

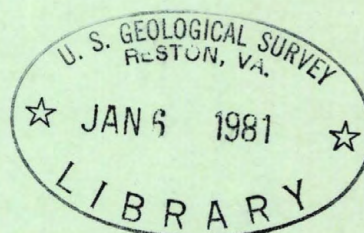
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Water Resources Data for Louisiana

Part 1. Surface Water Records

Part 2. Water Quality Records



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Prepared in cooperation with the Louisiana Department of
Public Works and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1972

OCTOBER 1971

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

NOVEMBER 1971

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DECEMBER 1971

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JANUARY 1972

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30	31					

FEBRUARY 1972

S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

MARCH 1972

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APRIL 1972

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23	24	25	26	27	28	29
30						

MAY 1972

S	M	T	W	T	F	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE 1972

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
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18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY 1972

S	M	T	W	T	F	S
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUGUST 1972

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

SEPTEMBER 1972

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

1972

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Public Works and with other State and Federal agencies

Prepared in cooperation with

Louisiana Department of Public Works
Louisiana Department of Highways
Sabine River Compact Administration
Corps of Engineers, U.S. Army
Environmental Protection Agency

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
6554 Florida Boulevard
Baton Rouge, Louisiana 70806

1972

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FOR WHICH RECORDS ARE PUBLISHED

/Letters after station name designate type of data:
(c), chemical; (t), water temperature; (s), sediment/

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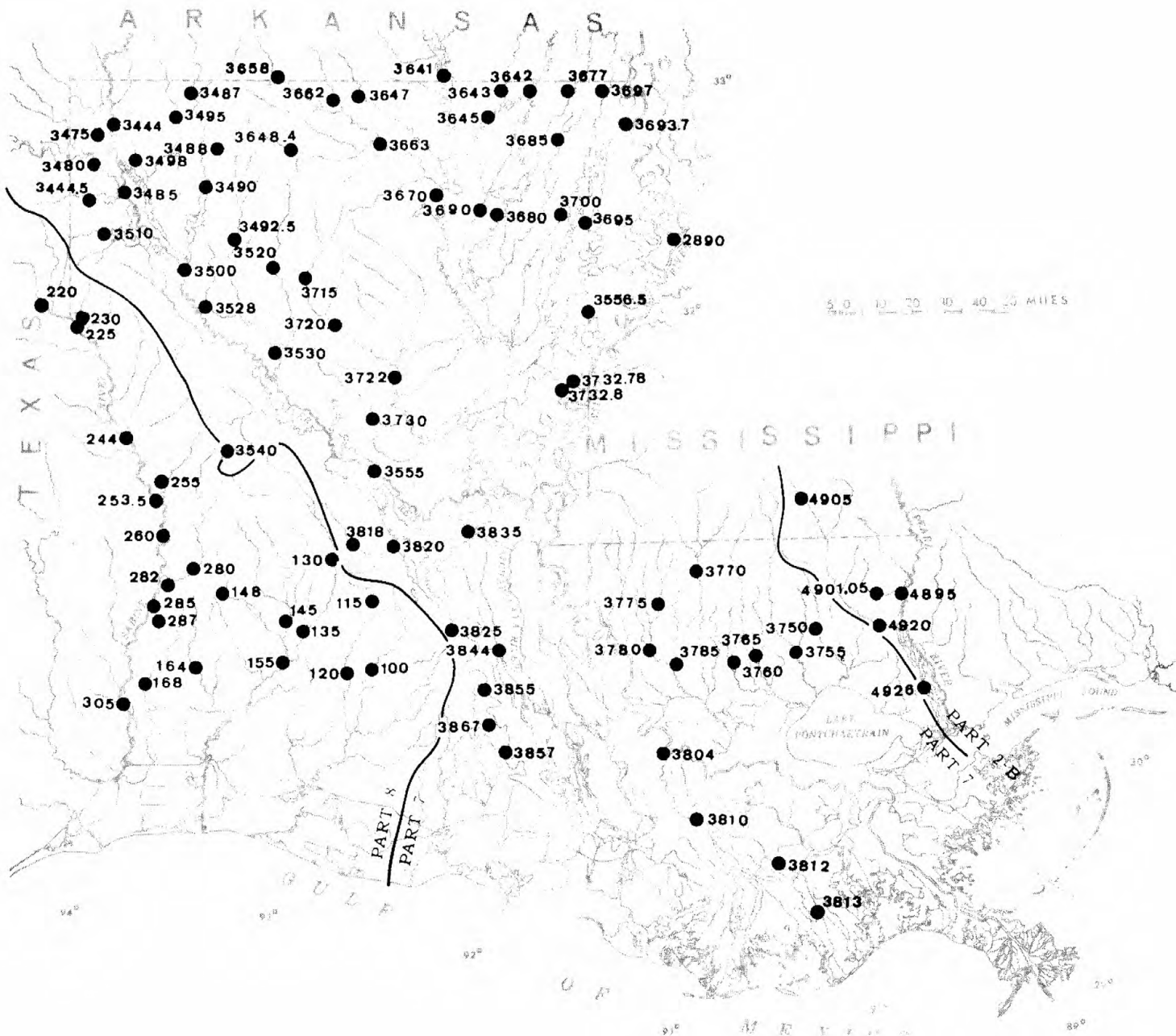


Figure 1.-- Map showing location of continuous-gaging stations.



Figure 2.-- Map showing location of crest-stage and low-flow stations.

Part 1. Surface-Water Records

Part 2. Water-Quality Records

INTRODUCTION

Water-resources data for the 1972 water year for Louisiana, including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface water are given in this report. Records for a few pertinent gaging stations in bordering States are also included. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of Albert N. Cameron, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and federal agencies in Louisiana.

Through September 30, 1960, the records of discharge and stage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States."

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the headings "Publications" on page 17.

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, and for water-quality records since 1943. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Louisiana Department of Public Works, Roy Aquillard, director.

Louisiana Department of Highways, W. T. Taylor, director.

Sabine River Compact Administration, composed of W. H. Robinson, Federal representative and chairman; R. J. Palmer and Hu B. Myers for Louisiana; George Smith and J. M. Syler for Texas.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, and Environmental Protection Agency, in collection records for 28 gaging stations and 6 water-quality stations published in this report.

DEFINITION OF TERMS

Definition of terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

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.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds present in a water and will vary with water compositions, concentration of reagent, temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

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.

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

Cubic foot per second (cfs, CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

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

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

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs) or DISCHARGE (CFS)."

Dissolved oxygen (DO)--Adequate dissolved oxygen is necessary for the life of fish and other aquatic organisms and is an indicator for corrosivity of water, photosynthetic activity, and septicity. It is one of the most important indicators of the condition of a water supply for biological, chemical and sanitary investigations (Rose, 1965).

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

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

Gaging station is a particular site on a stream, canal, lake or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is a physical-chemical characteristics attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Micrograms per liter (ug/l, UG/L) See "milligrams per liter."

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Concentration of suspended sediment expressed in milligrams per liter is based on the weight of sediment in a liter of water-sediment mixture. One thousand micrograms per liter is equal to one milligram per liter. Sediment concentrations that are expressed in parts per million are considered equivalent to milligrams per liter for concentration ranges to be expected in Louisiana.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter.

<u>Ion</u>	<u>Multi- ply by</u>	<u>Ion</u>	<u>Multi- ply by</u>
Aluminum (Al^{+3})*-----	0.11110	Lithium (Li^{+1})*---	0.14411
Ammonia as NH_4^{+1} -----	.05544	Magnesium (Mg^{+2})--	.08226
Bicarbonate (HCO_3^{-1})--	.01639	Manganese (Mn^{+2})*-	.03640
Calcium (Ca^{+2})-----	.04990	Nickel (Ni^{+2})*-----	.03406
Carbonate (CO_3^{-2})----	.03333	Nitrate (NO_3^{-1})---	.01613
Chloride (Cl^{-1})-----	.02821	Nitrite (NO_2^{-1})---	.02174
Chromium (Cr^{+6})*-----	.11539	Phosphate (PO_4^{-3})--	.03159
Cobalt (Co^{+2})*-----	.03394	Potassium (K^{+1})---	.02557
Copper (Cu^{+2})*-----	.03148	Sodium (Na^{+1})-----	.04350
Fluoride (F^{-1})-----	.05264	Strontium (Sr^{+2})*-	.02283
Iron (Fe^{+3})*-----	.05372	Sulfate (SO_4^{-2})---	.02082
Lead (Pb^{+2})*-----	.00965	Zinc (Zn^{+2})*-----	.03060

*Constituent reported in micrograms per liter; multiply by factor and results by 1,000.

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

Runoff in inches (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 a colloid.

Suspended-sediment discharge 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 by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

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

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

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 and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

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

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

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

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

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 manmade 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.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBERS

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which these tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indentation, each indentation representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02489500, which appears just to the left of the station name includes the part number "02" plus the 6-digit downstream order number "489500." In this report the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (South Atlantic Slope and Eastern Gulf), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

PART 1. SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to

supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that gives a continuous graph of the fluctuations (for digital recorders, a tape punched at 15- or 60-minute intervals) or from direct readings on a nonrecording gage. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, Book 3, Chapter A6.

For a stream-gaging station, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the gage height to the rating table gives the discharge. The daily mean discharge is computed from gage heights, then the monthly and the yearly mean discharge are computed from the daily figures. 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 individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of shifting sand bars, aquatic growth or debris on the control, the daily mean discharge is computed by the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by 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 determining discharge. Information required for determining 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 determining discharge.

For a reservoir station, capacity table giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents are computed. Discharge over spillways is computed from a stage-discharge relation curve defined by discharge measurements.

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, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the 1972 water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, notations of revisions of previously published records, and general remarks. The location of the gaging station and the drainage area are obtained from the most accurate maps available. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year" the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of

record" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES". Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and to availability of water-quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity outlet works and spillway, and purpose and use of the reservoir, is also under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964 to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations 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 revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton capacity tables are published for the reservoir for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of a day. For digital recorders, the daily

mean discharge is always the average of the discharges at each punched reading. For stations equipped with nonrecording gages, the daily discharge corresponds to once-daily readings of the gage or to the mean of twice-daily reading; but for periods of rapidly changing stage the discharge is determined from a gage-height graph based on gage readings.

The daily tables for reservoir stations give the contents corresponding to the water-surface elevation at a given time, usually at 2400 each day. For some reservoirs the elevation at a given time is given in the daily table. Discharge for the month also may be 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 of diversion, if the drainage area includes large noncontributing areas, or if the average rainfall on the drainage basin is usually less than 20 inches.

For reservoir stations, the monthly summary gives the elevation at the end of the month and the change in contents during the month.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years; likewise, the minimums in this summary are minimum daily discharges.

For reservoir stations the yearly summary gives the change in contents for the calendar year and for the water year.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

In a general footnote, introduced by the word "NOTE," certain periods are indicated for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. The methods used in computing discharge for various unusual

conditions have been explained in preceding paragraphs. Footnotes to reservoir tables explain the use of new capacity tables.

Accuracy of Data

The accuracy of discharge 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 interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily 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 1.00 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 and miscellaneous sites.

Discharge at some stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumptive use, regulation, evaporation or other factors. For these stations, discharge in cubic feet per second per square mile and runoff in inches are not published.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Louisiana for the periods October 1960 to September 1965 are in Water-Supply Papers 1906, 1920, and 1922, October 1965 to September 1970 are in Water-Supply Papers 2106, 2120, and 2122.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Louisiana are compiled in Water-Supply Papers 1304, 1311, and 1312 through September 1950, and in 1724, 1731, and 1732 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Data collected at partial-record stations and at miscellaneous sites are given in five tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, the third is a table of discharge measurements at miscellaneous sites, the fourth is a table of peak elevations at flood-profile partial-record stations, and the fifth is a table of seepage investigations.

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

PART 2. WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Data on the quality of surface water were collected from designated sampling sites at predetermined intervals such as once daily, weekly, monthly or less frequently. At some sites it was necessary to continuously record data on a punched paper tape at 15-, 30-, or 60-minute intervals.

Water-quality information is presented for chemical quality, biological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. Water-temperature data represent once-daily observations except for stations where a continuous-temperature recorder furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit ($^{\circ}\text{F}$). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, $^{\circ}\text{C}$). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Fahrenheit to degrees Celsius, see table 1 on the following page.

Table 1.--Degrees Fahrenheit ($^{\circ}\text{F}$) to degrees Celsius ($^{\circ}\text{C}$)*
(Temperature reported to nearest 0.5°C)

$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$
32	0.0	50	10.0	68	20.0	86	30.0	104	40.0
33	.5	51	10.5	69	20.5	87	30.5	105	40.5
34	1.0	52	11.0	70	21.0	88	31.0	106	41.0
35	1.5	53	11.5	71	21.5	89	31.5	107	41.5
36	2.0	54	12.0	72	22.0	90	32.0	108	42.0
37	3.0	55	13.0	73	23.0	91	33.0	109	43.0
38	3.5	56	13.5	74	23.5	92	33.5	110	43.5
39	4.0	57	14.0	75	24.0	93	34.0	111	44.0
40	4.5	58	14.5	76	24.5	94	34.5	112	44.5
41	5.0	59	15.0	77	25.0	95	35.0	113	45.0
42	5.5	60	15.5	78	25.5	96	35.5	114	45.5
43	6.0	61	16.0	79	26.0	97	36.0	115	46.0
44	6.5	62	16.5	80	26.5	98	36.5	116	46.5
45	7.0	63	17.0	81	27.0	99	37.0	117	47.0
46	8.0	64	18.0	82	28.0	100	38.0	118	48.0
47	8.5	65	18.5	83	28.5	101	38.5	119	48.5
48	9.0	66	19.0	84	29.0	102	39.0	120	49.0
49	9.5	67	19.5	85	29.5	103	39.5	121	49.5

$$^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32) \text{ or } ^{\circ}\text{F} = 9/5 (^{\circ}\text{C}) + 32.$$

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definitions of Terms," p. 4.)

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes through 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 at several verticals across the channel to determine accurately the solute load.

At chemical-quality stations where monitors are installed, the records consist of daily maximum, minimum, and mean values for each constituent measured. More detailed records (hourly values) may be obtained by writing the Water Resources District Office in Baton Rouge, Louisiana (see p. II).

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change; small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

Sediment

At one station suspended-sediment samples are collected daily with a depth-integrating cable-suspended sampler from a fixed sampling point. Depth-integrated samples are collected periodically at many verticals in the cross section to determine the ratio of the cross-sectional distribution of the concentration of suspended sediment to the daily sampling vertical.

During periods of high or rapidly changing flow, samples are taken twice or more often throughout the day at one station. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations suspended-sediment samples are collected periodically with depth-integrating cable-suspended sampler at one vertical in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and stream-flow in predicting long-term sediment-discharge characteristics of the stream.

