEP. 10, 1987	226.64
JAN. 7, 1987	225.24						

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 PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,865 FT, SCREENED 1,825-1,865. MP CENTER LINE OF 3/4-IN. TEE, 1.20 FT ABOVE LSD.
 LSD 46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,
 LOWEST WATER LEVEL 41.20 ABOVE LSD, OCT. 18, 1982.
 RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1986	+51.00	APR. 8, 1987	+55.30				

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - MOREHOUSE PARISH

LIVINGSTON PARISH

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W.K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN., REPORTED DEPTH 1,300 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.
 LSD 48 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967,
 LOWEST WATER LEVEL 18.32 BELOW LSD, OCT. 21, 1986.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1986	18.32	APR. 16, 1987	17.74				

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN., DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.80 FT ABOVE LSD.
 LSD 117.44 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958,
 LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1986	159.37	JAN. 5, 1987	151.74	APR. 5, 1987	151.00	JUNE 25, 1987	161.01
OCT. 10	159.31	JAN. 10	149.98	APR. 10	145.30	JUNE 30	161.55
OCT. 15	160.69	JAN. 15	150.25	APR. 15	149.40	JULY 5	161.88
OCT. 20	162.77	JAN. 20	148.56	APR. 20	152.18	JULY 10	162.73
OCT. 21	164.38J	JAN. 25	151.61	APR. 22	152.17H	JULY 15	164.45
OCT. 25	159.51	JAN. 31	154.42	APR. 25	153.10	JULY 20	165.26
OCT. 30	155.24J	FEB. 5	154.61	APR. 30	152.74	JULY 25	165.42
OCT. 31	159.65	FEB. 10	153.27	MAY 5	151.07	JULY 28	165.05H
NOV. 2	159.88J	FEB. 15	150.20	MAY 10	153.96	JULY 31	165.53
NOV. 5	155.14	FEB. 20	152.37	MAY 15	154.49	AUG. 5	165.37
NOV. 10	157.67	FEB. 25	148.91	MAY 20	160.99	AUG. 10	165.64
NOV. 15	157.50	FEB. 28	150.68	MAY 25	160.89	AUG. 15	165.87
NOV. 19	153.77H	MAR. 5	148.51	MAY 31	158.19	AUG. 20	166.43
NOV. 20	156.58	MAR. 10	145.65	JUNE 5	160.05	AUG. 25	166.61
NOV. 25	153.49	MAR. 11	149.63H	JUNE 10	160.15	AUG. 31	165.84
NOV. 30	149.52	MAR. 15	149.31	JUNE 11	159.54H	SEP. 5	165.92
DEC. 25	149.74	MAR. 20	147.90	JUNE 15	160.60	SEP. 10	167.39
DEC. 30	154.79H	MAR. 25	149.10	JUNE 20	161.07	SEP. 15	161.68
DEC. 31	151.35	MAR. 31	144.70				

324704091543801 LOCAL WELL NUMBER: MO-15

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN., DEPTH 105 FT, SCREENED 67-105. MP TOP OF STEEL BASE PLATE, 1.00 FT ABOVE LSD.
 LSD 143.72 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 74.83 BELOW LSD, APR. 29, 1953,
 LOWEST WATER LEVEL 99.55 BELOW LSD, DEC. 17, 1974.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1987	83.40	SEP. 16, 1987	81.51				

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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MOREHOUSE PARISH

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D.W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.

LSD 73.51 FT ABOVE NGVD.
HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,
LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	10.71						

325925091513001 LOCAL WELL NUMBER: MO-283

OWNER: GEORGIA-PACIFIC CORP. (SEC. 9, T. 23N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 1/2 IN., DEPTH 135 FT, SCREENED 125-135. MP 1-IN. HOLE IN TOP OF WELL CAP, 3.90 FT ABOVE LSD.

LSD 163.26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 71.39 BELOW LSD, FEB. 23, 1961,
LOWEST WATER LEVEL 75.26 BELOW LSD, SEP. 30, 1986.
RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	74.88						

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 91.63 BELOW LSD, JULY 31, 1968,
LOWEST WATER LEVEL 103.30 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-81, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	93.07						

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
SEP. 15, 1987	10.75						

325810091384001 LOCAL WELL NUMBER: MO-344

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 258 FT, SCREENED 248-258. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 106.35 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.96 BELOW LSD, APR. 30, 1969,
LOWEST WATER LEVEL 38.74 BELOW LSD, SEP. 15, 1987.
RECORDS AVAILABLE 1968-70, 1972-82, 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	38.74						

325526091530501 LOCAL WELL NUMBER: MO-345

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 22N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 786 FT, SCREENED 776-786. MP TOP OF CASING, 0.30 FT ABOVE LSD.
 LSD 113.65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968,
 LOWEST WATER LEVEL 113.19 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	106.53						

325810091384002 LOCAL WELL NUMBER: MO-346

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 167 FT, SCREENED 157-167. MP TOP OF CASING, 3.60 FT ABOVE LSD.
 LSD 106.57 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.47 BELOW LSD, APR. 30, 1969,
 LOWEST WATER LEVEL 30.74 BELOW LSD, AUG. 22, 1972.
 RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	25.71						

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 833 FT, SCREENED 823-833. MP TOP OF CASING, 5.14 FT ABOVE LSD.
 LSD 142.27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 169.84 BELOW LSD, SEP. 12, 1985,
 LOWEST WATER LEVEL 193.69 BELOW LSD, SEP. 2, 1980.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1987	172.99						

325518091403001 LOCAL WELL NUMBER: MO-348

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 22N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 311 FT, SCREENED 291-311. MP TOP OF CASING, 4.20 FT ABOVE LSD.
 LSD 98.88 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 9.63 BELOW LSD, MAR. 26, 1969,
 LOWEST WATER LEVEL 23.52 BELOW LSD, APR. 17, 1985.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	22.04						

324352091531002 LOCAL WELL NUMBER: MO-349

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 217 FT, SCREENED 197-217. MP TOP OF BUSHING, 3.93 FT ABOVE LSD.
 LSD 142.46 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 67.45 BELOW LSD, JULY 10, 1969,
 LOWEST WATER LEVEL 71.09 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1987	69.88						

GROUND-WATER LEVELS

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MOREHOUSE PARISH

325707091574701 LOCAL WELL NUMBER: MO-350

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 28, T. 23N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 740 FT, SCREENED 730-740. MP TOP OF CASING, 2.43 FT ABOVE LSD.

LSD 112.08 FT ABOVE NGVD.

HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969,

LOWEST WATER LEVEL 108.90 BELOW LSD, AUG. 20, 1981.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	104.20						

324352091531003 LOCAL WELL NUMBER: MO-351

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 312 FT, SCREENED 292-312. MP TOP OF BUSHING, 3.71 FT ABOVE LSD.

LSD 142.23 FT ABOVE NGVD.

HIGHEST WATER LEVEL 67.18 BELOW LSD, SEP. 6, 1977,

LOWEST WATER LEVEL 74.27 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1987	71.27						

NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 102.59 FT ABOVE NGVD.

HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969,

LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1986	8.32	JAN. 12, 1987	4.90	APR. 14, 1987	5.19	JULY 1, 1987	8.24
NOV. 12	8.23	FEB. 6	5.33	MAY 19	7.34	AUG. 6	9.33
DEC. 8	6.98	MAR. 16	3.52	JUNE 9	7.44	SEP. 3	9.58

320116093044902 LOCAL WELL NUMBER: NA-479

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 12N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN., DEPTH 106 FT, SCREENED 103-106. MP TOP OF BUSHING, AT LSD.

LSD 210 FT ABOVE NGVD.

HIGHEST WATER LEVEL 55.17 BELOW LSD, MAR. 7, 1985,

LOWEST WATER LEVEL 59.49 BELOW LSD, SEP. 4, 1980.

RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	56.32	JAN. 5, 1987	56.08	APR. 24, 1987	55.39	JULY 17, 1987	55.93
NOV. 14	56.33	MAR. 3	55.57	JUNE 9	55.55	SEP. 15	56.05

LOUISIANA - ORLEANS PARISH

NATCHITOCHES PARISH

315221093242901 LOCAL WELL NUMBER: NA-491

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 10N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 493 FT, SCREENED 483-493. MP TOP OF BUSHING, AT LSD.
 LSD 250 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 97.04 BELOW LSD, MAY 13, 1985,
 LOWEST WATER LEVEL 99.91 BELOW LSD, AUG. 26, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	98.62	MAR. 23, 1987	98.17	MAY 11, 1987	98.57	AUG. 14, 1987	98.63
JAN. 28, 1987	98.73						

315221093242902 LOCAL WELL NUMBER: NA-495

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 10N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 168 FT, SCREENED 163-168. MP TOP OF BUSHING, AT LSD.
 LSD 250 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 99.35 BELOW LSD, DEC. 11, 1986,
 LOWEST WATER LEVEL 101.90 BELOW LSD, APR. 22, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	99.35	MAR. 23, 1987	99.57	MAY 11, 1987	100.27	AUG. 14, 1987	99.95
JAN. 28, 1987	100.24						

ORLEANS PARISH

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U.S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN. RECORDER BASE, 1.00 FT ABOVE LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942,
 LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.
 RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1986	91.82	JAN. 7, 1987	87.12	JAN. 23, 1987	85.95	JULY 2, 1987	90.19

300411089571401 LOCAL WELL NUMBER: OR-156

OWNER: ORLEANS LEVEE BOARD. (SEC. 25, T. 11S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF THE NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN., DEPTH 807 FT, SCREENED 747-807. MP HOLE IN SANITARY SEAL, 1.30 FT ABOVE LSD. MEASUREMENTS DISCONTINUED AFTER OCT. 9, 1986.
 LSD 2 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.32 BELOW LSD, APR. 15, 1985,
 LOWEST WATER LEVEL 36.70 BELOW LSD, SEP. 29, 1981.
 RECORDS AVAILABLE 1980-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1986	34.40						

GROUND-WATER LEVELS

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ORLEANS PARISH

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 37.23 BELOW LSD, JULY 29, 1981.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1986	35.63	JAN. 20, 1987	36.20	JULY 2, 1987	33.52		

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 63.90 ABOVE LSD, OCT. 27, 1983.
 RECORDS AVAILABLE 1965-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1986	+64.40						

300152090021801 LOCAL WELL NUMBER: OR-182

OWNER: ORLEANS LEVEE BOARD. (SEC. 37, T. 12S., R. 12E.) DRILLED RECREATIONAL ARTESIAN WELL IN SAND ("700-FT" SAND OF THE NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 690 FT, SCREENED 600-690. MP TOP OF BREATHER PIPE, 1.65 FT ABOVE LSD. REPLACES WELL OR-128.
 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
AUG. 2, 1968	154.00R	APR. 7, 1982	108.76	OCT. 21, 1986	110.09	JULY 2, 1987	115.92
SEP. 16, 1976	145.11						

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
OCT. 9, 1986	73.42	JAN. 7, 1987	69.02	JAN. 20, 1987	72.75	JULY 2, 1987	73.01

SEE FOOTNOTES AT END OF TABLE.