Publications

The table below shows the annual series of water-supply papers that give information on quality of surface waters in Louisiana. Data for the South Atlantic slope and Eastern Gulf of Mexico basins are given in Part 2; for the Lower Mississippi River basin in Part 7, and for the Western Gulf of Mexico basins in Part 8.

Table 2.--Water-supply paper numbers and parts, water years, 1941-70

Part number			Part number		
<u>Year</u>	<u>2</u>	<u>7-8</u>	<u>Year</u>	<u>2</u>	<u>7-8</u>
1941	942	942	1956	1450	1452
1942	950	950	1957	1520	1522
1943	970	970	1958	1571	1573
1944	1022	1022	1959	1641	1644
1945	1030	1030	1960	1741	1744
1946	1050	1050	1961	1881	1884
1947	1102	1102	1962	1941	1944
1948	1132	1133	1963	1947	1950
1949	1162	1163	1964	1954	1957
1950	1186	1188	1965	1961	1964
1951	1197	1199	1966	1991	1994
1952	1250	1252	1967	2011	2014
1953	1290	1292	1968	2092	AB2096
1954	1350	1352			AC2097
1955	1400	1402			

Part number			
<u>Year</u>	<u>2</u>	<u>7</u>	<u>8</u>
1969	A2142	A2146	A2147
1970	A2152	A2156	A2157

A In press.

B Part 7

C Part 8

- American Public Health Association, and others, 1965, Standard methods for the examination of water and wastewater, 12th ed.: Am. Public Health Assoc., New York, 769 p.
- Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A1, 160 p.
- Carter, R. W., and Davidian, Jacob, 1968, General procedures for gaging streams: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. A6, 13 p.
- Colby, B. R., 1963, Fluvial sediments--a summary of source, transportation, deposition, and measurement of sediment discharge: U.S. Geol. Survey Bull. 1181-A, 47 p.
- Corbett, D. M., and others, 1943, reprinted 1957, Stream-gaging procedures describing methods and practices of the Geological Survey: a manual of the U.S. Geol. Survey Water-Supply Paper 888, 245 p.
- Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water, 2d ed.: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.
- Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.
- Rose, Arthur and Elizabeth, 1965, The condensed chemical dictionary: Reinhold Pub. Corp., New York, 5th ed., p. 412.

PART 1. SURFACE WATER RECORDS

PEARL RIVER BASIN

02489500 Pearl River near Bogalusa, La.

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

DRAINAGE AREA.--6,630 sq mi, approximately.

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

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

AVERAGE DISCHARGE.--34 years, 8,634 cfs (17.69 inches per year).

EXTREMES.--Current year: Maximum discharge, 45,200 cfs Dec. 13 (gage height, 19.91 ft); minimum, 1,710 cfs Sept. 19 (gage height, 5.62 ft).

Period of record: Maximum discharge, 88,200 cfs Feb. 23 1961 (gage height, 21.70 ft); minimum, 1,020 cfs Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft Oct. 30, 31, 1963.

Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

REMARKS.--Records good. Records of chemical analyses, water temperatures, and suspended-sediment loads for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,030	2,250	3,550	11,300	19,000	8,680	12,100	3,950	2,800	2,360	2,620	1,980
2	4,510	2,220	3,300	9,460	22,300	10,600	11,400	3,680	2,740	2,640	3,090	1,960
3	4,050	2,270	6,200	8,790	26,000	14,400	10,800	4,310	2,680	3,260	3,360	1,920
4	3,680	2,360	10,800	9,830	28,000	19,500	10,700	6,140	2,630	3,020	3,080	1,940
5	3,320	2,320	10,800	18,000	27,800	19,200	10,600	5,460	2,590	2,720	2,730	1,930
6	3,060	2,220	11,400	24,500	23,600	21,000	9,150	6,320	2,550	2,800	2,420	1,880
7	2,900	2,160	19,700	26,400	20,700	22,600	9,020	7,520	2,500	2,870	2,240	1,820
8	2,780	2,140	31,000	26,700	20,900	23,600	8,610	15,500	2,480	2,670	2,140	1,780
9	2,750	2,120	34,800	27,600	21,200	24,200	7,330	25,100	2,430	2,500	2,080	1,760
10	2,800	2,120	37,800	27,700	21,200	23,600	6,360	17,400	2,440	2,340	2,040	1,780
11	2,730	2,160	40,600	28,600	21,700	22,600	5,800	12,000	2,650	2,260	2,110	1,870
12	2,640	2,180	44,600	30,100	22,900	22,100	5,500	21,300	2,640	2,220	2,120	1,840
13	2,700	2,180	44,800	32,200	24,300	22,000	5,290	23,200	2,680	2,260	2,260	1,820
14	2,710	2,190	44,600	33,900	24,700	21,300	5,110	18,700	2,610	2,500	2,270	1,800
15	2,690	2,160	44,200	36,100	24,100	19,800	4,870	16,200	2,520	2,580	2,240	1,760
16	2,650	2,110	43,500	37,500	24,000	18,400	4,590	14,400	2,480	2,640	2,280	1,740
17	2,660	2,060	41,200	38,400	25,000	17,000	4,510	11,200	2,900	2,600	2,430	1,720
18	2,710	2,020	37,800	38,800	26,400	15,300	4,740	9,880	2,870	2,760	2,450	1,720
19	2,700	2,000	34,800	39,000	25,800	13,600	4,960	8,430	2,710	2,670	2,180	1,720
20	2,660	2,000	34,800	40,200	21,700	11,700	4,650	6,980	2,630	2,480	2,150	1,750
21	2,630	2,080	36,300	41,000	18,000	9,880	4,130	6,130	2,610	2,400	2,070	1,810
22	2,600	2,120	39,400	41,800	16,100	8,600	3,840	5,600	2,480	2,450	2,040	1,820
23	2,580	2,360	39,400	42,100	14,700	8,000	4,830	4,920	2,450	2,640	2,040	1,960
24	2,570	2,560	36,300	42,300	13,100	7,500	6,910	4,180	2,550	2,450	2,120	1,900
25	2,580	2,500	31,700	42,500	11,800	7,190	6,390	3,740	2,480	2,310	2,240	1,800
26	2,550	2,500	25,100	42,700	10,900	6,970	4,650	3,450	2,430	2,280	2,300	1,800
27	2,510	2,540	18,800	42,100	10,300	6,610	4,010	3,270	2,380	2,530	2,280	1,930
28	2,490	2,610	15,900	40,200	9,360	6,600	3,740	3,120	2,340	2,560	2,340	2,170
29	2,460	3,170	14,400	36,000	7,990	8,740	3,710	3,010	2,320	2,440	2,370	2,220
30	2,420	3,980	13,500	22,200	-----	10,600	3,970	2,930	2,300	2,440	2,160	2,100
31	2,330	-----	12,700	17,600	-----	11,600	-----	2,870	-----	2,550	2,020	-----
TOTAL	89,450	69,660	863,750	955,580	583,550	463,470	192,270	280,890	76,870	79,200	72,270	56,000
MEAN	2,885	2,322	27,860	30,820	20,120	14,950	6,409	9,061	2,562	2,555	2,331	1,867
MAX	5,030	3,980	44,800	42,700	28,000	24,200	12,100	25,100	2,900	3,260	3,360	2,220
MIN	2,330	2,000	3,300	8,790	7,990	6,600	3,710	2,870	2,300	2,220	2,020	1,720
CFSM	.44	.35	4.20	4.65	3.04	2.26	.97	1.37	.39	.39	.35	.28
IN.	.50	.39	4.85	5.36	3.27	2.60	1.08	1.58	.43	.44	.40	.31
CAL YR 1971: TOTAL	4,325,050			11,850		44,800		1,460		1.79		24.26
WTR YR 1972: TOTAL	3,782,960			10,340		44,800		1,720		1.56		21.22

02490105 Bogue Lusa Creek at State Highway 439, at Bogalusa, La.

LOCATION.--Lat 30°46'56", long 89°52'24", in SE $\frac{1}{4}$ sec.15, T.3 S., R.13 E., St. Helena meridian, Washington Parish, near center of span on downstream side of bridge on State Highway 439, in Bogalusa, 0.3 mile upstream from Ice Water Branch, 0.9 mile downstream from Adams Creek, and 4.0 miles upstream from mouth.

DRAINAGE AREA.--72.7 sq mi.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 76.60 ft above mean sea level.

AVERAGE DISCHARGE.--9 years, 87.9 cfs (16.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,230 cfs May 12 (gage height, 9.50 ft from floodmark); minimum, 29 cfs Sept. 25, 26 (gage height, 3.73 ft).

Period of record: Maximum discharge, 4,230 cfs May 12, 1972 (gage height, 9.50 ft from floodmark), from rating curve extended above 1,320 cfs on basis of logarithmic plotting and contracted-opening measurement of peak flow of Nov. 14, 1961, at site 1 mile downstream; minimum, 5.0 cfs Oct. 27, 28, 1967 (gage height, 3.54 ft), affected by temporary regulation.

Flood of Nov. 14, 1961, reached a stage of about 13 ft, from information by local resident.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	43	89	100	225	353	84	58	65	63	150	39
2	62	45	212	141	212	524	80	56	63	63	111	39
3	60	49	472	159	214	526	140	80	63	50	80	39
4	58	50	289	227	174	296	250	62	60	45	74	38
5	59	45	231	659	138	196	200	60	58	48	60	37
6	57	43	709	602	139	158	130	200	65	60	48	43
7	55	41	1,080	262	358	138	105	800	53	48	43	54
8	52	41	609	181	285	342	92	1,500	50	43	41	44
9	50	41	264	153	184	351	84	700	50	41	39	40
10	50	48	308	144	148	206	78	500	68	39	39	41
11	48	52	410	194	133	155	76	1,500	161	39	65	40
12	47	49	348	208	172	138	74	3,200	89	48	65	38
13	46	45	191	153	233	127	72	2,000	68	71	48	36
14	46	44	146	134	164	123	70	900	60	105	45	34
15	46	43	173	114	135	117	68	400	55	95	53	33
16	46	43	334	101	163	151	85	250	53	146	187	33
17	49	42	271	98	239	160	68	180	50	154	106	34
18	65	42	177	100	267	122	64	150	48	139	72	41
19	72	43	138	118	202	110	62	120	45	92	56	37
20	60	45	320	358	147	103	60	110	45	77	48	36
21	52	49	426	410	129	115	60	100	48	89	44	37
22	51	44	268	410	123	142	84	97	48	77	41	34
23	50	43	173	248	119	116	66	95	48	71	40	32
24	49	42	140	183	114	98	62	92	50	55	43	31
25	47	42	125	152	111	103	60	86	48	55	120	31
26	45	43	116	130	109	108	59	83	48	95	107	31
27	45	43	110	120	104	95	58	83	48	108	121	63
28	45	54	107	119	98	130	60	80	43	65	66	93
29	44	176	105	127	122	110	70	71	43	77	51	67
30	43	141	101	200	-----	95	62	74	45	111	44	48
31	43	-----	106	330	-----	90	-----	68	-----	124	41	-----
TOTAL	1,603	1,571	8,548	6,635	4,961	5,598	2,583	13,755	1,738	2,393	2,148	1,243
MEAN	51.9	52.4	276	214	171	181	86.1	444	57.9	77.2	69.3	41.4
MAX	72	176	1,080	659	358	526	250	3,200	161	154	187	93
MIN	43	41	89	98	98	90	58	56	43	39	39	31
CFSM	.71	.72	3.80	2.94	2.35	2.49	1.18	6.11	.80	1.06	.95	.57
IN.	.82	.80	4.37	3.40	2.54	2.86	1.32	7.04	.89	1.22	1.10	.64
CAL YR 1971	TOTAL 44,270	MEAN 121	MAX 1,480	MIN 29	CFSM 1.66	IN 22.65						
WTR YR 1972	TOTAL 52,781	MEAN 144	MAX 3,200	MIN 31	CFSM 1.98	IN 27.01						

PEAK DISCHARGE (BASE, 1,500 CFS)

NOTE.--No gage-height record Mar. 28 to May 22.

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
5-8	unknown	unknown	†2,000	5-12	unknown	9.5	4,230

† About.

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile upstream from Bars Branch, 2.2 miles downstream from Topisaw Creek, and 9.0 miles northwest of Tylertown.

DRAINAGE AREA.--502 sq mi.

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above mean sea level.

AVERAGE DISCHARGE.--28 years, 755 cfs (20.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 26,700 cfs Dec. 7; maximum gage height, 28.51 ft Dec. 7; minimum discharge not determined, occurred during period of no gage-height record; minimum gage height recorded, 6.16 ft Aug. 9-10, 23-24, but may have been less during period of no gage-height record in September.

Period of record: Maximum discharge, 45,700 cfs Jan. 7, 1950 (gage height, 33.50 ft); minimum, 175 cfs Oct. 31, 1963; minimum gage height recorded, 6.16 ft Aug. 9-10, 23-24, 1972, but may have been less during period of no gage-height record in September 1972.

Flood in February 1936 reached a stage 1.2 ft higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mile downstream.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1504: 1945(P), 1946(M), 1947-51, 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	336	231	314	482	3,690	716	696	315	316	280	313	250
2	321	236	1,040	497	3,380	2,350	562	318	313	292	286	248
3	310	240	4,170	635	1,720	3,670	489	398	310	362	277	246
4	302	233	3,090	1,170	1,050	2,710	496	369	304	313	266	244
5	296	226	2,190	2,300	817	2,290	527	336	298	340	260	242
6	293	227	6,500	2,280	755	1,100	493	303	295	337	255	240
7	284	229	21,200	2,180	2,860	813	443	534	295	280	249	240
8	277	227	15,600	1,320	2,760	804	408	2,900	292	263	246	239
9	271	235	5,680	810	1,790	1,190	382	3,050	298	252	244	238
10	265	241	2,870	862	1,040	1,150	363	3,220	316	246	241	240
11	260	241	3,010	2,530	821	770	354	1,780	295	241	260	240
12	257	244	2,030	5,080	875	632	345	1,170	292	238	260	238
13	254	235	1,190	3,640	1,320	562	339	3,460	289	252	337	236
14	253	236	918	1,680	1,420	520	330	3,330	280	283	277	234
15	252	235	893	901	940	530	321	3,140	280	266	272	232
16	251	229	1,270	696	824	591	430	1,410	322	252	322	232
17	264	238	2,000	597	856	640	822	814	411	258	322	232
18	283	248	1,930	547	812	530	762	656	375	255	272	240
19	276	262	1,890	517	786	472	446	560	313	286	258	238
20	265	262	2,540	536	699	440	360	499	298	289	249	236
21	255	243	2,780	920	600	476	324	465	280	263	246	232
22	251	237	2,340	1,660	542	566	339	435	272	269	255	230
23	249	235	1,830	1,850	512	530	1,100	414	274	255	246	226
24	247	243	963	1,930	492	462	1,960	394	289	252	252	222
25	246	248	756	1,240	476	427	1,850	382	277	269	258	220
26	244	259	653	753	456	401	598	369	266	266	328	240
27	243	255	587	623	433	392	430	356	260	295	310	270
28	241	265	538	562	421	1,170	372	343	269	549	260	295
29	238	298	511	553	417	1,610	345	337	252	394	250	289
30	235	298	496	2,430	-----	1,630	330	331	246	331	250	263
31	234	---	487	4,130	-----	1,130	-----	325	---	350	248	---
TOTAL	8,253	7,336	92,266	45,911	33,564	31,274	17,016	32,713	8,877	9,078	8,369	7,272
MEAN	266	245	2,976	1,481	1,157	1,009	567	1,055	296	293	270	242
MAX	336	298	21,200	5,080	3,690	3,670	1,960	3,460	411	549	337	295
MIN	234	226	314	482	417	392	321	303	246	238	241	220
CFSM	.53	.49	5.93	2.95	2.30	2.01	1.13	2.10	.59	.58	.54	.48
IN.	.61	.54	6.84	3.40	2.49	2.32	1.26	2.42	.66	.67	.62	.54

CAL YR 1971: TOTAL 330,178 MEAN 905 MAX 21,200 MIN 226 CFSM 1.80 IN 24.47
WTR YR 1972: TOTAL 301,929 MEAN 825 MAX 21,200 MIN 220 CFSM 1.64 IN 22.37

PEAK DISCHARGE (BASE, 6,000 CFS).--Dec. 7 (2000) 26,700 cfs (28.51 ft). NOTE.--No gage-height record Aug. 28 to Sept. 27.

PEARL RIVER BASIN

02492000 Bogue Chitto near Bush, La.

LOCATION.--Lat 30°37'45", long 89°53'50", in T.5 S., R.13 E., St. Tammany Parish, near center of span on downstream side of bridge on State Highway 21, 0.2 mile downstream from Gulf, Mobile, and Ohio Railroad bridge, and 1.4 miles north of Bush.

DRAINAGE AREA.--1,210 sq mi, approximately.

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

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

AVERAGE DISCHARGE.--35 years, 1,800 cfs (20.20 inches per year).

EXTREMES.--Current year: Maximum discharge, 30,900 cfs Dec. 10 (gage height, 14.02 ft); minimum, 565 cfs Sept. 25 (gage height, 2.60 ft).

Period of record: Maximum discharge, 57,000 cfs Feb. 23, 1961 (gage height, 17.04 ft); minimum, 366 cfs Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,030	625	1,050	1,760	4,870	2,120	2,720	1,130	1,000	798	1,020	656
2	1,000	616	1,040	1,790	5,960	3,140	2,120	1,040	980	890	940	656
3	952	621	1,820	1,940	6,080	4,770	1,720	1,170	960	1,100	862	680
4	908	616	3,240	2,120	5,710	5,560	1,580	2,050	940	940	802	661
5	874	612	4,610	4,210	4,260	6,240	1,640	1,730	920	890	774	655
6	840	605	5,430	6,870	3,020	5,490	1,680	1,260	900	890	749	659
7	823	599	6,810	6,720	3,090	4,160	1,540	1,260	980	870	724	651
8	793	598	15,800	5,380	4,470	3,050	1,430	3,700	980	820	707	645
9	763	597	24,800	4,320	5,640	3,890	1,320	11,900	880	780	696	640
10	750	612	29,700	3,110	5,340	4,070	1,250	13,800	950	755	686	651
11	729	623	21,700	3,040	3,870	3,210	1,200	9,590	1,000	735	721	661
12	718	619	11,900	3,880	2,960	2,680	1,170	11,600	900	735	710	654
13	715	620	8,420	4,380	2,920	2,280	1,140	17,100	860	790	738	641
14	706	617	5,870	5,850	3,200	2,040	1,110	13,800	860	910	930	631
15	692	610	4,070	5,610	3,100	1,890	1,090	11,700	840	1,000	858	625
16	690	605	3,890	3,560	2,920	1,940	1,080	9,380	840	900	879	625
17	687	601	4,120	2,580	2,730	2,230	1,130	5,830	980	874	849	622
18	721	596	4,000	2,300	3,150	2,150	1,280	4,030	1,200	906	829	628
19	750	606	4,180	2,190	3,250	1,960	1,470	2,650	1,050	918	768	650
20	739	620	4,420	2,850	2,860	1,750	1,310	2,140	940	896	713	636
21	713	643	5,750	3,560	2,450	1,690	1,140	1,870	850	926	690	593
22	686	635	9,940	3,780	2,160	1,760	1,090	1,700	780	920	673	581
23	681	627	9,220	4,090	1,550	1,730	1,670	1,570	826	900	658	594
24	674	652	6,300	4,110	1,820	1,610	1,660	1,470	800	902	774	583
25	665	628	4,530	3,790	1,720	1,540	2,020	1,390	800	938	810	577
26	650	607	3,070	3,420	1,640	1,500	2,490	1,300	794	918	386	590
27	649	609	2,560	2,750	1,580	1,420	2,000	1,250	782	1,020	925	618
28	645	658	2,270	2,410	1,510	1,430	1,430	1,200	756	1,000	1,010	879
29	640	939	2,070	2,260	1,520	1,810	1,270	1,150	749	1,020	924	856
30	635	1,310	1,920	2,330	-----	2,700	1,180	1,100	756	1,040	816	754
31	630	-----	1,820	3,180	-----	2,890	-----	1,050	-----	1,020	706	-----
TOTAL	23,148	19,526	216,320	110,640	95,700	85,090	44,920	140,910	26,653	27,982	24,733	19,562
MEAN	747	651	6,978	3,569	3,300	2,745	1,497	4,545	888	903	798	652
MAX	1,030	1,310	29,700	6,870	6,080	6,240	2,720	17,100	1,200	1,100	1,020	879
MIN	630	596	1,040	1,760	1,510	1,420	1,080	1,040	749	735	658	577
CFSM	.62	.54	5.77	2.95	2.73	2.27	1.24	3.76	.73	.75	.66	.54
IN.	.71	.60	6.65	3.40	2.94	2.62	1.38	4.33	.82	.86	.76	.60
CAL YR 1971	TOTAL 766,416	MEAN 2,100	MAX 29,700	MIN 571	CFSM 1.74	IN 23.56						
WTR YR 1972	TOTAL 835,184	MEAN 2,282	MAX 29,700	MIN 577	CFSM 1.89	IN 25.68						

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	1245	14.02	30,900	5-13	1645	12.32	18,600
12-22	2000	11.03	11,100				

02492000 Bogue Chitto near Bush, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.86	2.78	3.84	5.38	9.02	6.07	7.08	4.05	--	3.27	3.80	2.87
2	3.73	2.76	3.81	5.43	9.63	7.57	6.06	3.85	--	--	3.64	2.90
3	3.62	2.77	5.48	5.74	9.69	8.97	5.31	4.12	--	--	3.43	2.94
4	3.52	2.76	7.73	6.06	9.50	9.63	5.01	5.55	--	--	3.28	2.89
5	3.44	2.75	8.88	8.52	8.63	9.77	5.14	5.31	--	3.50	3.21	2.87
6	3.36	2.73	9.35	9.97	7.53	9.38	5.21	4.34	--	3.50	3.14	2.88
7	3.32	2.71	9.94	9.94	7.62	8.56	4.93	4.32	--	3.45	3.07	2.86
8	3.25	2.71	11.83	9.32	8.77	7.58	4.70	7.94	--	--	3.02	2.84
9	3.18	2.66	13.21	8.68	9.46	8.37	4.48	11.11	--	--	2.99	2.83
10	3.14	2.75	13.86	7.63	9.30	8.51	4.31	11.54	--	3.16	2.96	2.86
11	3.08	2.78	12.75	7.56	8.35	7.77	4.20	10.69	--	3.10	3.06	2.89
12	3.05	2.77	11.20	8.37	7.30	7.01	4.13	11.13	--	3.10	3.03	2.87
13	3.04	2.77	10.41	9.04	7.40	6.35	4.06	12.09	--	3.25	3.11	2.83
14	3.02	2.76	9.56	9.57	7.78	5.93	4.00	11.50	--	3.55	3.35	2.80
15	2.98	2.74	8.52	9.44	7.65	5.65	3.93	11.13	--	3.77	3.42	2.79
16	2.97	2.73	8.39	8.05	7.39	5.74	3.93	10.39	--	--	3.46	2.79
17	2.96	2.72	8.56	6.85	7.10	6.27	4.04	9.53	--	3.46	3.39	2.78
18	3.06	2.70	8.47	6.39	7.70	6.13	4.38	8.43	--	3.54	3.34	2.79
19	3.14	2.73	8.60	6.21	7.87	5.78	4.80	6.97	--	3.57	3.19	2.86
20	3.11	2.77	8.76	7.20	7.31	5.36	4.44	6.11	--	3.49	3.04	2.82
21	3.04	2.84	9.50	8.13	6.64	5.23	4.06	5.60	--	3.59	2.97	2.65
22	2.96	2.81	10.77	8.31	6.14	5.39	3.95	5.27	--	--	2.92	2.65
23	2.95	2.79	10.60	8.54	5.77	5.32	5.18	5.01	3.34	--	2.88	2.69
24	2.93	2.86	9.77	8.55	5.50	5.07	5.18	4.79	--	3.53	3.20	2.66
25	2.90	2.79	8.81	8.32	5.29	4.94	5.88	4.62	--	3.62	3.30	2.64
26	2.86	2.74	7.59	7.99	5.14	4.85	6.70	--	3.26	3.57	3.47	2.68
27	2.85	2.74	6.81	7.12	5.03	4.69	5.84	--	3.23	3.81	3.57	2.77
28	2.84	2.88	6.34	6.56	4.88	4.70	4.70	--	3.16	3.76	3.76	3.46
29	2.83	3.59	6.00	6.32	4.89	5.47	4.36	--	3.14	3.81	3.57	3.40
30	2.81	4.43	5.70	6.44	-----	7.05	4.16	--	3.16	--	3.31	3.16
31	2.80	-----	5.51	7.67	-----	7.35	-----	--	-----	--	3.02	-----
MEAN	3.12	2.84	8.73	7.72	7.39	6.66	4.81	--	--	--	3.25	2.86
MAX	3.86	4.43	13.86	9.97	9.69	9.77	7.08	--	--	--	3.80	3.46

02492600 Pearl River at Pearl River, La.

LOCATION.--Lat 30°23'08", long 89°44'12", in NE¼ sec.1, T.8 S., R.14 E., St. Helena meridian, on right bank fender at downstream side of West Pearl River bridge on U.S. Highway 11, 500 ft upstream from Southern Railway bridge, 0.5 mile upstream from old channel, and 0.8 mile northeast of town of Pearl River.

DRAINAGE AREA.--8,590 sq mi (including East Pearl River).

PERIOD OF RECORD.--Discharge: October 1963 to September 1970. Daily discharge October 1961 to September 1963 in files of Corps of Engineers, Mobile district.

Gage heights: Since June 6, 1906, in reports of U.S. Weather Bureau. Oct. 1, 1899, to May 31, 1906, (collected by Southern Railway System) on file at the U.S. Weather Bureau, Meridian, Miss.

GAGE.--West Pearl: Water-stage recorder. Datum of gage is 0.36 ft above mean sea level. Supplementary water-stage recorder since June 18, 1964, 500 ft downstream at same datum. Auxiliary water-stage recorder 7.4 miles upstream. Datum of auxiliary gage is mean sea level.

East Pearl: Water-stage recorder used for gage heights below 13.5 ft. Datum of gage is mean sea level. Supplementary staff gage 9.8 miles upstream at same datum. Auxiliary water-stage recorder 6.5 miles downstream. Datum of auxiliary gage is 0.12 ft below mean sea level.

AVERAGE DISCHARGE.--7 years, 9,470 cfs (14.97 inches per year).

EXTREMES.--1969-70: Maximum daily discharge, 21,600 cfs Mar. 26; minimum daily, 2,160 cfs July 9.

Period of record: Maximum discharge, 114,700 cfs Feb. 18, 1966 (gage height, 17.61 ft); minimum daily, 1,580 cfs Oct. 24, Nov. 10, 1963.

Maximum stage reported by U.S. Weather Bureau, 18.6 ft Mar. 16, 1921, maximum stage reported by the Southern Railway System at railroad gage, 19.7 ft Apr. 19, 1900. Flood of 1874 reached a stage of 20.2 ft (furnished by Corps of Engineers).

REMARKS.--Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers. Flow is affected by tide below about 4,000 cfs.

COOPERATION.--Computation of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

NOTE.--Records for 1971, 1972 water years are not available in time for inclusion in this report. They will be published in a subsequent report.

MISSISSIPPI RIVER MAIN STEM

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles downstream from Yazoo diversion canal, and at mile 430.4.

DRAINAGE AREA.--1,144,500 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1928 to September 1971 (records for 1972 water year not available). Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1971 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 miles upstream in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.

Extremes of stage intermittently 1828-71 and continuous since 1871, extremes of discharge for various years 1858-1926 and continuous since 1926, annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 miles upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft above mean sea level (Corps of Engineers bench mark) or 46.16 ft above mean Gulf level. See WRD La. 1969 or WRD MISS 1971 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--43 years, 552,700 cfs (400,400,000 acre-ft per year).

EXTREMES.--1970-71: Maximum daily discharge, 1,317,000 cfs Mar. 14; maximum gage height, 37.24 ft Mar. 14 at bridge gage, 39.04 ft at supplementary recorder; minimum daily discharge, 249,000 cfs Aug. 26, minimum gage height, 5.80 ft Sept. 19 at supplementary recorder.

Period of Record: Maximum discharge, 2,080,000 cfs Feb. 17, 1937; maximum gage height, 53.2 ft Feb. 21, 1937; minimum discharge, 99,400 cfs Nov. 1, 1939; minimum gage height, -7.02 ft Feb. 3, 1940 (ice jam above).

Maximum stage known since at least 1871, 58.4 ft (Corps of Engineers gage on Yazoo diversion canal), approximately 56.0 ft May 4, 1927 (Geological Survey gage).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR 1971 WATER YEAR ARE PUBLISHED ON PAGE 146 OF THIS REPORT.

07344400 Red River near Hosston, La.

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

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

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (discharge below 5,000 cfs only).

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

AVERAGE DISCHARGE.--11 years (1958-68), 17,920 cfs (12,980,000 acre-ft per year).

EXTREMES.--Current year: Maximum gage height, 21.92 ft Dec. 16, discharge not determined; minimum daily discharge, 803 cfs Sept. 16, 17.