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. 1, 1986	275.81H	DEC. 20, 1986	264.34	APR. 25, 1987	268.79	JULY 20, 1987	271.88
OCT. 5	275.51	DEC. 25	270.90	APR. 30	269.84	JULY 25	275.67
OCT. 10	278.12	DEC. 31	271.52	MAY 5	271.74	JULY 29	276.38H
OCT. 15	277.25	JAN. 2, 1987	268.58H	MAY 15	270.75H	JULY 31	276.26
OCT. 20	274.82	JAN. 5	269.29	MAY 20	272.56	AUG. 5	276.44
OCT. 25	267.68	JAN. 10	270.98	MAY 25	271.51	AUG. 10	277.27
OCT. 31	270.81	JAN. 15	267.30	MAY 31	272.56	AUG. 15	276.66
NOV. 5	273.13	JAN. 20	267.58	JUNE 5	274.42	AUG. 20	276.88
NOV. 10	275.12	JAN. 25	271.46	JUNE 8	273.64H	AUG. 25	277.65
NOV. 14	273.65H	JAN. 31	273.33	JUNE 10	271.79	AUG. 31	274.37
NOV. 15	271.75	FEB. 5	274.05	JUNE 15	273.15	SEP. 5	276.85
NOV. 20	271.76	FEB. 10	271.68	JUNE 20	273.67	SEP. 10	277.28
NOV. 25	273.29	FEB. 15	267.35	JUNE 25	273.54	SEP. 15	272.26
NOV. 30	273.62	FEB. 20	265.30	JUNE 30	272.73	SEP. 20	271.71
DEC. 5	272.55	FEB. 25	268.93	JULY 5	273.33	SEP. 25	269.19
DEC. 10	270.20	FEB. 27	269.22H	JULY 10	272.83	SEP. 30	267.83
DEC. 15	252.24	APR. 21	269.47H	JULY 15	272.65		

322649092063101 LOCAL WELL NUMBER: OU-88

OWNER: FRED PETERS. (SEC. 24, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 TO 4 IN., DEPTH 401 FT, SCREENED 335-401. MP TOP OF CASING, 2.40 FT ABOVE LSD.
 LSD 75 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.83 BELOW LSD, JAN. 17, 1946,
 LOWEST WATER LEVEL 103.28 BELOW LSD, SEP. 10, 1976.
 RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1987	98.54	SEP. 16, 1987	100.65				

323136091592801 LOCAL WELL NUMBER: OU-151

OWNER: U.S. CORPS OF ENGINEERS. (SEC. 19, T. 18N., R. 5E.) DRILLED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 68 FT, SCREENED 58-68. MP TOP OF 3 X 2-IN. REDUCER, 4.80 FT ABOVE LSD.
 LSD 72.42 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 19, 1975,
 LOWEST WATER LEVEL 23.63 BELOW LSD, SEP. 22, 1954.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 31, 1986	14.73	MAR. 11, 1987	13.67	JUNE 9, 1987	12.76	SEP. 16, 1987	14.01

321653092015601 LOCAL WELL NUMBER: OU-241

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 70 FT, SCREENED 67-70. MP TOP OF CASING, 4.80 FT ABOVE LSD.
 LSD 61.52 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 12.78 BELOW LSD, JAN. 17, 1968,
 LOWEST WATER LEVEL 26.99 BELOW LSD, SEP. 29, 1978.
 RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1987	21.69						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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OUACHITA PARISH

321713092034401 LOCAL WELL NUMBER: OU-243

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 62 FT, SCREENED 59-62. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 61.83 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 8.54 BELOW LSD, SEP. 3, 1975,
 LOWEST WATER LEVEL 23.60 BELOW LSD, NOV. 27, 1963.
 RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1987	10.28						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.
 LSD 62.28 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,
 LOWEST WATER LEVEL 101.60 BELOW LSD, MAR. 23, 1982.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1987	98.62	SEP. 15, 1987	100.26				

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 50.38 BELOW LSD, SEP. 24, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1987	49.11	SEP. 16, 1987	50.01				

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, 4.04 FT ABOVE LSD.
 LSD 63.3 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,
 LOWEST WATER LEVEL 58.71 BELOW LSD, SEP. 16, 1987.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 2, 1987	57.77	MAR. 2, 1987	57.43	JUNE 9, 1987	58.28	SEP. 16, 1987	58.71

323030091554801 LOCAL WELL NUMBER: OU-404

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 35, T. 18N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 685 FT, SCREENED 678-685. MP TOP OF CASING, 4.77 FT ABOVE LSD.
 LSD 60.89 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 62.27 BELOW LSD, AUG. 7, 1968,
 LOWEST WATER LEVEL 81.47 BELOW LSD, SEP. 16, 1987.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 31, 1986	80.45	MAR. 26, 1987	79.99	JUNE 11, 1987	79.47	SEP. 16, 1987	81.47

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.
 LSD 66.66 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,
 LOWEST WATER LEVEL 120.54 BELOW LSD, SEP. 24, 1986.
 RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 2, 1987	120.02	MAR. 2, 1987	119.74	JUNE 9, 1987	119.67	SEP. 16, 1987	119.46

322531092053902 LOCAL WELL NUMBER: OU-406

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 681 FT, SCREENED 676-681. MP TOP OF CASING, 3.66 FT ABOVE LSD.
 LSD 66.75 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 115.06 BELOW LSD, JAN. 17, 1968,
 LOWEST WATER LEVEL 147.03 BELOW LSD, JUNE 9, 1987.
 RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 2, 1987	146.69	MAR. 2, 1987	146.51	JUNE 9, 1987	147.03	SEP. 16, 1987	146.64

323100092165801 LOCAL WELL NUMBER: OU-443

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 860 FT, SCREENED 850-860. MP TOP OF CASING, 3.22 FT ABOVE LSD.
 LSD 118 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 168.40 BELOW LSD, AUG. 20, 1969,
 LOWEST WATER LEVEL 208.63 BELOW LSD, SEP. 16, 1987.
 RECORDS AVAILABLE 1969-CURRENT YEAR. (RECORDS AVAILABLE FORMERLY PUBLISHED AS 1965-CURRENT YEAR.)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	204.95	SEP. 16, 1987	208.63				

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 210.53 BELOW LSD, SEP. 16, 1987.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	207.57	SEP. 16, 1987	210.53				

323100092165803 LOCAL WELL NUMBER: OU-445

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 454 FT, SCREENED 444-454. MP TOP OF CASING, 3.66 FT ABOVE LSD.
 LSD 118 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 191.97 BELOW LSD, APR. 13, 1970,
 LOWEST WATER LEVEL 233.86 BELOW LSD, SEP. 16, 1987.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	227.41	SEP. 16, 1987	233.86				

GROUND-WATER LEVELS

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OUACHITA PARISH

322437092243101 LOCAL WELL NUMBER: OU-488

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 6, T. 16N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 795 FT, SCREENED 785-795. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 280 FT ABOVE NGVD.

HIGHEST WATER LEVEL 300.39 BELOW LSD, APR. 18, 1979,

LOWEST WATER LEVEL 317.69 BELOW LSD, SEP. 29, 1987.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 2, 1987	316.24	MAR. 2, 1987	316.17	JUNE 8, 1987	316.35	SEP. 29, 1987	317.69

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
JAN. 8, 1987	13.94	SEP. 3, 1987	21.83				

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, (HIGHEST WATER LEVEL FORMERLY PUBLISHED

LOWEST WATER LEVEL 28.95 BELOW LSD, NOV. 4, 1963. AS 0.59 BELOW LSD, MAR. 29, 1963.)

RECORDS AVAILABLE 1955-68, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1987	24.00						

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,530 FT, SCREENED 1,490-1,530. MP TOP OF SANITARY SEAL, 2.30 FT ABOVE LSD.

LSD 33 FT ABOVE NGVD.

HIGHEST WATER LEVEL 33.79 BELOW LSD, JUNE 16, 1970,

LOWEST WATER LEVEL 60.70 BELOW LSD, OCT. 15, 1981.

RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	53.97	SEP. 3, 1987	58.55				

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER, SR. (SEC. 16, T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 2,294 FT, SCREENED 2,259-2,294. MP CENTER LINE OF TEE, 0.80 FT ABOVE LSD.
 LSD 26 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,
 LOWEST WATER LEVEL 5.40 ABOVE LSD, OCT. 15, 1981.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	+10.90	SEP. 3, 1987	+8.30				

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN., REPORTED DEPTH 1,637 FT, SCREENED 1,617-1,637. MP TOP OF 3/4-IN. PLUG IN TOP OF WELL, 1.56 FT ABOVE LSD.
 LSD 27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 35.44 BELOW LSD, OCT. 7, 1982.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	31.27	SEP. 3, 1987	32.64				

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 6.10 BELOW LSD, OCT. 28, 1983.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	4.76	SEP. 3, 1987	5.85				

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 8.09 BELOW LSD, SEP. 3, 1987.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	7.08	SEP. 3, 1987	8.09				

303835091202401 LOCAL WELL NUMBER: PC-146

OWNER: GLYNN WATER WORKS. (SEC. 56, T. 5S., R. 11E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,785 FT, SCREENED 1,765-1,785. MP BOTTOM EDGE OF 1 X 2-IN. REDUCER, 1.15 FT ABOVE LSD.
 LSD 33 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974,
 LOWEST WATER LEVEL 25.25 BELOW LSD, NOV. 5, 1980.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	16.79	SEP. 3, 1987	18.38				

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

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POINTE COUPEE PARISH

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 1,263 FT, SCREENED 1,174-1,228 AND 1,237-1,263. MP TOP OF BREATHING PIPE, 1.00 FT ABOVE LSD. PRIOR TO JAN. 8, 1987, MP 3/4-IN. PLUG IN SANITARY SEAL, 1.16 FT ABOVE LSD.

LSD 36 FT ABOVE NGVD.

HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,

LOWEST WATER LEVEL 61.49 BELOW LSD, OCT. 7, 1982.

RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	50.40	SEP. 3, 1987	52.27				

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 990 FT, SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.

LSD 25 FT ABOVE NGVD.

HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 8, 1975,

LOWEST WATER LEVEL 31.85 BELOW LSD, SEP. 3, 1987.

(HIGHEST WATER LEVEL FORMERLY PUBLISHED AS 19.20 BELOW LSD, AUG. 5, 1975.)

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	31.71	SEP. 3, 1987	31.85				

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: MRS. EMMA MOUNGER. (SEC. 50, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., ESTIMATED DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP 1/2-IN. HOLE IN SANITARY SEAL, 0.60 FT ABOVE LSD.

LSD 35 FT ABOVE NGVD.

HIGHEST WATER LEVEL 6.80 BELOW LSD, APR. 17, 1973,

LOWEST WATER LEVEL 23.55 BELOW LSD, NOV. 19, 1976.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 8, 1987	11.92	SEP. 3, 1987	18.90				

RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN., DEPTH 406 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN. NIPPLE, 1.30 FT ABOVE LSD.