Period of record: Maximum discharge, 214,000 cfs May 7, 1958 (gage height, 27.89 ft); minimum daily, 803 cfs Sept. 16, 17, 1972.

REMARKS.--Records fair. Regulation since July 1942 by Lake Texoma (capacity, 5,392,900 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). Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,000									4,880	3,310	1,630
2	3,000										3,990	1,220
3	4,790										4,370	1,030
4									4,600		4,450	983
5									4,030	4,660	4,100	893
6									3,810	4,460	3,380	1,050
7									3,490	4,660	2,590	1,220
8	4,450								3,300	4,980	1,880	1,190
9	4,750								3,040	4,370	1,740	1,100
10									3,590	3,210	1,860	1,000
11									3,740	2,520	2,240	929
12									3,200	2,270	2,080	911
13									2,960	1,910	1,650	875
14									4,070	1,910	1,470	875
15									4,640	1,770	1,440	848
16								4,980	4,960	1,650	1,330	803
17							4,840	4,520		1,620	1,240	803
18							4,860	4,980	4,680	1,530	1,260	1,080
19	4,870						3,540		3,630	1,690	1,480	1,330
20									3,180	2,380	1,720	1,390
21									3,560	2,760	1,910	1,570
22									3,790	2,600	1,910	1,640
23									3,430	2,280	1,540	1,850
24									3,110	2,140	1,420	2,260
25									3,450	2,000	1,480	2,620
26									3,090	2,560	1,560	3,250
27									3,140	3,490	1,650	3,770
28								4,720	3,920	3,850	1,910	4,460
29								4,100	4,600	4,120	2,000	4,450
30								4,390	4,760	3,810	2,150	4,140
31		-----			-----		-----	4,940	-----	3,200	2,000	-----
MAX	-	-	-	-	-	-	-	-	-	-	4,450	4,460
MIN	2,000	-	-	-	-	-	3,540	4,100	2,960	1,530	1,240	803

07344400 Red River near Hosston, La.--Continued

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	9.08	6.24	15.28	11.61	7.94	6.41	7.13	5.10	4.76	3.92	2.84
2	-	8.72	6.04	15.27	11.27	7.81	5.83	6.58	5.18	4.87	4.30	2.51
3	4.60	8.36	5.81	15.20	10.56	7.52	5.53	6.27	5.01	4.94	4.50	2.32
4	5.61	8.22	5.88	15.06	10.24	7.58	5.79	6.37	4.62	4.89	4.54	2.27
5	5.64	8.11	6.03	14.88	10.08	7.60	5.82	6.58	4.32	4.65	4.36	2.17
6	5.23	7.91	6.53	14.67	9.98	7.22	5.93	6.63	4.20	4.55	3.96	2.34
7	4.82	7.67	8.42	14.25	9.94	6.85	5.90	6.63	4.02	4.65	3.48	2.51
8	4.44	7.74	11.30	13.81	9.89	6.55	5.69	6.92	3.91	4.81	3.02	2.48
9	4.58	7.99	12.52	13.49	9.92	6.11	5.36	6.99	3.76	4.50	2.92	2.39
10	5.46	8.29	13.86	13.52	9.99	5.81	5.20	6.49	4.08	3.86	3.01	2.29
11	6.31	8.43	15.80	13.44	9.88	5.51	5.66	5.85	4.16	3.44	3.26	2.21
12	6.58	8.47	17.81	13.24	9.71	5.20	5.83	5.56	3.85	3.28	3.15	2.19
13	6.30	8.34	19.30	12.94	9.59	5.10	5.29	5.38	3.71	3.04	2.86	2.15
14	5.80	8.20	20.57	12.71	9.52	5.23	5.10	5.13	4.34	3.04	2.72	2.15
15	5.47	7.95	21.55	12.34	9.52	5.50	5.00	4.89	4.64	2.94	2.70	2.12
16	5.21	7.72	21.83	11.92	9.49	5.85	4.96	4.81	4.80	2.86	2.61	2.07
17	5.02	7.74	21.36	11.60	9.35	5.93	4.74	4.58	4.85	2.84	2.53	2.07
18	4.76	7.74	20.22	11.38	9.17	5.97	4.75	4.81	4.62	2.77	2.55	2.37
19	4.64	7.49	19.22	11.15	10.33	6.19	4.05	5.93	4.10	2.88	2.73	2.61
20	4.80	7.43	18.69	10.93	11.50	6.30	5.08	6.43	3.84	3.35	2.91	2.66
21	5.21	7.27	18.50	10.92	11.70	6.73	5.29	6.11	4.06	3.59	3.04	2.80
22	6.90	6.95	18.34	10.90	11.40	6.91	5.06	5.47	4.19	3.49	3.04	2.85
23	13.00	7.64	18.13	10.88	10.76	6.48	5.00	5.13	3.99	3.29	2.78	3.00
24	15.17	9.21	17.82	10.83	9.87	6.38	5.08	5.12	3.80	3.19	2.68	3.25
25	14.84	9.49	17.28	10.55	9.50	6.43	5.19	5.11	4.00	3.10	2.73	3.50
26	13.68	8.74	17.35	10.35	8.93	6.27	7.72	5.08	3.79	3.46	2.79	3.88
27	12.45	7.84	17.26	10.45	8.36	6.21	9.69	5.07	3.82	4.02	2.86	4.18
28	11.69	6.36	17.20	10.63	8.21	6.75	9.41	4.68	4.26	4.22	3.04	4.55
29	11.02	5.87	17.05	10.95	8.10	6.86	8.54	4.36	4.62	4.37	3.10	4.54
30	10.32	5.76	16.40	11.32	-----	6.67	7.61	4.51	4.70	4.20	3.20	4.36
31	9.58	-----	15.72	11.63	-----	6.66	-----	4.79	-----	3.85	3.10	-----
MAX	15.17	9.49	21.83	15.28	11.70	7.94	9.69	7.13	5.18	4.94	4.54	4.55
MIN	-	5.76	5.81	10.35	8.10	5.10	4.05	4.36	3.71	2.77	2.53	2.07

RED RIVER BASIN

07344450 Paw Paw Bayou near Greenwood, La.

LOCATION.--Lat 32°31'00", long 93°58'20", in SE $\frac{1}{4}$ sec. 26, T.18 N., R.16 W., Caddo Parish, near center of span on downstream side of bridge on State Highway 169, 1 mile upstream from Cross Lake, 5.1 miles north of Greenwood, and 11 miles west of Shreveport.

DRAINAGE AREA.--78 sq mi.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft above mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--17 years, 54.4 cfs (9.47 inches per year, 39,410 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,380 cfs Jan. 5 (gage height, 9.68 ft); no flow on many days.

Period of record: Maximum discharge, 7,310 cfs Apr. 27, 1958 (gage height, 13.84 ft), from rating curve extended above 2,200 cfs; no flow at times each year.

REMARKS.--Records fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	0	29	326	4.4	6.7	2.0	0	.04	11	0
2		0	.07	152	91	53	5.1	4.8	0	0	4.1	0
3		0	.51	244	53	112	4.4	63	0	.05	2.0	.02
4		0	.29	589	38	58	4.9	27	0	.22	1.0	.03
5		0	.22	1,230	28	34	7.7	13	0	.22	.63	.40
6		0	8.3	728	24	25	11	5.0	0	.19	.44	.03
7		0	36	351	22	20	9.5	2.5	0	.05	.29	0
8		0	42	82	21	16	6.9	1.6	0	.17	.20	0
9		0	19	46	20	14	4.9	1.1	0	.22	.15	0
10		0	11	40	17	11	3.7	.84	0	.15	.10	0
11		0	18	36	15	9.6	3.0	.58	0	.07	.06	0
12		0	20	30	16	8.5	2.5	1.1	0	.02	.04	0
13		0	12	25	21	7.4	2.1	1.5	0	0	.03	0
14		0	5.3	21	24	6.9	1.7	1.5	.84	0	.02	0
15		0	3.1	17	21	6.3	1.4	2.3	14	0	.01	0
16		0	2.4	14	18	5.9	1.4	1.4	70	0	0	0
17		0	8.7	12	16	5.3	1.1	.79	14	0	0	0
18		.10	10	9.9	14	4.7	.89	.47	4.7	0	0	0
19		.19	5.0	9.3	12	4.2	.84	.54	2.1	0	0	0
20		.04	2.4	8.7	9.6	3.7	.74	.68	1.0	0	0	0
21		0	1.4	8.5	8.0	5.0	.79	.33	.54	0	0	0
22		0	.94	8.2	6.4	6.3	.74	.20	.44	0	0	0
23		0	.68	7.7	6.0	9.0	.58	.14	.40	0	0	0
24		0	.44	7.1	5.4	9.6	.47	.10	.36	0	0	0
25		0	.26	6.0	5.6	13	.33	.05	.40	0	0	0
26		.17	.19	5.0	5.4	19	.29	.03	.54	0	0	0
27		.12	.14	4.4	4.9	18	.33	.02	.44	0	0	0
28		.07	.10	5.1	4.3	14	.58	.01	.26	0	0	0
29		.04	.08	33	3.8	13	.74	.03	.17	106	0	0
30		.02	.08	237	-----	12	1.0	.02	.08	255	0	0
31		-----	.07	379	-----	9.5	-----	.01	-----	81	0	-----
TOTAL	0	.75	208.67	4,374.9	856.4	538.3	86.32	175.84	110.27	443.40	20.07	.58
MEAN	0	.025	6.73	141	29.5	17.4	2.88	5.67	3.68	14.3	.65	.019
MAX	0	.19	42	1,230	326	112	11	63	70	255	11	.40
MIN	0	0	0	4.4	3.8	3.7	.29	.01	0	0	0	0
CFSM	0	.0003	.09	1.81	.38	.22	.04	.07	.05	.18	.008	.0002
IN.	0	0	.10	2.09	.41	.26	.04	.08	.05	.21	.009	0
AC-FT	0	1.5	414	8,680	1,700	1,070	171	349	219	879	40	1.2

CAL YR 1971 TOTAL 6,730.26 MEAN 18.4 MAX 1,320 MIN 0 CFSM .24 IN 3.21 AC-FT 13,350
WTR YR 1972 TOTAL 6,815.50 MEAN 18.6 MAX 1,230 MIN 0 CFSM .24 IN 3.25 AC-FT 13,520

PEAK DISCHARGE (BASE, 800 CFS).--Jan. 5 (0715) 1,380 cfs (9.68 ft).

07348000 Twelvemile Bayou near Dixie, La.

LOCATION.--Lat 32°38'45", long 93°52'40", in NW¼NW¼ sec.14, T.19 N., R.15 W., Caddo Parish, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mile downstream from Cottonwood Bayou, 4.2 miles southwest of Dixie, 5.5 miles downstream from Caddo Lake, and 17.3 miles upstream from mouth.

DRAINAGE AREA.--3,137 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 140.00 ft above mean sea level. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1947, to Sept. 30, 1950, water-stage recorder at datum 5.88 ft higher. Oct. 1, 1950, to Sept. 30, 1962, water-stage recorder at datum 3.88 ft higher. Nonrecording gage for Red River at Shreveport (sta 07348500) read once daily used as auxiliary gage for this station.

AVERAGE DISCHARGE.--30 years, 2,433 cfs (10.53 inches per year, 1,763,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 6,610 cfs Jan. 5 (gage height, 18.84 ft); minimum, 0.08 cfs Aug. 24 (gage height, 0.31 ft). Period of record: Maximum discharge, 38,400 cfs May 5, 1958; maximum gage height, 39.53 ft Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge, 0.08 cfs Aug. 24, 1972 (gage height, 0.31 ft).

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Flow regulated by Ellison Creek (usable capacity, 24,500 acre-ft) since January 1943; Lake O' the Pines (usable capacity, 839,200 acre-ft of which 587,200 acre-ft is available for flood storage) since August 1957; and Caddo Lake (usable capacity, 170,000 acre-ft). Records of water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

REVISIONS.--WSP 1211: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	13	118	20	2,330	2,730	1,000	1,100	255	8.8	1.6	100	1.2		
2	12	52	26	3,810	2,800	1,430	1,200	466	4.4	1.3	46	.92		
3	16	23	82	4,230	3,170	1,270	1,300	663	3.2	1.4	14	.83		
4	18	11	124	5,960	3,030	1,270	1,400	691	3.1	3.2	6.0	.70		
5	18	6.5	136	6,430	2,520	1,240	1,500	700	2.9	2.2	3.7	.50		
6	17	4.4	350	6,160	2,590	1,200	1,500	709	2.6	1.8	2.5	.41		
7	17	2.2	876	6,030	2,540	1,100	1,400	739	2.5	1.8	1.9	.36		
8	14	1.6	967	5,930	2,470	1,050	1,300	755	2.2	1.8	1.6	.36		
9	13	1.6	1,010	5,960	2,380	1,000	1,200	677	2.2	4.7	1.5	.30		
10	11	3.1	1,110	5,900	2,270	950	1,100	534	2.4	4.5	.81	.27		
11	10	6.5	1,140	5,860	2,200	900	1,000	504	2.6	2.6	.60	.39		
12	9.2	9.5	1,250	5,850	2,310	850	900	534	2.2	1.6	.52	1.0		
13	9.8	11	1,320	5,860	2,210	800	849	602	2.2	1.3	.44	1.4		
14	9.2	9.8	1,830	5,570	2,080	750	688	586	2.4	2.8	.37	1.5		
15	9.2	7.0	2,000	5,300	1,930	700	651	486	2.7	4.6	.32	1.7		
16	9.8	2.1	2,060	5,020	1,870	800	688	448	2.7	3.1	.24	1.8		
17	11	1.6	2,550	4,740	1,780	900	458	431	3.0	1.9	.15	1.7		
18	11	3.4	2,880	4,410	1,740	950	406	356	2.7	1.6	.26	3.4		
19	11	4.4	2,850	4,030	1,620	900	370	328	2.4	1.5	.23	3.4		
20	12	5.7	2,860	3,640	1,480	800	337	337	2.2	2.0	.14	3.4		
21	15	4.7	2,830	3,300	1,610	700	365	307	1.9	3.0	.29	3.2		
22	13	3.8	3,030	2,990	1,480	600	321	252	2.2	2.5	.26	2.5		
23	324	3.7	3,290	2,710	1,460	550	277	220	2.3	1.5	.23	2.7		
24	1,640	8.0	3,530	2,520	1,400	650	197	160	2.0	1.4	.20	2.8		
25	1,390	180	3,730	1,960	1,320	700	147	132	1.9	1.3	1.1	3.8		
26	1,130	178	3,580	1,790	1,110	750	94	94	1.7	1.2	2.5	3.6		
27	834	84	3,160	1,740	1,070	800	156	84	1.6	1.1	4.4	3.8		
28	774	36	2,500	1,890	1,050	850	382	68	1.6	1.0	6.0	5.2		
29	547	24	2,310	2,100	1,020	900	304	56	1.5	10	4.0	5.5		
30	387	20	2,370	2,650	-----	950	248	75	1.9	50	2.8	6.8		
31	230	-----	1,870	2,820	-----	1,000	-----	18	-----	110	1.9	-----		
TOTAL	7,535.2	826.6	57,641	129,490	57,240	28,310	21,838	12,267	78.0	230.3	204.96	65.44		
MEAN	243	27.6	1,859	4,177	1,974	913	728	396	2.60	7.43	6.61	2.18		
MAX	1,640	180	3,730	6,430	3,170	1,430	1,500	755	8.8	110	100	6.8		
MIN	9.2	1.6	20	1,740	1,020	550	94	18	1.5	1.0	.14	.27		
CFSM	.08	.009	.59	1.33	.63	.29	.23	.13	.0008	.002	.002	.0007		
IN.	.09	.01	.68	1.54	.68	.34	.26	.15	.0009	.003	.002	.0008		
AC-FT	14,950	1,640	114,300	256,800	113,500	56,150	43,320	24,330	155	457	407	130		
CAL YR 1971:	TOTAL	188,414.90	MEAN	516	MAX	3,730	MIN	1.6	CFSM	.16	IN.	2.23	AC-FT	373,700
WTR YR 1972:	TOTAL	315,726.50	MEAN	863	MAX	6,430	MIN	.14	CFSM	.28	IN.	3.74	AC-FT	626,200

NOTE.--No gage-height record Mar. 6 to Apr. 12.