LSD 78.53 FT ABOVE NGVD.

HIGHEST WATER LEVEL 69.73 BELOW LSD, APR. 29, 1960,

LOWEST WATER LEVEL 179.75 BELOW LSD, OCT. 21, 1963.

RECORDS AVAILABLE 1939, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	75.10	MAY 4, 1987	74.07	AUG. 18, 1987	73.90		

311850092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RAILROAD. (SEC. 40, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH APPROXIMATELY 1,100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 3.25 FT ABOVE LSD.

LSD 83.5 FT ABOVE NGVD.

HIGHEST WATER LEVEL 83.29 BELOW LSD, FEB. 26, 1957,

LOWEST WATER LEVEL 168.66 BELOW LSD, AUG. 10, 1943.

RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	85.57	MAY 4, 1987	84.47	AUG. 18, 1987	84.69		

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 100 FT, SCREENED 95-100. MP TOP OF CASING, 2.00 FT ABOVE LSD.
 LSD 170.4 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 49.04 BELOW LSD, SEP. 10, 1975,
 LOWEST WATER LEVEL 53.22 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	51.20						

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.72 FT ABOVE LSD.
 LSD 192.9 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
 LOWEST WATER LEVEL 77.81 BELOW LSD, FEB. 23, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	51.44	MAY 14, 1987	51.98	AUG. 17, 1987	52.98		

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.63 FT ABOVE LSD.
 LSD 193.09 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968,
 LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	49.80	MAY 14, 1987	47.18	AUG. 17, 1987	48.04		

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 220.55 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 51.92 BELOW LSD, SEP. 13, 1985,
 LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
 RECORDS AVAILABLE 1966-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	53.45						

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA. (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 104 FT, SCREENED 99-104. MP TOP OF 1/2-IN. NIPPLE, 0.80 FT ABOVE LSD.
 LSD 196.5 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968,
 LOWEST WATER LEVEL 61.27 BELOW LSD, DEC. 3, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	51.92	MAY 14, 1987	51.22	AUG. 17, 1987	50.56		

GROUND-WATER LEVELS

401

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 218.02 BELOW LSD, AUG. 17, 1987.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1986	217.84	AUG. 17, 1987	218.02				

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LOUISIANA OFFICE PUBLIC WORKS. (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.

LSD 60 FT ABOVE NGVD.

HIGHEST WATER LEVEL 28.28 BELOW LSD, APR. 15, 1970,

LOWEST WATER LEVEL 72.04 BELOW LSD, SEP. 14, 1982.

(HIGHEST WATER LEVEL FORMERLY PUBLISHED AS 28.23 BELOW LSD, APR. 15, 1970.)

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1986	66.47	JAN. 4, 1987	67.76	FEB. 19, 1987	70.69	MAY 8, 1987	70.80

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 165 FT ABOVE NGVD.

HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974,

LOWEST WATER LEVEL 45.67 BELOW LSD, JAN. 25, 1982.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	42.36	MAY 14, 1987	37.95	AUG. 17, 1987	39.94		

310404092313001 LOCAL WELL NUMBER: R-1016

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 180 FT ABOVE NGVD.

HIGHEST WATER LEVEL 31.94 BELOW LSD, JUNE 24, 1976,

LOWEST WATER LEVEL 37.52 BELOW LSD, SEP. 27, 1982.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	33.62						

310329092320801 LOCAL WELL NUMBER: R-1017

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 1N., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 185 FT ABOVE NGVD.

HIGHEST WATER LEVEL 40.88 BELOW LSD, MAY 19, 1976,

LOWEST WATER LEVEL 46.87 BELOW LSD, SEP. 27, 1982.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	43.41						

310125092324801 LOCAL WELL NUMBER: R-1019

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 35, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 150 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 44.77 BELOW LSD, MAY 9, 1974,
 LOWEST WATER LEVEL 51.40 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	45.82						

310008092340801 LOCAL WELL NUMBER: R-1020

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 1S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 24 FT, SCREENED 21-24. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 60 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.17 BELOW LSD, SEP. 22, 1983,
 LOWEST WATER LEVEL 7.62 BELOW LSD, SEP. 21, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	6.14						

310131092345901 LOCAL WELL NUMBER: R-1021

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 155 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974,
 LOWEST WATER LEVEL 51.32 BELOW LSD, NOV. 16, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	48.40	MAY 14, 1987	46.10	AUG. 17, 1987	46.60		

310303092355401 LOCAL WELL NUMBER: R-1022

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 170 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 46.06 BELOW LSD, NOV. 16, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	42.43	MAY 14, 1987	39.56	AUG. 17, 1987	40.35		

310403092370702 LOCAL WELL NUMBER: R-1024A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
 LSD 115 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.21 ABOVE LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 5.77 BELOW LSD, AUG. 26, 1981.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	4.05	MAY 14, 1987	3.59	AUG. 17, 1987	4.39		

GROUND-WATER LEVELS

403

RAPIDES PARISH

310403092370701 LOCAL WELL NUMBER: R-1024B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, AT LSD.
 LSD 115 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.10 ABOVE LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 4.88 BELOW LSD, AUG. 24, 1983.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	3.02	MAY 14, 1987	1.97	AUG. 17, 1987	3.34		

310421092351001 LOCAL WELL NUMBER: R-1026

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 9, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 47.37 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 57.34 BELOW LSD, SEP. 30, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	51.12						

310510092344601 LOCAL WELL NUMBER: R-1027

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 148 FT, SCREENED 145-148. MP TOP OF CASING, 5.00 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 70.13 BELOW LSD, OCT. 29, 1975,
 LOWEST WATER LEVEL 80.42 BELOW LSD, SEP. 30, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	73.41						

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 22 FT, SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977,
 LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	10.11	MAY 14, 1987	9.99	AUG. 17, 1987	10.98		

310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977,
 LOWEST WATER LEVEL 11.73 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1986	10.59	MAY 14, 1987	9.24	AUG. 17, 1987	10.41		

310552092410301 LOCAL WELL NUMBER: R-1030

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 1N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 134 FT, SCREENED 131-134. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 220 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 66.89 BELOW LSD, OCT. 29, 1975,
 LOWEST WATER LEVEL 74.09 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	69.39						

310927092374001 LOCAL WELL NUMBER: R-1033

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 12, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 175 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.77 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 43.54 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	36.73						

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 195 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 52.71 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	43.85						

310806092351801 LOCAL WELL NUMBER: R-1035

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 2N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 127 FT, SCREENED 124-127. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 73.63 BELOW LSD, NOV. 10, 1977,
 LOWEST WATER LEVEL 85.49 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	80.32						

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, 0.95 FT BELOW LSD.
 LSD 240 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,
 LOWEST WATER LEVEL 228.85 BELOW LSD, AUG. 17, 1987.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 13, 1987	222.15	FEB. 24, 1987	221.34	MAY 14, 1987	223.90	AUG. 17, 1987	228.85

GROUND-WATER LEVELS

405

RAPIDES PARISH

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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1987	52.45						

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 67.32 BELOW LSD, AUG. 17, 1987.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1986	65.78	MAR. 10, 1987	65.72	MAY 4, 1987	66.67	AUG. 17, 1987	67.32
JAN. 20, 1987	65.91						

310007092431602 LOCAL WELL NUMBER: R-1208

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 117 FT, SCREENED 92-117. MP TOP OF CASING, 1.70 FT ABOVE LSD.
 LSD 180 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 25.72 BELOW LSD, MAR. 21, 1985,
 LOWEST WATER LEVEL 32.41 BELOW LSD, NOV. 26, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1986	28.38	MAR. 10, 1987	28.10	MAY 4, 1987	26.90	AUG. 17, 1987	28.07
JAN. 20, 1987	28.71						

RED RIVER PARISH

321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 235 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 8, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1986	60.30	MAR. 6, 1987	58.86	JUNE 29, 1987	59.55	AUG. 31, 1987	60.34
JAN. 13, 1987	59.45	MAY 28	59.22	JULY 22	59.98	SEP. 28	60.66

LOUISIANA - RICHLAND PARISH

RED RIVER PARISH

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 42 FT, SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 235 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 21.43 BELOW LSD, MAR. 6, 1987,
 LOWEST WATER LEVEL 27.74 BELOW LSD, OCT. 8, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1986	26.09	MAR. 6, 1987	21.43	JUNE 29, 1987	24.43	AUG. 31, 1987	25.39
JAN. 13, 1987	23.53	MAY 28	23.59	JULY 22	24.72	SEP. 28	25.84

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 18.58 BELOW LSD, APR. 13, 1987,
 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
NOV. 21, 1986	19.33	MAR. 6, 1987	18.59	JUNE 2, 1987	18.98	SEP. 15, 1987	19.28
JAN. 3, 1987	19.02	APR. 13	18.58	JULY 21	19.21		

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. 14, 1986	11.66	JAN. 5, 1987	4.15	MAY 4, 1987	7.03	JULY 6, 1987	10.53
OCT. 29	11.16	FEB. 2	5.64	JUNE 1	8.61	AUG. 4	11.88
NOV. 3	11.54	MAR. 3	2.33	JUNE 5	8.79	AUG. 31	13.02
DEC. 2	6.20	APR. 6	4.84				

RICHLAND PARISH

322956091441001 LOCAL WELL NUMBER: RI-88

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN., DEPTH 239 FT, SCREENED 228-239. MP TOP OF 4-IN. COLLAR, 3.60 FT ABOVE LSD.
 LSD 85 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 17.00 BELOW LSD, MAY 21, 1975,
 LOWEST WATER LEVEL 20.68 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	19.60						

GROUND-WATER LEVELS

407

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
SEP. 15, 1987	20.24						

322706091453401 LOCAL WELL NUMBER: RI-91

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 80 FT ABOVE NGVD.

HIGHEST WATER LEVEL 9.19 BELOW LSD, MAY 3, 1984,

LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	10.96						

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
SEP. 15, 1987	10.96						

322804091375002 LOCAL WELL NUMBER: RI-93A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 10, T. 17N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 80 FT ABOVE NGVD.

HIGHEST WATER LEVEL 15.09 BELOW LSD, FEB. 20, 1976,

LOWEST WATER LEVEL 18.25 BELOW LSD, JULY 20, 1970.

RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	17.73						

323217091295002 LOCAL WELL NUMBER: RI-95A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 200 FT, SCREENED 190-200. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 90 FT ABOVE NGVD.

HIGHEST WATER LEVEL 23.58 BELOW LSD, MAY 3, 1984,

LOWEST WATER LEVEL 25.53 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	24.46						

323003091301301 LOCAL WELL NUMBER: RI-96

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 170 FT, SCREENED 160-170. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 90 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.18 BELOW LSD, MAY 3, 1984,
LOWEST WATER LEVEL 17.34 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	16.08						

322750091350501 LOCAL WELL NUMBER: RI-97

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 17N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 80 FT ABOVE NGVD.
HIGHEST WATER LEVEL 13.98 BELOW LSD, MAY 21, 1975,
LOWEST WATER LEVEL 17.48 BELOW LSD, AUG. 25, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	16.57						

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 95 FT ABOVE NGVD.
HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,
LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	33.27						

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
SEP. 15, 1987	32.15						

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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	32.35						

GROUND-WATER LEVELS

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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. (LOWEST WATER LEVEL FORMERLY PUBLISHED AS JULY 25, 1955 AND MAR. 1, 1982.)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	7.34	AUG. 18, 1987	10.96				

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BOARD. (SEC. 38, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 6 IN., DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 305 FT ABOVE NGVD.

HIGHEST WATER LEVEL 83.29 BELOW LSD, MAY 31, 1979,

LOWEST WATER LEVEL 89.80 BELOW LSD, JUNE 25, 1963.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	86.38	MAR. 23, 1987	85.10	AUG. 18, 1987	87.55		

312243093240501 LOCAL WELL NUMBER: SA-287

OWNER: A.J. HODGES. (SEC. 28, T. 5N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 6 IN., DEPTH 208 FT, SCREENED 175-208. MP 1/2-IN. HOLE IN SANITARY SEAL, 1.20 FT ABOVE LSD.

LSD 310 FT ABOVE NGVD.

HIGHEST WATER LEVEL 64.02 BELOW LSD, DEC. 17, 1958,

LOWEST WATER LEVEL 70.20 BELOW LSD, FEB. 12, 1973.

RECORDS AVAILABLE 1958, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	66.93						

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.

LSD 242 FT ABOVE NGVD.

HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973, MAY 19, 1975,

LOWEST WATER LEVEL 17.73 BELOW LSD, OCT. 29, 1980.

RECORDS AVAILABLE 1965-CURRENT YEAR.

(HIGHEST WATER LEVEL FORMERLY PUBLISHED AS 12.78 BELOW LSD, APR. 24, 1973.)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	15.05	MAR. 3, 1987	13.39	MAY 12, 1987	14.62	AUG. 17, 1987	16.58
JAN. 14, 1987	13.98						

311930093362001 LOCAL WELL NUMBER: SA-387

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 402 FT, SCREENED 397-402. MP TOP OF CASING, 1.45 FT ABOVE LSD.

LSD 210 FT ABOVE NGVD.

HIGHEST WATER LEVEL 39.59 BELOW LSD, JUNE 4, 1969,

LOWEST WATER LEVEL 67.86 BELOW LSD, OCT. 28, 1965.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	44.52	MAR. 3, 1987	44.55	AUG. 17, 1987	44.16		

311930093362002 LOCAL WELL NUMBER: SA-388

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 265 FT, SCREENED 260-265. MP TOP OF CASING, 1.20 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 40.28 BELOW LSD, JAN. 31, 1974,
 LOWEST WATER LEVEL 65.18 BELOW LSD, OCT. 28, 1965.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	42.67	MAR. 3, 1987	41.63	AUG. 17, 1987	43.07		

312314093352901 LOCAL WELL NUMBER: SA-389

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 27, T. 5N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 70.58 BELOW LSD, MAR. 27, 1969,
 LOWEST WATER LEVEL 77.58 BELOW LSD, AUG. 17, 1987.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	77.17	MAR. 4, 1987	76.83	AUG. 17, 1987	77.58		

312604093315801 LOCAL WELL NUMBER: SA-390

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 362 FT, SCREENED 357-362. MP TOP OF CASING, 0.70 FT ABOVE LSD.
 LSD 325 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 115.30 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 118.31 BELOW LSD, SEP. 4, 1986.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	116.86						

312329093295201 LOCAL WELL NUMBER: SA-391

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 28, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN., DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.65 FT ABOVE LSD.
 LSD 240 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.49 ABOVE LSD, JAN. 17, 1984,
 LOWEST WATER LEVEL 4.85 BELOW LSD, OCT. 6, 1971.
 RECORDS AVAILABLE 1965-74, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	0.18	AUG. 18, 1987	0.46				

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
DEC. 11, 1986	24.83	MAR. 4, 1987	24.61	AUG. 17, 1987	24.74		

GROUND-WATER LEVELS

411

SABINE PARISH

313748093451001 LOCAL WELL NUMBER: SA-394

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 8N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 278 FT, SCREENED 273-278. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 106.74 BELOW LSD, APR. 9, 1975,
 LOWEST WATER LEVEL 118.85 BELOW LSD, OCT. 4, 1967.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 18, 1987	108.29						

314620093460801 LOCAL WELL NUMBER: SA-395

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.03 ABOVE LSD, JUNE 5, 1968,
 LOWEST WATER LEVEL 9.58 BELOW LSD, AUG. 18, 1987.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	7.47	MAR. 23, 1987	7.03	MAY 11, 1987	9.30	AUG. 18, 1987	9.58
JAN. 28, 1987	7.76						

312748093393801 LOCAL WELL NUMBER: SA-462

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 6N., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.
 LSD 280 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 102.69 BELOW LSD, MAR. 12, 1980,
 LOWEST WATER LEVEL 104.05 BELOW LSD, SEP. 21, 1982.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	103.69	AUG. 17, 1987	103.69				

312725093325301 LOCAL WELL NUMBER: SA-465

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 39, T. 6N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 4.04 FT ABOVE LSD.
 LSD 265 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 39.55 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 47.46 BELOW LSD, SEP. 21, 1982.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	41.09	AUG. 17, 1987	42.92				

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
OCT. 2, 1986	25.76	DEC. 1, 1986	25.50	JULY 2, 1987	25.42		

LOUISIANA - ST. JAMES PARISH

ST. CHARLES PARISH

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN., DEPTH 404 FT, SCREENED 324-404. MP BOTTOM EDGE OF DOOR ON CULVERT, 1.35 FT ABOVE LSD.
 LSD 5.51 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 27.21 BELOW LSD, DEC. 15, 1979,
 LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1986	43.38H	NOV. 30, 1986	40.39	JAN. 31, 1987	37.58	AUG. 10, 1987	36.87
OCT. 5	43.19	DEC. 1	40.35H	FEB. 5	36.90	AUG. 15	37.24
OCT. 10	43.37	DEC. 5	40.08	FEB. 10	36.50	AUG. 20	37.64
OCT. 15	42.98	DEC. 10	39.49	FEB. 15	35.75	AUG. 25	37.72
OCT. 20	43.24	DEC. 15	39.35	FEB. 20	36.25	AUG. 31	38.12
OCT. 25	43.26	DEC. 20	38.08	JULY 2	35.75H	SEP. 5	38.37
OCT. 31	43.87	DEC. 25	37.24	JULY 5	35.70	SEP. 10	39.07
NOV. 1	43.95J	DEC. 31	37.33	JULY 10	35.85	SEP. 15	36.66
NOV. 5	43.57	JAN. 5, 1987	37.22	JULY 15	36.19	SEP. 20	35.56
NOV. 10	43.18	JAN. 10	37.43	JULY 20	36.76	SEP. 25	35.40
NOV. 15	42.46	JAN. 15	37.48	JULY 25	37.00	SEP. 27	34.75J
NOV. 20	41.84	JAN. 20	37.17	JULY 31	37.51	SEP. 30	35.29
NOV. 25	41.07	JAN. 25	37.16	AUG. 5	37.72		

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 1957-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1986	32.61						

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 84.31 BELOW LSD, OCT. 23, 1986.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1986	84.31	APR. 17, 1987	83.54				

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 1960-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1986	12.06						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

413

ST. JAMES PARISH

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 8.90 BELOW LSD, OCT. 9, 1986.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1986	8.90	JAN. 6, 1987	2.07	JULY 2, 1987	5.38		

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 6.80 BELOW LSD, FEB. 19, 1975,
 LOWEST WATER LEVEL 14.45 BELOW LSD, OCT. 10, 1986.
 RECORDS AVAILABLE 1975, 1985-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1986	14.45						

ST. JOHN THE BAPTIST PARISH

300232090390405 LOCAL WELL NUMBER: SJB-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN OLDER DELTAIC DEPOSITS OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 170 FT, SCREENED 158-170. MP TOP OF 4-IN. CAP, 3.22 FT ABOVE LSD.
 LSD 17.75 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 3.15 ABOVE LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 15.37 BELOW LSD, DEC. 11, 1963.
 RECORDS AVAILABLE 1962-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1986	4.70						

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 1962-86.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1986	13.72						

300310090281702 LOCAL WELL NUMBER: SJB-163B

OWNER: GUY REINE. (SEC. 30, T. 11S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN., DEPTH 635 FT, SCREENED 625-635. MP TOP OF 2-IN. NIPPLE, 4.56 FT ABOVE LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973,
 LOWEST WATER LEVEL 23.87 BELOW LSD, SEP. 30, 1981.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1986	21.29	JAN. 22, 1987	21.23	JULY 2, 1987	21.20		

LOUISIANA - ST. MARTIN PARISH

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
JAN. 12, 1987	56.57	APR. 28, 1987	56.42	AUG. 18, 1987	56.30		

303150092252101 LOCAL WELL NUMBER: SL-200

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 708 FT, SCREENED 703-708. MP TOP OF 2-IN. CASING, 0.40 FT ABOVE LSD.
 LSD 50.72 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 68.57 BELOW LSD, APR. 26, 1966,
 LOWEST WATER LEVEL 85.10 BELOW LSD, SEP. 23, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	80.40	FEB. 12, 1987	78.97	APR. 28, 1987	78.46	AUG. 1, 1987	79.77

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 8.54 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 11, 1987	4.33	APR. 28, 1987	3.03	AUG. 17, 1987	6.71		

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 8.82 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 11, 1987	4.64	APR. 28, 1987	2.35	AUG. 17, 1987	7.96		

301512091503002 LOCAL WELL NUMBER: SMN-135B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 15, T. 9S., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 658 FT, SCREENED 648-658. MP TOP OF 2-IN. CASING, 0.16 FT ABOVE LSD. PRIOR TO SEP. 2, 1987, MP TOP OF 2-IN. CASING, 3.00 FT ABOVE LSD.
 LSD 15 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 7.53 ABOVE LSD, MAY 7, 1975, (HIGHEST WATER LEVEL FORMERLY PUBLISHED AS 7.61 ABOVE LSD, JUNE 4, 1975.)
 LOWEST WATER LEVEL 15.36 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1975-79, 1981, 1985, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 2, 1987	10.93						

GROUND-WATER LEVELS

415

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 PLIOCENE AGE, DIAM 6 IN., DEPTH 1,525 FT, SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF 4-IN. TEE, 2.30 FT BELOW LSD.
 LSD 10 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940,
 LOWEST WATER LEVEL 23.50 ABOVE LSD, JAN. 7, 1970.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1986	+30.50	FEB. 12, 1987	+27.70	APR. 8, 1987	+28.20	AUG. 19, 1987	+28.60

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. (LSD FORMERLY PUBLISHED AS 4 FT ABOVE NGVD.)
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 54.50 ABOVE LSD, OCT. 9, 1985.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1986	+56.50	FEB. 12, 1987	+60.00	APR. 8, 1987	+59.70		