07348000 Twelvemile Bayou near Dixie, La.--Continued

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	2.90	1.44	11.80	10.95	6.00	-	2.96	1.34	1.06	-	1.02
2	1.41	2.48	1.49	14.08	11.10	7.17	-	3.85	1.20	.99	2.10	.94
3	1.46	2.20	1.86	14.90	11.82	6.75	-	4.60	1.14	1.02	1.72	.91
4	1.49	2.00	2.10	17.98	11.45	6.75	-	4.70	1.13	1.24	1.50	-
5	1.47	1.87	2.17	18.54	10.17	6.67	-	4.73	1.11	1.16	1.36	-
6	1.46	1.75	3.36	18.08	10.35	-	-	4.76	1.09	1.10	1.26	.70
7	1.45	1.53	5.19	17.85	10.23	-	-	4.86	1.08	1.10	1.19	.65
8	1.41	1.40	5.56	17.67	10.00	-	-	4.91	1.06	1.10	1.14	.64
9	1.39	1.40	6.84	17.72	9.77	-	-	4.70	1.06	1.39	1.09	.58
10	1.36	1.64	8.42	17.62	9.50	-	-	4.17	1.07	1.38	.90	.54
11	1.34	1.87	9.96	17.54	9.31	-	-	4.05	1.08	1.24	.82	.68
12	1.32	1.98	12.28	17.52	9.55	-	-	4.17	1.06	1.10	.78	.85
13	1.33	2.02	14.10	17.55	9.30	-	4.90	4.43	1.04	1.04	.72	.90
14	1.32	1.98	15.20	17.02	8.96	-	4.39	4.37	1.06	1.29	.66	.92
15	1.32	1.77	16.90	16.52	8.57	-	4.26	3.98	1.08	1.42	.60	.94
16	1.33	1.49	17.52	16.02	8.42	-	4.39	3.82	1.08	1.31	.50	.95
17	1.35	1.36	17.54	15.47	8.17	-	3.64	3.73	1.10	1.19	.39	.94
18	1.35	1.62	16.84	14.76	8.05	-	3.43	3.40	1.08	1.12	.52	1.04
19	1.36	1.69	15.92	13.92	7.47	-	3.28	3.26	1.06	-	.49	1.04
20	1.37	1.75	15.36	13.02	7.38	-	3.15	3.28	1.04	-	.37	1.04
21	1.42	1.68	15.14	12.18	7.66	-	3.33	3.13	1.04	-	.56	1.03
22	1.39	1.60	14.84	11.40	7.30	-	3.15	2.86	1.08	-	.52	.99
23	3.16	1.58	14.82	10.69	7.24	-	2.96	2.70	1.09	-	.49	1.00
24	8.56	1.80	14.58	10.21	7.10	-	2.60	2.39	1.06	-	.45	1.01
25	9.32	2.89	14.30	9.00	6.87	-	2.35	2.23	1.05	-	.99	1.06
26	8.16	2.80	13.88	8.52	6.30	-	2.04	1.98	1.05	-	1.26	1.05
27	6.58	2.09	13.50	8.36	6.20	-	2.40	1.90	1.03	-	1.41	1.06
28	5.54	1.62	13.10	8.60	-	-	3.40	1.80	1.02	-	1.50	1.11
29	4.75	1.50	12.84	9.15	-	-	3.18	1.72	1.01	-	1.38	1.12
30	4.12	1.43	12.54	10.56	-----	-	2.93	1.80	1.12	-	1.28	1.16
31	3.45	-----	11.65	10.98	-----	-	-----	1.49	-----	-	1.18	-----
MAX	9.32	2.90	17.54	18.54	11.82	-	-	4.91	1.34	-	-	1.16
MIN	1.32	1.36	1.44	8.36	-	-	2.04	1.49	1.01	-	.37	.54

07348500 Red River at Shreveport, La.

LOCATION.--Lat 32°30'55", long 93°44'25", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.18 N., R.13 W., Caddo Parish, on second pier from east bank, at Illinois Central Railroad bridge at Shreveport, 0.5 mile downstream from Cross Bayou.

DRAINAGE AREA.--60,613 sq mi, of which 5,936 sq mi above Denison Dam is noncontributing.

PERIOD OF RECORD.--August 1938 to September 1971. Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft above mean sea level (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft higher.

AVERAGE DISCHARGE.--42 years, 23,920 cfs (17,330,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge, 44,700 cfs Nov. 1 (gage height, 15.42 ft); maximum gage height, 15.47 ft Nov. 1 (backwater); minimum daily, 2,500 cfs Sept. 29.

Period of record: Maximum discharge, 303,000 cfs Apr. 5, 1945 (discharge measurement); maximum gage height, 37.9 ft in gage well, 38.4 ft from outside gage, Apr. 7, 1945; minimum discharge, 690 cfs Oct. 30, 1956; minimum gage height, 0.24 ft Nov. 9, 1939. Maximum stage known, 45.9 ft, present datum, in August 1849.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir.

COOPERATION.--Gage-height record, and computations of daily discharge furnished by Corps of Engineers: records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1920: 1960(M).

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR 1971 WATER YEAR ARE PUBLISHED ON PAGE 147 OF THIS REPORT.

07348700 Bayou Dorcheat near Springhill, La.

LOCATION.--Lat 32°59'40", long 93°23'47", in NE¼ sec.16, T.23 N., R.10 W., Webster Parish, near left bank on downstream side of bridge on State Highway 197, 0.4 mile downstream from Crooked Creek, 1.7 miles downstream from Arkansas-Louisiana State line, and 2.8 miles southeast of Springhill city limits.

DRAINAGE AREA.--605 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft above mean sea level.

AVERAGE DISCHARGE.--15 years, 453 cfs (10.17 inches per year, 328,200 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,960 cfs Jan. 8 (gage height, 13.29 ft); minimum, 2.1 cfs Oct. 15, 16; minimum gage height, 2.96 ft June 13.

Period of record: Maximum discharge, 36,400 cfs Apr. 28, 1958 (gage height, 22.79 ft); no flow Oct. 10-14, 1957.

REMARKS.--Records good above 200 cfs and poor below. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	3.0	20	140	568	147	834	29	4.0	12	27	15
2	19	3.1	22	496	654	220	891	72	4.7	12	23	15
3	12	3.2	48	695	716	243	917	96	4.9	13	19	15
4	8.6	3.3	38	1,200	745	284	914	130	4.6	20	15	17
5	6.8	3.4	36	1,770	745	344	850	251	4.3	39	14	20
6	5.8	3.6	61	2,340	722	402	705	372	4.1	15	12	16
7	4.7	3.8	111	2,860	675	424	485	451	3.9	23	10	16
8	4.0	3.8	106	2,900	600	410	296	452	3.4	33	11	16
9	3.5	4.0	119	2,620	495	334	206	369	3.1	40	12	17
10	3.1	4.1	151	2,250	376	290	176	229	2.8	40	13	17
11	2.7	4.1	179	1,880	295	298	167	137	2.6	33	19	17
12	2.4	4.1	184	1,550	255	297	159	107	2.4	25	15	17
13	2.3	4.1	168	1,290	230	274	144	100	2.3	19	14	17
14	2.2	4.2	156	1,080	213	246	127	76	3.9	15	15	18
15	2.1	4.3	160	894	206	246	110	65	7.0	13	15	18
16	2.1	4.4	155	696	205	322	100	61	4.8	11	15	18
17	2.2	4.4	147	498	205	430	90	56	4.1	11	15	18
18	2.3	14	145	348	198	520	80	48	3.6	12	15	19
19	2.4	22	148	261	186	555	70	39	3.3	12	15	19
20	2.3	7.3	152	215	173	523	60	30	3.2	12	14	19
21	2.3	6.3	146	192	163	433	54	24	3.2	12	13	19
22	2.2	6.8	134	183	157	319	51	20	4.2	13	13	21
23	2.2	13	121	178	157	226	43	16	6.9	13	19	21
24	2.4	28	109	175	150	176	38	12	6.6	12	15	21
25	2.3	29	98	169	146	159	35	9.7	7.6	12	15	23
26	2.2	26	88	163	146	155	32	7.7	8.2	12	16	23
27	2.2	23	78	157	150	162	31	6.5	9.3	13	16	23
28	2.4	22	70	196	153	201	31	5.7	10	13	15	26
29	2.6	22	66	306	150	500	30	5.5	11	27	14	23
30	2.7	22	66	416	-----	667	27	4.7	13	22	14	23
31	2.8	-----	67	483	-----	754	-----	4.0	-----	33	15	-----
TOTAL	143.8	306.3	3,349	28,601	9,834	10,561	7,753	3,285.8	157.0	592	473	567
MEAN	4.64	10.2	108	923	339	341	258	106	5.23	19.1	15.3	18.9
MAX	28	29	184	2,900	745	754	917	452	13	40	27	26
MIN	2.1	3.0	20	140	146	147	27	4.0	2.3	11	10	15
CFSM	.008	.02	.18	1.53	.56	.56	.43	.18	.009	.03	.03	.03
IN.	.008	.02	.21	1.76	.60	.65	.48	.20	.009	.04	.03	.03
AC-FT	285	608	6,640	56,730	19,510	20,950	15,380	6,520	311	1,170	938	1,120

CAL YR 1971 TOTAL 64,357.3 MEAN 176 MAX 1,260 MIN 2.0 CFSM .29 IN 3.96 AC-FT 127,700
WTR YR 1972 TOTAL 65,622.9 MEAN 179 MAX 2,900 MIN 2.1 CFSM .30 IN 4.03 AC-FT 130,200

PEAK DISCHARGE (BASE, 3,000 CFS).--No peak above the base.

07348800 Flat Lick Bayou near Leton, La.

LOCATION.--Lat 32°46'11", long 93°15'58", in NW¼ sec.35, T.21 N., R.9 W., Webster Parish, near left bank on downstream side of bridge on State Highway 159, 0.5 mile downstream from Cypress Creek, 6 miles upstream from mouth, and 6.5 miles south of Leton.

DRAINAGE AREA.--66.9 sq mi.

PERIOD OF RECORD.--Annual maximums, water years 1954-56 and occasional low-flow measurements, water years 1955-56. October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.79 ft above mean sea level. Nov. 9, 1953, to Sept. 13, 1956, crest-stage gage at datum 35.21 ft lower.

AVERAGE DISCHARGE.--16 years, 51.1 cfs (10.37 inches per year, 37,020 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,600 cfs Jan. 5 (gage height, 9.42 ft, from floodmark); no flow at times.

Period of record: Maximum discharge, 10,200 cfs Apr. 26, 1958 (gage height, 12.95 ft), from rating curve extended above 4,200 cfs by velocity-area study; no flow at times in 1957-58, 1960, 1963-72.

REMARKS.--Records fair except those for period of no gage-height record, which are poor. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.54	0	2.0	200	64	12	36	9.6	.15	3.6	2.1	0
2	.36	0	2.0	500	51	39	25	68	.11	1.1	1.4	0
3	.62	0	3.0	800	41	37	20	74	.10	1.3	.81	0
4	1.3	0	5.0	1,400	31	29	18	41	.09	11	.46	0
5	.87	0	10	1,500	27	22	16	21	.07	11	.26	0
6	.98	0	50	350	27	17	14	12	.06	7.9	.18	0
7	.90	0	150	198	27	15	13	8.9	.05	4.3	.11	0
8	.68	0	300	109	23	14	11	7.2	.05	2.1	.08	0
9	.54	0	600	81	21	11	9.2	6.0	.04	1.9	.06	0
10	.32	0	650	67	19	10	8.2	4.6	.03	1.8	.05	0
11	.18	0	500	54	18	9.8	7.7	3.6	.03	1.3	.04	0
12	.10	0	300	46	21	9.5	7.0	5.9	.03	.81	.04	0
13	.05	0	200	40	22	9.2	6.2	9.0	.11	.63	.04	0
14	.03	0	300	33	19	9.2	5.3	6.4	.24	.50	.03	0
15	.01	0	350	25	18	18	4.8	5.6	.63	.28	.03	0
16	0	0	200	22	16	106	5.7	4.4	.22	.19	.02	0
17	.03	0	150	21	15	58	4.4	3.2	.13	.19	.01	0
18	.19	4.1	100	20	13	36	3.6	3.3	.11	.89	.01	0
19	.22	11	80	20	11	24	3.4	2.7	.07	1.7	.01	0
20	.09	13	70	19	11	19	3.1	1.9	.06	.66	0	0
21	.38	8.4	60	18	11	20	4.2	1.5	.05	.37	0	0
22	.34	7.1	50	17	11	19	4.6	1.4	.12	.28	0	0
23	.24	5.4	45	16	12	15	3.5	1.1	.12	.22	0	.04
24	.19	5.1	40	15	12	14	2.6	.89	.11	.14	0	.07
25	.16	3.8	35	13	12	13	2.0	.69	.24	.10	0	.07
26	.13	3.2	30	11	11	12	1.6	.50	.26	.07	0	2.6
27	.07	2.7	25	10	9.4	16	1.5	.37	.12	.05	0	4.4
28	.04	2.5	20	17	8.7	145	1.7	.29	.08	.05	0	1.4
29	.02	2.4	15	45	8.9	143	2.0	.25	.12	.52	0	.75
30	0	2.1	30	97	-----	121	1.9	.31	.31	6.9	5.1	0
31	0	-----	100	84	-----	57	-----	.22	-----	2.0	0	-----
TOTAL	9.58	70.8	4,472.0	5,848	591.0	1,079.7	247.2	305.82	10.50	62.05	5.74	9.79
MEAN	.31	2.36	144	189	20.4	34.8	8.24	9.87	.35	2.00	.19	.33
MAX	1.3	13	650	1,500	64	145	36	74	6.9	11	2.1	4.4
MIN	0	0	2.0	10	8.7	9.2	1.5	.22	.03	.05	0	0
CFSM	.005	.04	2.15	2.83	.30	.52	.12	.15	.005	.03	.003	.005
IN.	.005	.04	2.49	3.25	.33	.60	.14	.17	.005	.03	.003	.005
AC-FT	19	140	8,870	11,600	1,170	2,140	490	607	21	123	11	19

CAL YR 1971 TOTAL 7,365.98 MEAN 20.2 MAX 650 MIN 0 CFSM .30 IN 4.10 AC-FT 14,610
WTR YR 1972 TOTAL 12,712.18 MEAN 34.7 MAX 1,500 MIN 0 CFSM .52 IN 7.07 AC-FT 25,210

PEAK DISCHARGE (BASE, 500 CFS)

NOTE.--No gage-height record Dec. 2 to Jan. 6.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	unknown	a8.78	726	1- 5	unknown	a9.42	1,600

a From floodmark.