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. 9, 1986	7.24	APR. 8, 1987	2.66				

TANGIPAHOA PARISH

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,013 FT, SCREENED 1,951-2,013. MP TOP OF 3/4-IN. VALVE, 3.65 FT ABOVE LSD.
 LSD 130.86 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,
 LOWEST WATER LEVEL 27.60 BELOW LSD, OCT. 5, 1983.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1986	25.17	FEB. 10, 1987	24.70	APR. 14, 1987	24.47	AUG. 21, 1987	25.03

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - TENSAS PARISH

TANGIPAHOA PARISH

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. 23, 1986	17.51	APR. 14, 1987	16.45				

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. 23, 1986	24.23	APR. 17, 1987	19.10				

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. 23, 1986	7.22	APR. 17, 1987	5.36				

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E.R. McDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 110 FT, SCREENED 80-110. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 79.6 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 17.78 BELOW LSD, JUNE 11, 1987.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	16.39	MAR. 5, 1987	16.06	JUNE 11, 1987	17.78	SEP. 15, 1987	13.32

314827091234001 LOCAL WELL NUMBER: TS-9

OWNER: CHICAGO MILL AND LUMBER CO. (SEC. 37, T. 10N., R. 10E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 102 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM OF 3/4-IN. HOLE ON SIDE OF CASING, 0.30 FT ABOVE LSD.
 LSD 65 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 0.71 ABOVE LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 25.38 BELOW LSD, DEC. 18, 1956.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1987	10.11						

GROUND-WATER LEVELS

417

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
JAN. 7, 1987	178.65	MAR. 6, 1987	178.50	JUNE 10, 1987	178.67	SEP. 10, 1987	178.85

325028092113301 LOCAL WELL NUMBER: UN-78

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 6, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 727 FT, SCREENED 717-727. MP TOP OF CASING, 1.53 FT ABOVE LSD.
 LSD 175 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 178.85 BELOW LSD, MAR. 25, 1969,
 LOWEST WATER LEVEL 200.53 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	198.64	SEP. 10, 1987	200.53				

324955092084001 LOCAL WELL NUMBER: UN-79

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 3, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 749 FT, SCREENED 739-749. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
 LSD 118 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 134.31 BELOW LSD, MAY 13, 1969,
 LOWEST WATER LEVEL 149.48 BELOW LSD, MAR. 26, 1984.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	146.32	SEP. 10, 1987	147.42				

324917092242001 LOCAL WELL NUMBER: UN-80

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 710 FT, SCREENED 700-710. MP TOP OF CASING, 3.75 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 183.65 BELOW LSD, OCT. 8, 1968,
 LOWEST WATER LEVEL 225.60 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	222.27	MAR. 6, 1987	222.43	JUNE 10, 1987	223.74	SEP. 10, 1987	225.60

324917092242002 LOCAL WELL NUMBER: UN-81

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 495 FT, SCREENED 485-495. MP TOP OF CASING, 3.83 FT ABOVE LSD.
 LSD 190 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 182.27 BELOW LSD, MAR. 2, 1970,
 LOWEST WATER LEVEL 227.50 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	224.42	MAR. 6, 1987	224.91	JUNE 10, 1987	224.61	SEP. 10, 1987	227.50

325550092391601 LOCAL WELL NUMBER: UN-82

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 656 FT, SCREENED 646-656. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 122 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968,
 LOWEST WATER LEVEL 165.13 BELOW LSD, MAR. 10, 1986.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	164.31	MAR. 9, 1987	160.86	JUNE 10, 1987	160.11	SEP. 10, 1987	163.71
JAN. 7, 1987	165.03						

325550092391602 LOCAL WELL NUMBER: UN-83

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 326 FT, SCREENED 316-326. MP TOP OF CASING, 3.88 FT ABOVE LSD.
 LSD 122 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 111.29 BELOW LSD, OCT. 8, 1968,
 LOWEST WATER LEVEL 155.51 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1986	155.14	MAR. 9, 1987	154.32	JUNE 10, 1987	154.55	SEP. 10, 1987	155.51
JAN. 7, 1987	154.32						

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 210 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968,
 LOWEST WATER LEVEL 231.08 BELOW LSD, SEP. 11, 1987.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	229.38	SEP. 11, 1987	231.08				

325938092203901 LOCAL WELL NUMBER: UN-85

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 407 FT, SCREENED 397-407. MP TOP OF CASING, 2.90 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 179.06 BELOW LSD, OCT. 17, 1968,
 LOWEST WATER LEVEL 200.48 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	200.15	SEP. 10, 1987	200.48				

325929092114001 LOCAL WELL NUMBER: UN-86

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 1.58 FT ABOVE LSD.
 LSD 90 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 69.69 BELOW LSD, NOV. 12, 1968,
 LOWEST WATER LEVEL 92.87 BELOW LSD, SEP. 10, 1987.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	90.96	SEP. 10, 1987	92.87				

GROUND-WATER LEVELS

419

UNION PARISH

325929092114002 LOCAL WELL NUMBER: UN-87

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 283 FT, SCREENED 273-283. MP TOP OF CASING, 4.35 FT ABOVE LSD.

LSD 90 FT ABOVE NGVD.

HIGHEST WATER LEVEL 24.38 BELOW LSD, DEC. 16, 1968,

LOWEST WATER LEVEL 47.05 BELOW LSD, SEP. 10, 1987.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1987	45.89	SEP. 10, 1987	47.05				

323655092211701 LOCAL WELL NUMBER: UN-134

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 19N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 220 FT ABOVE NGVD.

HIGHEST WATER LEVEL 269.11 BELOW LSD, JUNE 14, 1979,

LOWEST WATER LEVEL 288.02 BELOW LSD, SEP. 10, 1987.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1986	286.34	MAR. 6, 1987	285.85	JUNE 10, 1987	286.38	SEP. 10, 1987	288.02
JAN. 8, 1987	285.94	APR. 22	285.71	JULY 27	287.04		

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
DEC. 9, 1986	182.74	FEB. 24, 1987	186.12	APR. 29, 1987	188.73	JULY 30, 1987	185.67
JAN. 13, 1987	184.03						

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 121 FT ABOVE NGVD.

HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975,

LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	12.61	MAR. 3, 1987	12.51	MAY 12, 1987	13.26	AUG. 17, 1987	13.23
JAN. 14, 1987	12.37						

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.
 LSD 120 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 39.00 ABOVE LSD, OCT. 5, 1966, (HIGHEST WATER LEVEL FORMERLY PUBLISHED
 LOWEST WATER LEVEL 21.30 ABOVE LSD, MAY 12, 1987. AS 31.40 ABOVE LSD, MAY 25, 1976.)
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	+24.90	MAR. 3, 1987	+26.20	MAY 12, 1987	+21.30	AUG. 17, 1987	+24.50
JAN. 14, 1987	+25.90						

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.
 LSD 160 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975,
 LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1986	38.95	MAR. 3, 1987	36.09	MAY 12, 1987	38.39	AUG. 17, 1987	39.63
JAN. 14, 1987	37.97						

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, (HIGHEST WATER LEVEL FORMERLY PUBLISHED
 LOWEST WATER LEVEL 171.96 BELOW LSD, AUG. 17, 1987. AS 164.66 BELOW LSD, JAN. 31, 1980.)
 RECORDS AVAILABLE 1967-76, 1979-CURRENT YEAR. (RECORDS AVAILABLE FORMERLY PUBLISHED AS 1968-75.)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1986	171.10	FEB. 24, 1987	170.93	MAY 12, 1987	171.57	AUG. 17, 1987	171.96
JAN. 16, 1987	171.36						

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 FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP TOP OF BUSHING, 2.60 FT ABOVE LSD.
 LSD 305 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,
 LOWEST WATER LEVEL 137.96 BELOW LSD, MAY 12, 1987.
 RECORDS AVAILABLE 1967-CURRENT YEAR. (RECORDS AVAILABLE FORMERLY PUBLISHED AS 1966-CURRENT YEAR.)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1986	137.57	FEB. 24, 1987	135.39	MAY 12, 1987	137.96	AUG. 17, 1987	137.39
JAN. 16, 1987	136.23						

SEE FOOTNOTES AT END OF TABLE.

GROUND-WATER LEVELS

421

VERNON PARISH

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 FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP TOP OF BUSHING, 2.00 FT ABOVE LSD.
 LSD 290 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968,
 LOWEST WATER LEVEL 118.28 BELOW LSD, SEP. 5, 1986.
 RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 12, 1986	116.70	FEB. 24, 1987	116.59	MAY 12, 1987	117.52	AUG. 17, 1987	117.67
JAN. 16, 1987	116.90						

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 330 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 179.20 BELOW LSD, MAR. 12, 1986,
 LOWEST WATER LEVEL 240.58 BELOW LSD, JULY 10, 1985.
 RECORDS AVAILABLE 1985-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 31, 1986	180.75	APR. 29, 1987	181.05	JULY 30, 1987	182.55		

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: CROWN ZELLERBACH. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN., DEPTH 156 FT, SCREENED 90-156. MP TOP EDGE OF RECORDER SHELTER SUBFLOOR, 1.30 FT ABOVE LSD.
 LSD 95 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961,
 LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1986	10.49	APR. 6, 1987	6.85				

304613089513201 LOCAL WELL NUMBER: WA-15

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 769 FT, SCREENED 688-769. MP TOP OF PLUG IN 2-IN. TEE AT END OF 3-IN. DISCHARGE LINE, 1.50 FT ABOVE LSD.
 LSD 98 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 29.80 ABOVE LSD, APR. 18, 1950,
 LOWEST WATER LEVEL 5.46 ABOVE LSD, JULY 30, 1957.
 RECORDS AVAILABLE 1942, 1950-63, 1965-68, 1970-83, 1986.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1986	+18.60						

SEE FOOTNOTES AT END OF TABLE.