07349000 Bayou Dorcheat near Minden, La.

LOCATION.--Lat 32°35'55", long 93°19'59", in NW¼ sec.31, T.19 N., R.9 W., Webster Parish, on left bank 500 ft upstream from bridge on U. S. Highway 80, 0.7 mile upstream from Louisiana & Arkansas Railway Co. bridge, 3.0 miles west of Minden, and 28 miles upstream from Bistineau Dam.

DRAINAGE AREA.--1,097 sq mi.

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft above mean sea level (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. Since July 29, 1953, supplementary water-stage recorder 4.6 miles upstream at different datum used for low stages.

AVERAGE DISCHARGE.--39 years, 1,052 cfs (13.02 inches per year, 762,200 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 3,650 cfs Jan. 12 (gage height, 12.59 ft); minimum, 0.02 cfs Sept. 21; minimum gage height, 1.59 ft Oct. 2.

Period of record: Maximum discharge, 44,800 cfs May 1, 1958 (gage height, 24.90 ft); no flow at times in 1954, 1956, 1964, 1969, and 1970.

REMARKS.--Records fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1241: 1941.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	8.0	1.7	28	157	822	308	660	63	6.8	13	27	.48		
2	7.0	1.1	31	380	930	373	773	149	7.5	20	30	.56		
3	10	.60	51	729	985	465	886	518	8.4	18	36	1.7		
4	20	.56	64	1,300	1,000	582	1,000	533	7.0	25	41	3.7		
5	40	.52	76	1,800	995	693	1,040	403	6.1	30	40	7.3		
6	50	.44	99	2,200	1,000	740	1,040	316	5.3	40	34	5.3		
7	48	.28	142	2,450	980	737	1,030	281	4.7	45	26	3.7		
8	43	.28	185	2,850	958	710	976	342	4.0	45	18	2.7		
9	38	.32	216	3,200	926	691	908	434	3.2	40	12	2.0		
10	33	.20	244	3,450	890	693	800	496	2.4	38	8.4	1.2		
11	30	.18	263	3,580	845	691	599	514	2.0	36	7.3	.60		
12	28	.16	250	3,640	796	642	412	485	1.4	35	4.9	.40		
13	26	.14	250	3,580	729	572	320	408	1.4	38	3.0	.32		
14	25	.10	266	3,400	626	528	270	293	2.4	37	2.7	.24		
15	23	.08	306	3,000	556	493	244	218	3.8	32	2.4	.20		
16	23	.06	318	2,500	493	539	226	179	12	26	1.8	.24		
17	22	.04	338	2,220	458	723	201	149	15	22	1.4	.18		
18	22	3.2	346	1,880	430	719	176	127	12	17	1.6	.14		
19	20	13	342	1,490	405	728	156	110	7.8	19	2.6	.10		
20	19	20	318	1,150	386	746	137	90	4.6	21	2.1	.06		
21	19	28	287	800	367	800	126	80	3.3	16	1.6	.04		
22	19	28	259	647	348	796	124	67	3.0	13	.96	.12		
23	19	26	242	516	328	764	115	57	3.2	10	.96	.12		
24	20	22	230	449	316	723	100	46	2.8	8.4	.72	.18		
25	19	22	216	405	318	609	87	36	2.2	8.4	1.3	.20		
26	19	20	198	375	330	482	78	28	2.0	8.4	1.2	.30		
27	9.0	17	179	350	330	405	70	23	1.8	6.5	1.1	.40		
28	3.7	19	162	342	312	539	67	18	2.8	5.6	.72	.56		
29	3.7	25	146	390	298	654	66	15	3.5	9.6	.56	.56		
30	2.8	28	134	560	-----	626	63	9.6	3.5	15	.52	1.2		
31	2.2	-----	128	768	-----	647	-----	8.1	-----	20	.48	-----		
TOTAL	671.4	277.96	6,314	50,558	18,157	19,418	12,750	6,495.7	145.9	717.9	312.32	34.80		
MEAN	21.7	9.27	204	1,631	626	626	425	210	4.86	23.2	10.1	1.16		
MAX	50	28	346	3,640	1,000	800	1,040	533	15	45	41	7.3		
MIN	2.2	.04	28	157	298	308	63	8.1	1.4	5.6	.48	.04		
CFSM	.02	.008	.19	1.49	.57	.57	.39	.19	.004	.02	.01	.001		
IN.	.02	.009	.21	1.71	.62	.66	.43	.22	.005	.02	.01	.001		
AC-FT	1,330	551	12,520	100,300	36,010	38,520	25,290	12,880	289	1,420	619	69		
CAL YR 1971:	TOTAL	112,193.70	MEAN	307	MAX	2,390	MIN	.04	CFSM	.28	IN.	3.80	AC-FT	222,500
WTR YR 1972:	TOTAL	115,852.98	MEAN	317	MAX	3,640	MIN	.04	CFSM	.29	IN.	3.93	AC-FT	229,800

07349250 Lake Bistineau near Ringgold, La.

LOCATION.--Lat 32°19'46", long 93°26'10", in sec.31, T.16 N., R.10 W., Bossier Parish, 40 feet above dam near right bank on upstream side of bridge on State Highway 154, 8.5 miles west of Ringgold city limits, and 17.0 miles upstream from mouth.

DRAINAGE AREA.--1,443 sq mi.

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

GAGE.--Water-stage recorder and concrete dam. Datum of the gage is 130.00 ft above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height, 11.64 ft Jan. 19; minimum, 5.10 ft Oct. 1.

Period of record: Maximum gage height, 12.91 ft Mar. 25, 1969; minimum, 5.00 ft Oct. 14, 1970.

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft concrete spillway equipped with twelve gates that are 6 ft long and 5 ft high. The flat-crested spillway is 1.75 ft thick. Built onto the spillway is a fish ladder that is 4 ft wide and begins flowing at 4.1 ft gage height. Dam completed in 1935 and enlarged in 1951. Capacity, 120,000 acre-ft at 11 ft gage height. Reservoir is used for flood control and conservation.

REVISIONS.--WRD 1971: Drainage area.

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.22	5.54	5.58	6.20	11.42	11.22	11.29	11.05	10.91	10.71	10.99	10.67
2	5.32	5.54	5.64	6.48	11.43	11.32	11.29	11.12	10.89	10.69	10.97	10.67
3	5.35	5.55	5.72	6.70	11.45	11.29	11.30	11.14	10.88	10.75	10.96	10.71
4	5.43	5.50	5.73	7.30	11.45	11.31	11.42	11.16	10.87	10.93	10.95	10.75
5	5.46	5.45	5.79	7.75	11.44	11.31	11.41	11.16	10.86	10.98	-	10.75
6	5.48	5.45	5.84	8.10	11.51	11.27	11.41	11.16	10.84	10.95	-	10.72
7	5.49	5.54	5.94	8.41	11.59	11.28	11.44	11.16	10.83	10.93	-	10.70
8	5.47	5.45	6.00	8.70	11.54	11.37	11.50	11.16	10.81	10.93	-	10.69
9	5.49	5.46	6.00	9.01	11.52	11.31	11.45	11.17	10.80	10.95	-	10.70
10	5.48	5.45	5.95	9.40	11.49	11.30	11.40	11.17	10.79	10.96	10.86	10.68
11	5.44	5.42	6.05	9.78	11.47	11.30	11.37	11.17	10.79	10.95	10.88	10.65
12	5.44	5.40	6.05	10.10	11.46	11.29	11.33	11.22	10.74	10.95	10.86	10.63
13	5.45	5.38	6.06	10.48	11.44	11.31	11.30	11.25	10.74	10.93	10.85	10.62
14	5.45	5.40	5.96	10.86	11.36	11.31	11.27	11.23	10.78	10.89	10.84	10.61
15	5.45	5.41	6.05	11.16	11.40	11.30	11.25	11.21	10.85	10.89	10.83	10.59
16	5.46	5.42	6.10	11.39	11.36	11.35	11.27	11.17	10.86	10.89	10.81	10.58
17	5.49	5.41	6.19	11.51	11.32	11.34	11.24	11.15	10.85	10.89	10.80	10.55
18	5.50	5.65	6.20	11.59	11.32	11.35	11.19	11.15	10.85	10.90	10.78	10.55
19	5.52	5.82	6.20	11.63	11.27	11.35	11.15	11.12	10.84	10.90	10.76	10.54
20	5.52	5.79	6.24	11.62	11.23	11.35	11.14	11.09	10.82	10.88	10.74	10.53
21	5.52	5.80	6.25	11.58	11.20	11.42	11.17	11.07	10.80	10.87	10.72	10.53
22	5.53	5.78	6.26	11.49	11.25	11.43	11.17	11.06	10.82	10.89	10.71	10.53
23	5.54	5.77	6.20	11.43	11.19	11.41	11.15	11.04	10.83	10.88	10.74	10.52
24	5.55	5.74	6.20	11.37	11.20	11.42	11.15	11.04	10.80	10.87	10.74	10.55
25	5.55	5.68	6.18	11.39	11.19	11.40	11.11	11.04	10.78	10.85	10.75	10.55
26	5.54	5.64	6.15	11.30	11.25	11.35	11.07	11.01	10.76	10.84	10.75	10.55
27	5.51	5.63	6.15	11.26	11.21	11.34	11.05	10.99	10.74	10.80	10.77	10.56
28	5.54	5.59	6.16	11.28	11.18	11.32	11.06	10.98	10.73	10.77	10.76	10.59
29	5.55	5.59	6.12	11.32	11.19	11.35	11.06	10.96	10.73	10.92	10.75	10.59
30	5.54	5.60	6.11	11.43	-----	11.34	11.04	10.97	10.72	11.00	10.72	10.65
31	5.55	-----	6.12	11.41	-----	11.30	-----	10.95	-----	11.01	10.69	-----
MAX	5.55	5.82	6.26	11.63	11.59	11.43	11.50	11.25	10.91	11.01	10.99	10.75
MIN	5.22	5.38	5.58	6.20	11.18	11.22	11.04	10.95	10.72	10.69	10.69	10.52

07349500 Bodcau Bayou near Sarepta, La.

LOCATION.--Lat 32°54'14", long 93°28'58", in NW¼ sec.15, T.22 N., R.11 W., Bossier-Webster Parish line, on left bank on downstream side of bridge on State Highway 2, 2.1 miles northwest of Sarepta, and 9.5 miles upstream from Caney Creek.

DRAINAGE AREA.--546 sq mi.

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1958, published as Bayou Bodcau near Sarepta,

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--34 years, 544 cfs (394,100 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,340 cfs Jan. 6 (gage height, 15.35 ft); minimum, 1.5 cfs June 4, 5 (gage height, 1.66 ft).

Period of record: Maximum discharge, 18,600 cfs May 2, 1958 (gage height, 25.14 ft); minimum, 0.1 cfs at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft Aug. 14-19, 1954.

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.

REMARKS.--Records good. Water used by paper mill at Springhill is pumped from wells and discharged later as waste into bayou approximately 8 miles above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft) 15 miles upstream. Records of water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

REVISIONS.--WSP 1211: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	258	250	492	664	612	131	4.8	4.0	3.5	3.3	4.7
2	4.2	255	260	664	672	693	49	21	2.5	3.0	4.6	3.9
3	3.6	252	303	920	642	705	20	68	2.0	9.0	6.2	3.3
4	3.8	251	310	1,880	618	703	23	60	1.7	18	5.1	9.8
5	4.2	250	303	2,220	669	667	17	91	1.7	28	7.4	11
6	2.9	240	322	2,320	704	626	22	56	1.8	12	13	10
7	2.2	246	365	2,080	692	588	17	12	1.9	6.1	7.4	19
8	3.8	246	427	1,610	684	576	13	4.7	2.5	3.9	4.6	18
9	2.6	258	472	1,390	690	617	9.1	3.4	2.3	3.1	17	8.8
10	2.3	267	466	1,150	687	624	9.1	2.9	2.1	3.1	14	5.0
11	2.3	260	455	915	687	527	7.6	19	1.9	3.2	5.9	3.9
12	2.4	240	407	718	688	402	6.2	13	1.8	3.2	6.9	2.9
13	2.4	270	373	611	674	301	5.4	13	1.8	3.4	8.1	2.6
14	6.6	240	360	551	656	231	5.0	6.7	2.4	3.4	14	2.0
15	14	244	359	505	640	190	4.9	4.5	3.5	3.2	12	1.7
16	5.3	242	345	488	610	120	5.6	3.3	4.3	3.1	7.6	2.2
17	3.4	100	337	512	582	66	4.4	2.5	3.4	3.2	6.7	2.8
18	11	207	326	512	566	38	3.9	2.1	2.8	3.2	6.6	5.2
19	209	243	307	400	560	35	3.5	1.9	2.6	3.2	7.1	4.6
20	313	251	284	453	563	43	3.4	1.9	2.5	3.7	7.5	3.2
21	323	243	265	437	563	49	4.2	1.8	2.1	3.6	5.5	3.7
22	320	227	241	426	609	44	7.4	2.0	3.0	3.4	13	2.9
23	367	220	268	391	649	32	6.1	2.2	3.8	3.0	18	2.4
24	360	258	418	385	657	44	5.3	2.0	3.5	3.2	17	1.9
25	329	280	518	381	645	45	3.9	2.4	3.2	3.2	9.6	1.7
26	343	295	519	381	627	28	3.4	2.2	2.9	2.9	10	1.8
27	358	296	480	384	610	28	4.0	2.5	2.4	2.8	13	1.8
28	362	275	464	408	589	27	4.6	5.5	2.0	2.7	9.1	2.0
29	316	256	472	470	586	76	4.6	5.1	2.5	17	6.7	1.8
30	270	251	480	581	-----	209	4.2	4.5	3.8	13	5.7	1.8
31	262	-----	455	630	-----	218	-----	11	-----	6.8	5.4	-----
TOTAL	4,240.5	7,584	11,640	25,355	18,483	9,164	407.8	432.9	78.7	184.1	278.0	146.4
MEAN	137	253	375	818	637	296	13.6	14.0	2.62	5.94	8.97	4.88
MAX	367	296	519	2,320	704	705	131	91	4.3	28	18	19
MIN	2.3	100	250	381	560	27	3.4	1.8	1.7	2.7	3.3	1.7
AC-FT	8,410	15,040	23,000	50,290	36,660	18,180	809	859	156	365	551	290

CAL YR 1971 TOTAL 70,268.2 MEAN 193 MAX 1,140 MIN 1.9 AC-FT 139,400
 WTR YR 1972 TOTAL 77,994.4 MEAN 213 MAX 2,320 MIN 1.7 AC-FT 154,700

PEAK DISCHARGE (BASE, 3,000 CFS).--No peak above the base.