LOUISIANA - WEBSTER PARISH

WASHINGTON PARISH

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. 23, 1986	18.36	APR. 17, 1987	17.15				

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 89.10 BELOW LSD, JAN. 22, 1982.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1986	83.17	FEB. 12, 1987	70.80	APR. 6, 1987	68.85	AUG. 17, 1987	84.91

WEBSTER PARISH

325752093271801 LOCAL WELL NUMBER: WB-27

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 23N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 18 TO 12 IN., DEPTH 311 FT, SCREENED 231-311. MP TOP OF CASING, 0.22 FT ABOVE LSD.
 LSD 245 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 52.00 BELOW LSD, OCT. 7, 1937,
 LOWEST WATER LEVEL 169.20 BELOW LSD, OCT. 18, 1947.
 RECORDS AVAILABLE 1937, 1947-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 6, 1987	53.37	APR. 13, 1987	52.67	JULY 15, 1987	54.23	SEP. 14, 1987	57.98
MAR. 9	52.56	JUNE 1	53.44				

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 89 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN. AIR LINE, 3.00 FT ABOVE LSD.
 LSD 218 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 18.99 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 36.18 BELOW LSD, SEP. 11, 1967.
 RECORDS AVAILABLE 1948-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1987	29.28	SEP. 14, 1987	31.97				

323553093141101 LOCAL WELL NUMBER: WB-285

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 31, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 TO 2 IN., DEPTH 608 FT, SCREENED 598-608. MP HOLE IN CASING CAP, 3.85 FT ABOVE LSD.
 LSD 340 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 151.67 BELOW LSD, APR. 14, 1970,
 LOWEST WATER LEVEL 190.99 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 12, 1987	177.84	SEP. 14, 1987	184.40				

GROUND-WATER LEVELS

423

WEBSTER PARISH

325200093151701 LOCAL WELL NUMBER: WB-326

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 22N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 470 FT, SCREENED 460-470. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 260 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976,
 LOWEST WATER LEVEL 113.99 BELOW LSD, SEP. 18, 1986, JUNE 1, 1987.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	113.10	MAR. 11, 1987	111.96	JUNE 1, 1987	113.99	SEP. 10, 1987	112.56

330040093190001 LOCAL WELL NUMBER: WB-338

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 23N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 425 FT, SCREENED 415-425. MP TOP OF CASING, 3.70 FT ABOVE LSD.
 LSD 230 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 90.38 BELOW LSD, MAR. 15, 1977,
 LOWEST WATER LEVEL 100.06 BELOW LSD, DEC. 6, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1987	92.62	MAR. 11, 1987	92.37	JUNE 1, 1987	92.59	SEP. 10, 1987	93.97

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
JAN. 14, 1987	43.56	MAR. 11, 1987	43.37	JUNE 1, 1987	43.46	SEP. 10, 1987	44.15

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
NOV. 7, 1986	79.54	FEB. 5, 1987	84.54	MAY 28, 1987	80.15	JULY 23, 1987	86.64
DEC. 9	77.78	MAR. 12	80.49	JUNE 23	81.90	AUG. 28	86.97
JAN. 6, 1987	78.91	APR. 3	81.46				

302610091121101 LOCAL WELL NUMBER: WBR-36

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN., REPORTED DEPTH 1,360 FT, SCREENED 1,245-1,290 AND 1,305-1,360. MP TOP OF 3/4-IN. BREATHING PIPE IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
 LSD 29 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 33.90 BELOW LSD, FEB. 3, 1955,
 LOWEST WATER LEVEL 106.75 BELOW LSD, OCT. 1, 1969.
 RECORDS AVAILABLE 1955, 1962, 1967, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	74.19						

302613091121501 LOCAL WELL NUMBER: WBR-37

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN., DEPTH 1,356 FT, SCREENED 1,235-1,288, 1,318-1,335 AND 1,340-1,356. MP 1-IN. PLUG ATOP CASING, 0.50 FT ABOVE LSD.
 LSD 27 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 31.93 BELOW LSD, FEB. 3, 1955,
 LOWEST WATER LEVEL 112.25 BELOW LSD, OCT. 18, 1974.
 RECORDS AVAILABLE 1955, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 7, 1987	77.54						

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
JAN. 6, 1987	58.80	JULY 2, 1987	58.37				

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
NOV. 12, 1986	100.54	JULY 1, 1987	94.70	JULY 29, 1987	93.30		

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
NOV. 12, 1986	115.43	JULY 1, 1987	121.13	JULY 29, 1987	132.42		

GROUND-WATER LEVELS

425

WEST BATON ROUGE PARISH

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 59.16 BELOW LSD, NOV. 12, 1986,
 LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1986	59.16	AUG. 5, 1987	63.28				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1986	46.22	JULY 29, 1987	47.87				

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
NOV. 12, 1986	127.59	JULY 29, 1987	129.44				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1986	193.72	AUG. 5, 1987	186.97	AUG. 14, 1987	187.68		

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 20.40 BELOW LSD, JAN. 26, 1981.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1986	3.09	JULY 1, 1987	12.78				

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
JAN. 6, 1987	31.66	JULY 2, 1987	31.63	AUG. 11, 1987	32.51		

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 38.90 BELOW LSD, JAN. 6, 1987,
 LOWEST WATER LEVEL 53.42 BELOW LSD, JAN. 18, 1979. (LOWEST WATER LEVEL FORMERLY PUBLISHED AS 53.60 BELOW LSD, SEP. 8, 1978. CORRECT WATER LEVEL FOR SEP. 8, 1978 IS 52.60.)
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 6, 1987	38.90	AUG. 5, 1987	42.07				

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
NOV. 12, 1986	74.68	JULY 1, 1987	64.42				

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 32.01 BELOW LSD, JULY 1, 1987,
 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
NOV. 12, 1986	36.58	JULY 1, 1987	32.01				

GROUND-WATER LEVELS

427

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN., DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.
 LSD 106.35 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,
 LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.
 RECORDS AVAILABLE 1955-82, 1984-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1987	30.90						

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. X 1 1/2-IN. BUSHING, 0.69 FT ABOVE LSD.
 LSD 60 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,
 LOWEST WATER LEVEL 9.98 BELOW LSD, OCT. 7, 1981.
 RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	7.39						

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 7.28 BELOW LSD, OCT. 3, 1984.
 RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	5.63						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	14.51						

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. PRIOR TO JAN. 5, 1987, MP TOP EDGE OF UNION, 0.96 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,
 LOWEST WATER LEVEL 133.95 BELOW LSD, JAN. 27, 1982.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	124.55	JULY 7, 1987	125.39				

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFIELD. (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN., DEPTH APPROXIMATELY 120 FT, SCREENED 100-120. MP TOP EDGE OF SHELTER FLOOR, 2.20 FT ABOVE LSD.
 LSD 135 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 14.93 BELOW LSD, MAY 7, 1961,
 LOWEST WATER LEVEL 30.32 BELOW LSD, DEC. 1, 1949.
 RECORDS AVAILABLE 1949, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1986	17.26	MAR. 3, 1987	16.15	JUNE 9, 1987	16.47	SEP. 22, 1987	16.87
JAN. 5, 1987	16.53						

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFIELD. (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
NOV. 14, 1986	65.19	MAR. 3, 1987	64.14	JUNE 9, 1987	65.06	SEP. 22, 1987	66.02
JAN. 5, 1987	64.60	APR. 21	64.24	JULY 29	65.98		

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LOUISIANA OFFICE PUBLIC WORKS. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 140 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 28.50 BELOW LSD, MAR. 5, 1986,
 LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1987	29.35	SEP. 22, 1987	31.12				

320619092341601 LOCAL WELL NUMBER: W-156

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 16, T. 13N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 829 FT, SCREENED 819-829. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 257 FT ABOVE NGVD.
 HIGHEST WATER LEVEL 196.19 BELOW LSD, MAR. 5, 1976, (HIGHEST WATER LEVEL FORMERLY PUBLISHED AS 196.18 BELOW LSD, MAR. 25, 1976.)
 LOWEST WATER LEVEL 204.06 BELOW LSD, JUNE 8, 1984.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1987	201.07	MAR. 3, 1987	200.47	JUNE 9, 1987	200.74	SEP. 22, 1987	200.99

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
MAR. 3, 1987	84.84	SEP. 22, 1987	85.42				

GROUND-WATER LEVELS

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WINN PARISH

315338092400001 LOCAL WELL NUMBER: W-177

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 11N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 695 FT, SCREENED 685-695. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 185 FT ABOVE NGVD.

HIGHEST WATER LEVEL 53.38 BELOW LSD, APR. 21, 1987,

LOWEST WATER LEVEL 62.48 BELOW LSD, FEB. 21, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1986	54.85	MAR. 3, 1987	53.62	JUNE 9, 1987	54.02	SEP. 22, 1987	53.99
JAN. 5, 1987	54.08	APR. 21	53.38	JULY 29	54.13		

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 195 FT ABOVE NGVD.

HIGHEST WATER LEVEL 102.37 BELOW LSD, MAR. 3, 1987,

LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1987	102.37	SEP. 22, 1987	103.03				

+ Above land-surface datum.

A Well being pumped.

B Well pumped recently.

C Nearby well or wells being pumped.

D Nearby well or wells pumped recently.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.

R Measurement reported.

QUALITY OF GROUND WATER

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1986 TO SEPTEMBER 1987

[Additional information for wells may be found in the minor elements, pesticide analyses, or organic chemical analyses tables. <, Actual value is known to be less than the value shown]

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT ^{1/}	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM)	SPE-CIFIC CON-DUCT-ANCE, LAB (US/CM)	PH, FIELD (STAND-ARD UNITS)	PH, LAB (STAND-ARD UNITS)	WATER TEMPERATURE (DEG C)		
	T.	R.	SEC.											
EAST BATON ROUGE PARISH														
EB- 659	5S	1W	51	303408091113201	12115BR	1295	04-01-87	280	266	7.60	8.10	24.0		
EB-1027	5S	1W	51	303421091123003	12224BR	1926	04-01-87	288	294	8.50	8.60	30.5		
LIVINGSTON PARISH														
LI- 185	7S	3E	38	302724090565801	12224BR	2611	12-19-86	283	258	8.50	8.40	34.0		
ST. HELENA PARISH														
SH- 55	3S	4E	50	304530090500201	112UPTC	180	12-11-86	39	36	4.70	6.40	20.0		
TANGIPAHOA PARISH														
TA- 286	1S	7E	29	305604090312001	120KNTD	640	12-18-86	43	46	6.70	6.50	21.5		
TA- 455	3S	7E	20	304600090312901	122AMIT	1874	12-18-86	315	327	8.50	8.90	26.0		
TA- 511	7S	7E	49	302821090300401	12101FP	280	08-04-87	263	267	7.90	7.92	23.0		
WELL NO.	LOCATION OF			DATE SAMPLE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOL VED (MG/L AS CA)	MAGNE-SIUM, DIS-SOL VED (MG/L AS MG)	SODIUM, DIS-SOL VED (MG/L AS NA)	POTAS-SIUM, DIS-SOL VED (MG/L AS K)	ALKA-LINITY, FIELD (MG/L AS CACO3)	ALKA-LINITY, LAB (MG/L AS CACO3)	CARBON DIOXIDE, DIS-SOL VED (MG/L AS CO2)
	T.	R.	SEC.											
EAST BATON ROUGE PARISH--CONTINUED														
EB- 659	5S	1W	51	04-01-87	20	19	0	5.2	1.4	52	1.3	131	128	6.4
EB-1027	5S	1W	51	04-01-87	5	6	0	2.3	.1	63	.5	136	136	.8
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	0	6	0	2.4	.1	58	1.4	136	127	.8
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	0	3	0	.9	.3	5.0	1.0	8	8	309
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	0	9	0	2.0	1.0	4.3	1.8	14	17	5.4
TA- 455	3S	7E	20	12-18-86	10	1	0	.3	<.1	75	.4	154	156	.9
TA- 511	7S	7E	49	08-04-87	0	9	0	2.7	.5	61	1.1	119	126	2.9

^{1/} See explanation of geologic unit (aquifer) at end of table.