07349500 Bodcau Bayou near Sarepta, La.--Continued

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	6.19	6.11	8.12	9.33	8.99	4.70	1.89	1.84	1.82	1.80	1.89
2	1.86	6.16	6.21	9.34	9.38	9.53	3.23	2.47	1.75	1.78	1.87	1.84
3	1.82	6.13	6.61	10.87	9.19	9.61	2.45	3.67	1.70	1.99	1.96	1.80
4	1.94	6.12	6.68	14.24	9.03	9.60	2.53	3.50	1.67	2.38	1.91	2.11
5	1.86	6.11	6.61	15.16	9.37	9.36	2.35	4.10	1.68	2.69	2.01	2.17
6	1.94	6.10	6.78	15.31	9.60	9.08	2.50	3.38	1.69	2.19	2.21	2.12
7	2.00	6.07	7.39	14.94	9.52	8.82	2.35	2.19	1.70	1.96	2.01	2.42
8	1.93	6.07	7.64	14.18	9.47	8.73	2.21	1.89	1.74	1.84	1.88	2.37
9	1.75	6.19	7.83	13.21	9.50	9.02	2.08	1.81	1.73	1.79	2.33	2.07
10	1.73	6.28	7.93	12.15	9.49	9.06	2.08	1.77	-	1.79	2.24	1.99
11	1.73	6.30	7.85	10.91	9.49	8.38	2.02	2.39	-	1.80	1.95	1.84
12	1.74	6.30	7.49	9.69	9.49	7.44	1.96	2.23	-	1.80	2.00	1.79
13	1.73	6.31	7.21	8.97	9.40	6.59	1.92	2.22	-	1.81	2.05	1.76
14	2.10	6.09	7.09	8.55	9.28	5.92	1.90	1.98	-	1.81	2.25	1.73
15	2.25	6.05	7.09	8.22	9.17	5.47	1.90	1.88	-	1.80	2.19	1.70
16	1.91	6.02	6.99	9.10	8.97	4.55	1.93	1.80	-	1.79	2.02	1.74
17	1.91	5.57	6.91	8.27	8.77	3.63	1.87	1.75	1.81	1.80	1.99	1.77
18	2.05	5.65	6.82	8.27	8.66	3.00	1.84	1.71	1.77	1.80	1.98	1.91
19	5.62	6.04	6.64	8.11	8.61	2.90	1.82	1.70	1.75	1.80	2.00	1.88
20	6.70	6.12	6.44	7.84	8.64	3.14	1.81	1.70	1.74	1.83	2.02	1.80
21	6.87	6.04	6.26	7.72	8.64	3.29	1.86	1.69	1.72	1.82	1.93	1.83
22	6.84	5.88	6.22	7.63	8.96	3.16	2.01	1.71	1.78	1.81	2.20	1.79
23	7.16	5.80	6.29	7.36	9.23	2.82	1.96	1.73	1.84	1.78	2.39	1.75
24	7.10	6.19	7.56	7.31	9.29	3.14	1.92	1.71	1.82	1.80	2.36	1.72
25	6.84	6.48	8.31	7.28	9.21	3.15	1.84	1.74	1.80	1.80	2.10	1.70
26	6.96	6.54	9.32	7.28	9.09	2.68	1.81	1.72	1.78	1.78	2.13	1.71
27	7.09	6.54	8.04	7.30	8.97	2.68	1.85	1.74	1.74	1.77	2.21	1.71
28	7.03	6.35	7.92	7.49	8.82	2.67	1.88	1.92	1.70	1.76	2.08	1.73
29	6.72	6.17	7.99	7.96	8.80	3.75	1.88	1.91	1.75	2.32	1.98	1.71
30	6.39	6.12	8.04	8.76	-----	5.68	1.86	1.87	1.84	2.21	1.94	1.71
31	6.23	-----	7.86	9.11	-----	5.78	-----	2.14	-----	1.99	1.92	-----
MAX	7.16	6.54	8.32	15.31	9.60	9.61	4.70	4.10	-	2.69	2.39	2.42
MIN	1.73	5.57	6.11	7.28	8.61	2.67	1.81	1.69	1.67	1.76	1.80	1.70

RED RIVER BASIN

07349800 Cypress Bayou near Benton, La.

LOCATION.--Lat 32°42'24", long 93°41'17", in NW 1/4 sec. 23, T.20 N., R.13 W., Bossier Parish, near right bank on downstream side of bridge on State Highway 162, 1.7 miles upstream from Little Caney Bayou, and 3.1 miles east of Benton.

DRAINAGE AREA.--133 sq mi.

PERIOD OF RECORD.--October 1955 to October 1968, May 1969 to current year. Nov. 8, 1938, to Nov. 30, 1946, and Jan. 29, 1948, to Oct. 31, 1952, daily gage heights and occasional discharge measurements in files of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and concrete control. Datum of the gage is 165.98 ft above mean sea level (authority, Corps of Engineers).

AVERAGE DISCHARGE.--16 years (1955-68, 1969-72), 82.9 cfs (8.46 inches per year, 60,060 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,560 cfs Jan. 5 (gage height, 12.15 ft); no flow on many days.

Period of record: Maximum discharge, 8,350 cfs Apr. 27, 1958 (gage height, 15.18 ft); no flow for long periods of most years.

REMARKS.--Records good. Since October 1961, flow regulated by 3 flood-control reservoirs above station (combined capacity of reservoirs, 1,784 acre-ft). Records of water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

REVISIONS.--WSP 1561: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	.12	13	66	454	23	18	.70		0	15	
2	1.1	.13	13	385	347	67	13	21		0	5.0	
3	.75	.09	13	595	211	139	11	163		0	1.5	
4	1.8	.04	39	1,380	146	164	13	268		0	.38	
5	1.4	.03	55	2,350	108	108	60	209		0	0	
6	2.7	.02	65	1,770	88	69	76	67		0	0	
7	4.8	.01	142	1,260	81	54	41	24		0	0	
8	3.8	0	182	962	76	43	24	14		0	0	
9	2.7	0	172	711	63	35	17	9.0		0	0	
10	1.8	0	125	495	51	47	12	6.5		0	0	
11	1.1	0	99	337	45	36	8.5	4.8		0	0	
12	.74	0	96	239	46	29	6.2	5.2		0	0	
13	.48	.34	84	180	54	26	5.4	9.6		0	0	
14	.32	.56	77	142	64	24	5.9	24		0	0	
15	.79	8.9	97	114	57	27	4.4	20		0	0	
16	.63	13	137	89	49	35	4.3	9.4		0	0	
17	.89	13	148	68	43	41	2.6	5.0		0	0	
18	1.5	22	118	60	40	41	1.8	2.9		0	0	
19	4.1	41	85	59	34	33	1.2	1.9		0	0	
20	6.4	64	61	60	27	26	.96	1.2		0	0	
21	7.8	47	46	57	24	24	1.1	1.2		0	0	
22	6.1	33	39	52	23	23	.78	.91		0	0	
23	3.0	26	32	47	23	22	.62	.62		0	0	
24	1.9	23	26	43	29	20	.57	.42		0	0	
25	1.4	24	23	39	36	17	.54	.20		0	0	
26	1.0	25	21	35	33	17	.53	.13		0	0	
27	.68	24	19	28	28	19	.56	.06		0	0	
28	.54	23	17	28	24	31	.49	.02		0	0	
29	.50	27	15	86	23	23	.49	.01		10	0	
30	.36	16	18	331	-----	19	.46	.02		130	0	
31	.21	-----	16	441	-----	24	-----	0	-----	50	0	-----
TOTAL	63.19	426.24	2,092	12,509	2,327	1,306	332.40	869.79	0	190	21.88	0
MEAN	2.04	14.2	67.5	404	80.2	42.1	11.1	28.1	0	6.13	.71	0
MAX	7.8	64	182	2,350	454	164	76	268	0	130	15	0
MIN	.21	0	13	28	23	17	.46	0	0	0	0	0
CFSM	.02	.11	.51	3.04	.60	.32	.08	.21	0	.05	.005	0
IN.	.02	.12	.59	3.50	.65	.37	.09	.24	0	.05	.006	0
AC-FT	125	845	4,150	24,810	4,620	2,590	659	1,730	0	377	43	0
CAL YR 1971	TOTAL	13,990.62	MEAN	38.3	MAX	182	MIN	0	CFSM	.29	IN	3.91
WTR YR 1972	TOTAL	20,137.50	MEAN	55.0	MAX	2,350	MIN	0	CFSM	.41	IN	5.63
									AC-FT	27,750		
									AC-FT	39,940		

PEAK DISCHARGE (BASE, 1,000 CFS).--Jan. 5 (0500) 2,560 cfs (12.15 ft). NOTE.--No gage-height record July 2 to Aug. 3.

07349800 Cypress Bayou near Benton, La.--Continued

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	1.74	2.30	3.71	8.49	2.57	2.44	1.84	1.63	1.38	-	1.43
2	1.89	1.74	2.37	8.01	7.66	3.89	2.32	2.50	1.59	-	-	1.49
3	1.95	1.73	2.41	9.30	6.34	5.30	2.29	5.64	1.58	-	-	1.43
4	1.74	1.71	3.24	11.24	5.44	5.72	2.32	6.98	1.58	-	1.73	1.43
5	1.91	1.70	3.68	12.07	4.74	4.74	3.68	6.29	1.57	-	1.56	1.43
6	1.98	1.60	3.01	11.61	4.35	3.96	4.11	3.86	1.56	-	1.52	1.49
7	2.10	1.68	5.41	11.05	4.21	3.61	3.22	2.65	1.55	-	1.50	1.43
8	2.06	1.66	6.05	10.52	4.12	3.31	2.62	2.35	1.55	-	1.50	1.49
9	2.00	1.66	5.89	9.85	3.83	3.08	2.41	2.23	1.55	-	1.49	1.49
10	1.95	1.65	5.15	8.80	3.53	3.41	2.30	2.16	1.55	-	1.49	1.43
11	1.89	1.64	4.61	7.63	3.37	3.11	2.22	2.10	1.54	-	1.49	1.43
12	1.85	1.64	4.57	6.74	3.38	2.86	2.15	2.11	1.54	-	1.49	1.43
13	1.82	1.77	4.33	6.00	3.61	2.77	2.12	2.24	1.54	-	1.49	1.43
14	1.79	1.84	4.19	5.42	3.86	2.69	2.14	2.65	1.54	-	1.49	1.43
15	1.86	2.22	4.60	4.93	3.68	2.80	2.08	2.50	1.54	-	1.49	1.43
16	1.84	2.34	5.34	4.43	3.46	3.07	2.08	2.24	1.54	-	1.49	1.49
17	1.86	2.34	5.53	4.02	3.31	3.23	2.00	2.10	1.54	-	1.49	1.49
18	1.93	2.62	5.02	3.82	3.20	3.24	1.95	2.01	1.54	-	1.49	1.49
19	2.07	3.25	4.35	3.78	3.02	2.99	1.90	1.95	1.54	-	1.49	1.43
20	2.16	3.87	3.82	3.74	2.81	2.76	1.88	1.90	-	-	1.49	1.43
21	2.19	3.44	3.45	3.68	2.65	2.66	1.89	1.90	-	-	1.49	1.43
22	2.14	3.02	3.24	3.55	2.55	2.58	1.86	1.87	-	-	1.49	1.43
23	2.02	2.70	3.04	3.40	2.56	2.53	1.84	1.84	1.30	-	1.50	1.49
24	1.96	2.62	2.83	3.31	2.85	2.47	1.83	1.81	1.30	-	1.50	1.43
25	1.92	2.73	2.67	3.19	3.10	2.41	1.83	1.77	1.39	-	1.50	1.43
26	1.88	2.78	2.55	3.05	2.95	2.41	1.83	1.74	1.38	-	1.49	1.49
27	1.85	2.68	2.50	2.82	2.83	2.45	1.83	1.71	1.38	-	1.49	1.43
28	1.83	2.61	2.47	2.82	2.66	2.90	1.82	1.69	1.38	-	1.49	1.43
29	1.92	2.56	2.43	4.22	2.57	2.58	1.82	1.68	1.38	-	1.49	1.43
30	1.80	2.43	2.40	7.52	-----	2.49	1.81	1.69	1.38	-	1.49	1.43
31	1.77	-----	2.44	8.40	-----	2.64	-----	1.66	-----	-	1.49	-----
MAX	2.19	3.87	6.05	12.07	8.49	5.72	4.11	6.98	1.63	-	-	1.43
MIN	1.77	1.64	2.37	2.82	2.55	2.41	1.81	1.66	1.38	-	1.49	1.43

07350000 Loggy Bayou near Ninock, La.

LOCATION.--Lat 32°14'10", long 93°25'35", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.15 N., R.10 W., Bienville-Bossier Parish line, near center of span on downstream side of bridge on U. S. Highway 71, 0.3 mile downstream from Flat River, 1.9 miles southeast of Ninock, and 7.5 miles upstream from mouth.

DRAINAGE AREA.--2,628 sq mi.

PERIOD OF RECORD.--October 1948 to December 1960. January 1961 to September 1964 (annual maximum). January 1961 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft above mean sea level (levels by Corps of Engineers). Prior to Mar. 29, 1949, and June 30 to Sept. 24, 1951, nonrecording gage, at same site and datum. Sept. 15, 1955, to Sept. 30, 1964, auxiliary water-stage recorder 6.0 miles downstream at datum 100.21 ft above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum gage height, 33.80 ft Dec. 17; minimum gage height not determined, occurred during period of no gage-height record.