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1986 TO SEPTEMBER 1987

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WELL NO.	T.	R.	SEC.	DATE OF SAMPLE	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)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
EAST BATON ROUGE PARISH--CONTINUED													
EB- 659	5S	1W	51	04-01-87	0.4	4.5	0.2	--	205	140	--	1800	280
EB-1027	5S	1W	51	04-01-87	7.6	3.5	.1	--	195	160	--	<8	24
LIVINGSTON PARISH--CONTINUED													
LI- 185	7S	3E	38	12-19-86	6.8	3.1	.2	--	201	--	<.02	<8	<20
ST. HELENA PARISH--CONTINUED													
SH- 55	3S	4E	50	12-11-86	.6	4.7	<.1	--	30	--	<.02	1800	120
TANGIPAHOA PARISH--CONTINUED													
TA- 286	1S	7E	29	12-18-86	.2	2.4	.1	--	47	--	.02	<8	<20
TA- 455	3S	7E	20	12-18-86	10	2.3	.4	--	211	--	<.02	20	<20
TA- 511	7S	7E	49	08-04-87	6.6	3.1	.2	40	186	190	--	20	40

1/ GEOLOGIC UNIT (AQUIFER):

111SLNO- Shallow aquifers of New Orleans area, Holocene age.
112DDMRO- Deltaic deposits of Mississippi River valley, older, Pleistocene age.
112GRMC- Gramercy aquifer, Pleistocene age.
112MRVA- Mississippi River alluvial aquifer, Pleistocene age.
112SLBR- Shallow sands of Baton Rouge area, Pleistocene age.
112UPTC- Upland terrace deposits, Pleistocene age.
11204BR- "400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
11206BR- "600-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
120ABIT- Abita aquifer (Zone 2), Pliocene age.
120KNTD- Kentwood aquifer (Zone 2), Pliocene age.
121EVGL- Evangeline aquifer, Pliocene-Miocene age.
12101FP- Zone 1 Florida Parishes and Pointe Coupee Parish, Pliocene age.
12110BR- "1,000-foot" sand of Baton Rouge area, Pliocene age.
12112BR- "1,200-foot" sand of Baton Rouge area, Pliocene age.
12115BR- "1,500-foot" sand of Baton Rouge area, Pliocene age.
12117BR- "1,700-foot" sand of Baton Rouge area, Pliocene age.
122AMIT- Amite aquifer (Zone 3), Miocene age.
12220BR- "2,000-foot" sand of Baton Rouge area, Miocene age.
12223BR- "2,000-foot" and "2,400-foot" sands of Baton Rouge area, Miocene age.
12224BR- "2,400-foot" sand of Baton Rouge area, Miocene age.
12228BR- "2,800-foot" sand of Baton Rouge area, Miocene age.

QUALITY OF GROUND WATER

PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1986 TO SEPTEMBER 1987

WELL NO.	LOCATION T. R. SEC.			STATION NUMBER	GEO-LOGIC UNIT ^{1/}	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE, LAB (US/CM)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
AVOYELLES PARISH									
AV- 441 ^{2/}	1N	3E	33	310117092100201	121EVGL	319	05-22-87	3/ 1130	—
EAST BATON ROUGE PARISH									
EB- 151	7S	1E	82	302641091085801	12223BR	2658	08-27-87	348	1.5
EB- 413	7S	1E	81	302642091083201	12115BR	1745	08-27-87	319	2.8
EB- 444	7S	1W	48	302655091112401	12220BR	2172	08-27-87	387	1.9
EB- 575	8S	1W	68	302149091101401	12220BR	2500	09-17-87	1210	220
EB- 611	8S	2E	50	302149091012401	11204BR	600	09-11-87	932	180
EB- 621	7S	1E	39	302500091052501	12112BR	1487	08-27-87	481	54
EB- 659 ^{4/}	5S	1W	51	303408091113201	12115BR	1295	09-10-87	3/513	57
EB- 681	8S	2E	50	302147091012301	112SLBR	289	05-18-87	216	—
EB- 733	7S	1E	81	302647091083301	12223BR	2637	09-11-87	—	14
							08-27-87	339	2.2
EB- 745	7S	2E	58	302414091032601	11204BR	503	09-11-87	314	2.3
EB- 750	6S	1W	75	303141091114801	12228BR	2643	08-27-87	675	48
EB- 760B	8S	2E	5	302250091021202	11204BR	640	09-11-87	783	130
EB- 771	7S	1E	81	302646091083801	12115BR	1739	08-27-87	319	3.2
EB- 778	7S	1E	94	302509091082701	12220BR	2586	07-21-87	—	150
EB- 780A	7S	1E	94	302509091082702	12112BR	1622	07-21-87	—	890
EB- 780B	7S	1E	94	302509091082703	12115BR	1913	07-23-87	—	380
EB- 781	7S	1E	94	302535091090401	12220BR	2286	08-03-87	7320	2400
EB- 782A	7S	1E	94	302535091090402	12110BR	1189	07-23-87	—	510
EB- 782B	7S	1E	94	302535091090403	12115BR	1681	07-23-87	—	840
EB- 783A	7S	1W	54	302502091113601	12115BR	2179	08-04-87	664	110
EB- 783B	7S	1W	54	302502091113602	12220BR	2675	09-29-87	3340	760
EB- 789B	7S	1E	93	302511091070402	12115BR	1721	07-30-87	—	1700
EB- 792B	7S	1E	95	302605091080602	12220BR	2286	08-14-87	395	2.6
EB- 798	6S	1W	39	303133091103101	12228BR	2647	09-10-87	854	120
EB- 803B	8S	2E	5	302306091022602	12220BR	2565	09-28-87	2160	520
EB- 804A	7S	1E	70	302428091035001	12117BR	1950	07-20-87	—	2.3
EB- 804B	7S	1E	70	302428091035002	12224BR	2762	07-20-87	—	4.4
EB- 805	7S	1E	70	302428091035003	12110BR	1072	07-22-87	—	7200
EB- 806B	7S	1W	72	302702091103902	12224BR	2579	08-10-87	370	1.8
EB- 807A	7S	1E	96	302611091091201	12115BR	1713	08-12-87	7440	2600
EB- 807B	7S	1E	96	302611091091202	12220BR	2264	08-12-87	420	14
EB- 815	7S	1E	52	302425091062301	11204BR	645	09-28-87	441	41
EB- 817	7S	1W	74	302644091101801	12220BR	2284	08-27-87	383	3.0
EB- 822	7S	1W	54	302510091105003	11204BR	573	08-04-87	2930	850
EB- 870	7S	1W	44	302729091100601	11206BR	692	07-20-87	—	3.3
EB- 894	8S	2E	5	302251091021201	112SLBR	519	09-11-87	383	14
EB- 918 ^{5/}	7S	1E	91	302547091074401	12115BR	1834	08-07-87	3/322	2.8
EB-1027 ^{6/}	5S	1W	51	303421091123003	12224BR	1926	05-18-87	293	—
EAST FELICIANA PARISH									
EF- 248 ^{6/}	3S	1E	15	304722091053605	12228BR	2197	04-01-87	3/ 599	—

1/ — See explanation of geologic unit (aquifer) at end of the complete chemical analyses table.

2/ — Water temperature, 21.5°C; field pH, 7.80 units; total phenols, 1 µg/L.

3/ — Field measurement.

4/ — Water temperature, 23.0°C; field pH, 8.40 units; nitrogen, dissolved ammonia (NH₄), <1.0 µg/L.

5/ — Water temperature, 31.0°C; field pH, 8.50 units; nitrogen, dissolved ammonia (NH₄), <1.0 µg/L.

6/ — Water temperature, 32.5°C; field pH, 8.50 units; total iron (Fe), 26 µg/L; dissolved iron (Fe), 31 µg/L.

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC ^{1/} UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE, LAB (US/CM)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
T.	R.	SEC.							
FRANKLIN PARISH									
FR- 48	14N	7E	26	321006091431801	112MRVA	80	09-15-87	—	94
FR- 49	14N	7E	26	321008091431701	112MRVA	80	09-15-87	—	200
FR- 347	14N	7E	26	321014091431701	112MRVA	82	09-15-87	—	140
FR- 367	14N	7E	26	321021091432401	112MRVA	90	09-15-87	—	90
FR- 368	14N	7E	26	321011091431701	112MRVA	79	09-15-87	—	220
IBERVILLE PARISH									
IB- 198	7S	9E	29	302926091310401	12224BR	2246	09-08-87	462	.1
IB- 231	9S	13E	3	301541091073101	112DDMRO	370	09-11-87	1410	220
IB- 232	9S	13E	3	301539091072801	112DDMRO	370	09-11-87	1460	230
ORLEANS PARISH									
OR- 179	10S	15E	19	300959089441901	120ABIT	2434	10-09-86	627	6.3
RICHLAND PARISH									
RI- 112	17N	9E	24	322623091294901	112MRVA	67	09-15-87	—	260
RI- 114	17N	9E	24	322636091295702	112MRVA	66	09-15-87	—	150
RI- 124	17N	9E	24	322605091301101	112MRVA	84	09-15-87	—	190
RI- 260	17N	9E	26	322605091303501	112MRVA	70	09-15-87	—	260
ST. JAMES PARISH									
SJ- 206	11S	5E	190	300325090394701	112GRMC	244	10-08-86	882	150
WEST BATON ROUGE PARISH									
WBR- 35	7S	12E	68	302657091124201	12112BR	1290	09-16-87	308	1.9
WBR- 100B	7S	12E	68	302652091121402	12224BR	2448	07-30-87	—	2.8
WBR- 101	7S	12E	91	302726091145501	12112BR	1367	08-05-87	315	4.3
WBR- 102A	7S	12E	7	302806091172601	12112BR	1288	07-29-87	—	5.8
WBR- 102B	7S	12E	7	302806091172602	12220BR	2100	07-29-87	—	3.1
WBR- 112	7S	12E	70	302550091124102	12115BR	2205	08-25-87	557	66
WBR- 113	7S	12E	70	302547091123201	12115BR	2242	08-25-87	940	150
WBR- 137	7S	12E	93	302657091142101	12112BR	1330	09-18-87	292	3.2
WBR- 147	7S	12E	70	302559091122001	12110BR	1292	08-11-87	2840	780
WBR- 148	7S	11E	23	302702091185101	12112BR	1304	08-05-87	348	3.3
WBR- 181	7S	12E	68	302644091121201	12117BR	1900	09-16-87	295	2.1

^{1/} — See explanation of geologic unit (aquifer) at end of the complete chemical analyses table.

QUALITY OF GROUND WATER

MISCELLANEOUS CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1986 TO SEPTEMBER 1987

[<, Actual value is known to be less than the value shown]

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC ^{1/} UNIT	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CONDUCTANCE, FIELD (US/CM)	SPE-CIFIC CONDUCTANCE, LAB (US/CM)	PH, FIELD (STANDARD UNITS)	WATER TEMPERATURE (DEG C)
ST. CHARLES PARISH										
SC- 185	13S 20E 120	295350090235801	111SLNO	18	03-31-87	1020	--	--	--	17.5
					03-31-87	1100	642	585	6.70	17.5
					09-01-87	1015	--	--	--	--
					09-01-87	1035	--	653	6.90	24.0
SC- 186	13S 20E 120	295347090235101	111SLNO	28	03-31-87	1450	--	--	--	--
					03-31-87	1510	5110	5010	6.80	--
					09-01-87	1110	--	--	--	--
					09-01-87	1215	--	5290	6.80	24.5
SC- 187	14S 20E 120	295344090235001	111SLNO	16	03-31-87	1200	1850	1830	6.70	17.5
					09-01-87	1435	--	--	--	--
					09-01-87	1500	--	1680	6.90	25.0
SC- 188	14S 20E 120	295344090235301	111SLNO	23	03-31-87	1300	--	--	--	18.0
					03-31-87	1400	1700	1510	6.60	18.0
					09-01-87	1155	--	--	--	--
					09-30-87	1005	--	--	--	--
					09-30-87	1035	--	1700	6.70	23.5
SC- 189	14S 20E 120	295346090240001	111SLNO	27	03-31-87	1245	--	--	--	18.0
					03-31-87	1320	1200	1180	6.80	18.0
					09-01-87	1245	--	--	--	--
					09-01-87	1330	--	1160	6.80	23.0

WELL NO.	LOCATION T. R. SEC.	DATE OF SAMPLE	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	ALKALINITY, FIELD (MG/L AS CaCO ₃)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO ₂)	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 RECOVER., GRAVIMETRIC (MG/L)	HALIDES, ORGANIC, TOTAL (UG/L)
ST. CHARLES PARISH--CONTINUED												
SC- 185	13S 20E 120	03-31-87	--	--	--	--	--	--	--	--	<1	--
		03-31-87	1.5	45	3.8	317	122	384	10	3.0	2	<10
		09-01-87	--	--	--	--	--	--	--	--	2	--
		09-01-87	--	30	--	316	77	370	<10	1.5	2	<50
SC- 186	13S 20E 120	03-31-87	--	--	--	--	--	--	--	--	<1	--
		03-31-87	1.4	100	5.4	910	279	2990	20	17	3	40
		09-01-87	--	--	--	--	--	--	--	--	1	--
		09-01-87	--	300	--	955	293	2960	10	17	3	<50
SC- 187	14S 20E 120	03-31-87	1.2	100	4.8	587	227	1070	20	16	1	40
		09-01-87	--	--	--	--	--	--	--	--	2	--
		09-01-87	--	68	--	578	141	964	<10	7.5	3	<50
SC- 188	14S 20E 120	03-31-87	--	--	--	--	--	--	--	--	<1	--
		03-31-87	1.0	89	4.6	717	349	1020	10	17	1	120
		09-01-87	--	--	--	--	--	--	--	--	1	--
		09-30-87	--	--	--	--	--	--	--	--	1	<50
		09-30-87	--	--	--	751	290	993	20	17	1	--
SC- 189	14S 20E 120	03-31-87	--	--	--	--	--	--	--	--	<1	--
		03-31-87	2.8	270	4.0	480	147	721	10	39	<1	10
		09-01-87	--	--	--	--	--	--	--	--	2	--
		09-01-87	--	59	--	480	147	674	10	12	3	<50

^{1/} See explanation of geologic unit (aquifer) at end of the complete chemical analyses table.

QUALITY OF GROUND WATER

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MINOR ELEMENTS FOR MONITOR WELLS, OCTOBER 1986 TO SEPTEMBER 1987

[<, Actual value is known to be less than the value shown]

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC, DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM, DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
	T.	R.	SEC.									
EAST BATON ROUGE PARISH												
EB- 659	5S	1W	51	303408091113201	04-01-87	---	---	<1	<100	---	<1	<10
EB-1027	5S	1W	51	303421091123003	04-01-87	---	---	<1	<100	---	<1	<10
LIVINGSTON PARISH												
LI- 185	7S	3E	38	302724090565801	12-19-86	<10	<1	<1	<100	<10	1	<10
ST. HELENA PARISH												
SH- 55	3S	4E	50	304530090500201	12-11-86	<10	<1	<1	<100	<10	2	<10
TANGIPAHOA PARISH												
TA- 286	1S	7E	29	305604090312001	12-18-86	<10	<1	<1	<100	<10	<1	<10
TA- 455	3S	7E	20	304600090312901	12-18-86	<10	<1	<1	<100	<10	<1	<10
TA- 511	7S	7E	49	302821090300401	08-04-87	---	---	<1	<100	---	<1	<10

WELL NO.	LOCATION			DATE OF SAMPLE	COPPER, DIS- SOLVED (UG/L AS CU)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY, DIS- SOLVED (UG/L AS HG)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC, DIS- SOLVED (MG/L AS C)	CYANIDE, DIS- SOLVED (MG/L AS CN)	
	T.	R.	SEC.											
EAST BATON ROUGE PARISH--CONTINUED														
EB- 659	5S	1W	51	04-01-87	2	<5	<0.1	—	<1	<1	<10	0.8	<0.02	
EB-1027	5S	1W	51	04-01-87	1	5	<.1	—	<1	<1	<10	3.5	<.02	
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	<1	<5	—	<1	<1	3	<10	.5	<.02	
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	3	<5	—	4	<1	2	20	2.0	<.02	
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	5	<5	<.1	1	<1	3	<10	.5	<.02	
TA- 455	3S	7E	20	12-18-86	4	<5	<.1	<1	<1	2	<10	1.5	<.02	
TA- 511	7S	7E	49	08-04-87	2	<5	<.1	—	<1	<1	20	2.5	—	

QUALITY OF GROUND WATER

PESTICIDE ANALYSES FOR MONITOR WELLS, OCTOBER 1986 TO SEPTEMBER 1987

[<, Actual value is known to be less than the value shown]

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN, TOTAL (UG/L)
	T.	R.	SEC.									
LIVINGSTON PARISH												
LI- 185	7S	3E	38	302724090565801	12-19-86	<.01	<.5	<.01	<.01	<.01	<.01	<.01
ST. HELENA PARISH												
SH- 55	3S	4E	50	304530090500201	12-11-86	<.01	<.1	<.01	<.01	<.01	<.01	<.01
TANGIPAHOA PARISH												
TA- 286	1S	7E	29	305604090312001	12-18-86	<.01	<.1	<.01	<.01	<.01	<.01	<.01
TA- 455	3S	7E	20	304600090312901	12-18-86	<.01	<.1	<.01	<.01	<.01	<.01	<.01

WELL NO.	LOCATION			DATE OF SAMPLE	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR., TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE, TOTAL (UG/L)	LINDANE, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
	T.	R.	SEC.											
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01	<.01
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01	<.01
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01	<.01
TA- 455	3S	7E	20	12-18-86	<.01	<.01	<.01	<1	<.01	<.01	<.01	<.01	<.01	<.01

WELL NO.	LOCATION			DATE OF SAMPLE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP, TOTAL (UG/L)	2, 4, 5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
	T.	R.	SEC.											
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	<.01	<.01	<.01	<.01	<.5	<.01	<.1	<.1	--	<.1
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	<.01	<.01	<.01	<.01	<.5	<.01	<.1	<.1	--	<.1
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	<.01	<.01	<.01	<.01	<.5	<.01	<.1	<.1	<.1	<.1
TA- 455	3S	7E	20	12-18-86	<.01	<.01	<.01	<.01	<.5	<.01	<.1	<.1	--	<.1

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[<, Actual value is known to be less than the value shown]

[illegible]

WELL NO.	LOCATION T. R. SEC.			DATE OF SAMPLE	1,2-DI-CHLORO-BENZENE,	1,3-DI-CHLORO-BENZENE,	1,4-DI-CHLORO-BENZENE,	1,2-DIBROMO-ETHYLENE,	METHYL-CHLORIDE,	CIS-1,3-DI-CHLORO-PROPENE,	TRANS-1,3-DI-CHLORO-PROPENE,	STYRENE,	XYLENE,	PARA-CHLORO-META-CRESOL,
					TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)	TOTAL (UG/L)			TOTAL (UG/L)
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	<5	<5	<5	<3	<10	<10	<10	<3	<10	<30
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	<5	<5	<5	<3	<10	<10	<10	<3	<10	<30
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	<5	<5	<5	<3	<10	<10	<10	<3	<10	<30
TA- 455	3S	7E	20	12-18-86	<5	<5	<5	<3	<10	<10	<10	<3	<10	<30

WELL NO.	LOCATION			DATE OF SAMPLE	2-CHLORO-PHENOL, TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL, TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL, TOTAL (UG/L)	2,4-DI-METHYL-PHENOL, TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL, TOTAL (UG/L)	2,4,-DINITRO-PHENOL, TOTAL (UG/L)	2-NITRO-PHENOL, TOTAL (UG/L)	4-NITRO-PHENOL, TOTAL (UG/L)	PENTA-CHLORO-PHENOL, TOTAL (UG/L)	PHENOL (C6H5OH), TOTAL (UG/L)
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	<5	<5	<20	<5	<20	<20	<5	<10	<30	<5
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	<5	<5	<20	<5	<20	<20	<5	<10	<30	<5
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	<5	<5	<20	<5	<20	<20	<5	<10	<30	<5
TA- 455	3S	7E	20	12-18-86	<5	<5	<20	<5	<20	<20	<5	<10	<30	<5

WELL NO.	LOCATION			DATE OF SAMPLE	ACE-NAPHTH-ENE, TOTAL (UG/L)	ACE-NAPHTH-YLENE, TOTAL (UG/L)	ANTHRA-CENE, TOTAL (UG/L)	BENZI-DINE, TOTAL (UG/L)	BENZO A ANTHRACENE 1, 2-BENZANTHRACENE, TOTAL (UG/L)	BENZO B FLUOR-AN-THENE, TOTAL (UG/L)	BENZO K FLUOR-AN-THENE, TOTAL (UG/L)	BENZO-A-PYRENE, TOTAL (UG/L)	BENZOGH I PERYL-ENE 1, 12-BENZOP-ERYLENE, TOTAL (UG/L)	N-BUTYL BENZYL-PHTHAL-ATE, TOTAL (UG/L)
	T.	R.	SEC.											
LIVINGSTON PARISH--CONTINUED														
LI- 185	7S	3E	38	12-19-86	<10	<5	<5	<25	<5	<10	<10	<10	<10	<5
ST. HELENA PARISH--CONTINUED														
SH- 55	3S	4E	50	12-11-86	<10	<5	<5	<25	<5	<10	<10	<10	<10	<5
TANGIPAHOA PARISH--CONTINUED														
TA- 286	1S	7E	29	12-18-86	<10	<5	<5	<25	<5	<10	<10	<10	<10	<5
TA- 455	3S	7E	20	12-18-86	<10	<5	<5	<25	<5	<10	<10	<10	<10	<5

[illegible]

[illegible]

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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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