Period of record: Maximum gage height, 47.83 ft May 8, 1958; minimum gage height, 9.46 ft Oct. 23-25, 1956.

1948-64: Maximum discharge, 32,600 cfs May 4, 1958; no flow at times due to severe backwater conditions.

REMARKS.--Some regulation by Lake Bistineau since 1935 (see station 07349250) and of flood flows by Bodcau Bayou Reservoir (capacity, 967,900 acre-ft) since July 1949.

REVISIONS.--WSP 1211: Drainage area.

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.03	19.20	16.46	27.14	23.36	18.95	17.14	17.34	13.25	13.29	14.30	11.55
2	12.00	18.72	16.49	27.22	23.34	19.25	17.01	16.84	13.61	13.42	13.60	11.49
3	11.59	18.34	16.88	27.28	23.08	19.00	16.49	16.44	13.88	13.49	13.28	-
4	12.11	18.04	16.22	28.06	22.53	18.68	16.27	16.03	13.88	13.92	13.35	11.81
5	13.50	17.78	16.04	27.78	22.14	18.75	16.34	15.93	13.60	14.04	13.46	-
6	14.16	17.65	16.56	27.40	22.29	18.64	16.50	16.12	13.12	13.69	13.40	-
7	13.99	17.50	17.11	27.00	22.41	18.43	16.60	16.35	12.84	13.37	13.09	-
8	13.57	17.25	18.16	26.56	22.18	18.27	16.93	16.46	12.65	13.26	12.61	-
9	13.27	17.20	20.95	26.20	21.96	17.83	16.67	16.62	12.50	13.43	12.13	-
10	13.20	17.38	22.65	26.09	21.82	17.44	16.17	16.82	12.39	13.54	11.70	-
11	13.53	17.68	24.55	25.96	21.73	17.15	15.84	16.59	12.39	13.06	11.54	-
12	14.30	17.90	27.18	25.92	21.61	16.93	15.85	15.95	12.66	12.45	11.53	-
13	14.95	17.97	29.38	25.77	21.40	16.71	15.89	15.65	12.66	12.09	11.57	-
14	15.03	17.99	31.00	25.46	21.14	16.54	15.60	15.36	12.38	11.92	11.54	-
15	14.75	17.86	32.32	25.17	21.00	16.39	15.06	15.00	12.50	11.77	11.50	-
16	14.32	17.62	33.32	24.80	20.89	17.07	15.01	14.59	13.05	11.66	11.49	-
17	13.95	17.34	33.79	24.70	20.71	17.76	14.85	14.27	13.40	11.62	11.49	-
18	13.70	17.70	33.50	24.58	20.53	17.18	14.47	14.09	13.54	11.60	11.48	-
19	13.51	17.81	32.50	24.44	20.25	17.17	14.18	13.96	13.50	11.56	11.47	-
20	13.28	17.38	31.47	24.19	20.99	17.16	14.20	14.46	13.14	11.55	-	-
21	13.15	17.20	30.81	23.88	22.07	17.70	14.45	15.43	12.60	11.58	-	-
22	13.45	17.06	30.32	23.60	22.30	17.97	14.70	15.55	12.42	11.96	-	-
23	14.93	16.82	30.00	23.27	22.03	18.04	14.64	14.97	12.70	12.16	-	-
24	22.16	16.95	29.70	22.94	21.45	17.85	14.32	14.29	12.72	12.08	-	-
25	24.55	18.28	29.44	22.65	20.73	17.55	14.28	13.98	12.48	11.93	-	-
26	24.27	18.94	29.14	22.14	20.19	17.29	14.25	13.95	12.38	11.72	-	11.77
27	22.90	18.62	28.85	21.83	19.77	17.10	16.07	13.89	12.38	11.59	-	12.10
28	21.62	17.96	28.62	21.86	19.23	16.85	19.01	13.87	12.25	11.88	-	12.37
29	20.86	17.22	28.50	22.17	18.98	17.09	19.06	13.70	12.38	12.79	-	12.82
30	20.30	16.65	28.24	22.93	-----	17.43	18.25	13.18	12.88	15.44	11.44	13.08
31	19.78	-----	27.60	23.24	-----	17.27	-----	12.99	-----	15.25	11.52	-----
MAX	24.55	19.20	33.79	28.06	23.36	19.25	19.06	17.34	13.88	15.44	14.30	13.08
MIN	11.59	16.65	16.04	21.83	18.98	16.39	14.18	12.99	12.25	11.55	-	-

07351000 Boggy Bayou near Keithville, La.

LOCATION.--Lat 32°22'35", long 93°49'17", in NW¼SE¼ sec.17, T.16 N., R.14 W., Caddo-DeSoto Parish line, near right bank on downstream side of bridge on U. S. Highway 171, 0.4 mile downstream from Gilmer Bayou, 3 miles north of Keithville, and 5 miles upstream from mouth.

DRAINAGE AREA.--79 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 145.13 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 7, 1949, and Jan. 19 to Apr. 7, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years (1939-72), 68.6 cfs (11.79 inches per year, 49,700 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,370 cfs Jan. 4 (gage height, 16.54 ft); no flow part or all of each day Nov. 14-18, Sept. 17-19; minimum gage height, 8.37 ft Sept. 18, 19.

Period of record: Maximum discharge, 14,800 cfs Jan. 5, 1946 (gage height, 20.2 ft, from graph based on gage readings), from rating curve extended above 5,200 cfs by velocity-area studies; no flow at times in 1939-40, 1942-44, 1947-49, 1951-60, 1962-67, 1970-72.

Maximum stage known, 26.7 ft in 1933, from floodmark.

REMARKS.--Records fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1211: 1939-45, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	.04	.04	.76	37	50	7.3	5.8	7.8	.19	.80	50	.73		
2	.02	.04	3.6	274	30	165	5.5	177	.16	3.2	16	.54		
3	4.4	.04	31	263	22	197	5.5	203	.15	4.9	8.8	1.6		
4	17	.04	35	1,090	15	73	6.9	6.9	.14	26	6.2	2.6		
5	7.8	.02	18	1,150	11	36	6.9	21	.10	8.6	6.1	4.3		
6	12	.02	47	442	41	20	6.9	9.7	.07	3.8	4.6	5.3		
7	4.1	.01	102	125	132	14	6.1	7.0	.05	1.7	3.4	2.5		
8	1.6	.01	62	61	77	12	5.5	6.1	.04	.60	2.6	1.1		
9	.51	.04	21	39	38	9.9	4.9	5.4	1.0	.37	2.0	.58		
10	.25	.03	15	32	23	8.7	4.3	4.6	8.7	2.2	1.4	.40		
11	.17	.03	15	26	17	8.1	3.8	4.0	2.1	5.4	1.2	.29		
12	.12	.02	10	19	20	8.0	4.5	11	.61	4.0	.85	.15		
13	.07	.02	6.1	15	32	7.8	4.8	74	.42	1.7	1.9	.09		
14	.04	.01	4.7	12	28	7.6	3.5	37	.51	.61	16	.34		
15	.02	0	5.0	9.7	18	11	3.5	10	.88	.33	11	.33		
16	.02	0	14	8.0	14	26	5.1	6.2	.90	.17	4.0	.02		
17	.02	0	17	7.0	12	10	4.8	4.8	2.4	.09	2.1	0		
18	.03	40	9.6	6.0	10	7.8	4.0	3.8	5.9	.07	1.1	0		
19	.06	61	7.0	6.7	8.9	6.9	2.9	3.0	2.1	.05	2.1	0		
20	.05	29	5.2	6.7	8.1	6.6	2.0	2.5	.74	.03	.62	.01		
21	.05	7.0	4.3	6.9	7.8	13	4.3	1.9	.64	.39	.41	0		
22	.03	3.8	3.8	6.9	7.6	16	7.3	1.5	.93	3.3	.34	1.0		
23	.09	3.2	3.2	6.9	7.6	13	8.4	1.2	1.6	.32	.43	2.2		
24	2.1	2.7	2.9	6.6	7.8	9.5	5.5	.97	1.4	.07	1.9	.72		
25	1.2	2.8	2.8	6.3	7.6	9.9	6.0	.78	.58	.06	3.5	.33		
26	.41	2.2	2.5	6.0	7.5	9.5	3.8	.60	.36	.04	1.8	.39		
27	.18	1.1	2.2	5.7	7.0	8.7	1.8	.49	.22	.29	3.1	.64		
28	.11	.75	2.2	6.0	6.6	8.0	3.1	.46	.13	.11	5.3	1.1		
29	.06	.66	2.1	18	6.4	7.3	4.2	.41	.08	.84	2.3	.99		
30	.07	.69	2.2	110	-----	6.9	4.9	.32	.06	313	.91	2.2		
31	.05	-----	2.2	106	-----	6.3	-----	.24	-----	162	.52	-----		
TOTAL	52.67	154.27	454.36	3,914.4	672.9	750.8	146.5	675.77	33.16	628.20	162.48	30.35		
MEAN	1.70	5.14	14.7	126	23.2	24.2	4.88	21.8	1.11	20.3	5.24	1.01		
MAX	17	61	102	1,150	132	197	8.4	203	8.7	313	50	5.3		
MIN	.02	0	.76	5.7	6.4	6.3	1.8	.24	.04	.03	.34	0		
CFSM	.02	.07	.19	1.59	.29	.31	.06	.28	.01	.26	.07	.01		
IN.	.02	.07	.21	1.84	.32	.35	.07	.32	.02	.30	.08	.01		
AC-FT	104	306	901	7,760	1,330	1,490	291	1,340	66	1,250	322	60		
CAL YR 1971	TOTAL 4,871.36		MEAN 13.3		MAX 691		MIN 0		CFSM .17		IN 2.29		AC-FT 9,660	
WTR YR 1972	TOTAL 7,675.86		MEAN 21.0		MAX 1,150		MIN 0		CFSM .27		IN 3.51		AC-FT 15,230	

PEAK DISCHARGE (BASE, 1,400 CFS).--No peak above the base.

07352000 Saline Bayou near Lucky, La.

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

DRAINAGE AREA.--154 sq mi.

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

GAGE.--Duplex water-stage recorder (rain gage and water stage combination). Datum of gage is 152.65 ft above mean sea level. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949, to Apr. 26, 1971, water-stage recorder, at same site and datum.

AVERAGE DISCHARGE.--32 years, 156 cfs (13.76 inches per year, 113,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,420 cfs Jan. 4 (gage height, 8.23 ft); minimum, 17 cfs Oct. 2 (gage height, 2.83 ft).
Period of record: Maximum discharge, 13,500 cfs Jan. 1, 1945 (gage height, 12.9 ft), from rating curve extended above 6,400 cfs on basis of records for Black Lake Bayou near Castor and Dugdenona River near Jonesboro; minimum, 2.4 cfs Aug. 14, 1954; minimum gage height, 1.66 ft Aug. 7, 8, 1954.

REMARKS.--Records poor. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS.--WSP 1177: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	34	69	131	430	93	94	59	48	44	46	25
2	18	35	80	219	390	154	81	102	45	47	35	26
3	18	37	167	774	258	219	74	100	33	50	33	26
4	18	37	223	1,920	179	173	77	115	31	118	31	34
5	35	38	358	2,260	150	138	76	97	39	219	28	50
6	50	39	445	1,700	190	117	88	71	44	113	26	42
7	38	42	425	1,180	425	105	88	58	44	56	25	35
8	43	43	450	879	420	101	75	56	45	40	24	38
9	35	44	475	664	346	97	66	54	46	35	22	34
10	29	44	410	550	236	91	58	52	46	36	23	32
11	25	44	270	712	171	86	53	52	48	64	23	30
12	23	44	216	730	170	84	48	73	48	52	27	27
13	22	44	270	646	177	84	48	106	50	40	31	26
14	22	45	326	450	165	83	46	93	56	42	34	26
15	22	46	400	282	151	84	52	81	58	40	33	25
16	23	46	370	188	138	101	104	64	56	38	30	25
17	26	46	700	155	135	111	77	52	48	40	29	27
18	31	82	816	148	151	119	58	47	46	40	27	33
19	35	180	754	146	138	104	54	46	46	40	26	31
20	38	230	712	157	122	88	46	46	45	38	25	31
21	36	274	520	169	111	98	63	46	44	42	24	38
22	36	164	298	171	106	112	113	46	46	54	24	40
23	49	106	186	160	104	118	80	46	50	50	27	40
24	60	87	144	148	104	107	63	46	48	44	38	41
25	40	76	129	136	103	108	55	46	44	42	35	43
26	38	70	122	124	101	98	43	46	44	40	34	50
27	34	66	118	113	97	89	46	47	43	38	38	124
28	33	66	114	109	92	88	53	47	42	36	35	475
29	33	75	110	128	89	114	59	48	42	66	30	190
30	34	76	110	310	-----	131	57	49	42	115	27	100
31	35	-----	110	400	-----	119	-----	48	-----	90	25	-----
TOTAL	1,010	2,260	9,897	15,859	5,449	3,414	1,995	1,939	1,367	1,809	915	1,770
MEAN	32.6	75.3	319	512	188	110	66.5	62.5	45.6	58.4	29.5	59.0
MAX	66	274	816	2,260	430	219	113	115	58	219	46	475
MIN	18	34	69	109	89	83	43	46	31	35	22	25
CFSM	.21	.49	2.07	3.32	1.22	.71	.43	.41	.30	.38	.19	.38
IN.	.24	.55	2.39	3.83	1.32	.82	.48	.47	.33	.44	.22	.43
AC-FT	2,000	4,480	19,630	31,460	10,810	6,770	3,960	3,850	2,710	3,590	1,810	3,510
(††)	2.20	2.81	6.84	6.56	2.15	1.98	2.86	2.35	1.87	7.22	1.30	4.97
CAL YR 1971: TOTAL	37,141.2				900		5.4		8.97		73,670	
WTR YR 1972: TOTAL	47,684				2,260		18		11.52		94,580	

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-4	2200	8.23	2,420				

†† Precipitation, in inches, during month at rain gage at station. Total for water year 1972, 43.11 inches.

07352800 Grand Bayou near Coushatta, La.

LOCATION.--Lat 32°02'55", long 93°18'10", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.12 N., R.9 W., Red River Parish, near right bank on downstream side of bridge on State Highway 155, 0.5 mile upstream from Carrol Creek, and 3.3 miles north of Coushatta.

DRAINAGE AREA.--93.9 sq mi.

PERIOD OF RECORD.--October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft above mean sea level.

AVERAGE DISCHARGE.--16 years, 76.0 cfs (10.99 inches per year, 55,060 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,170 cfs Jan. 5 (gage height, 9.24 ft); no flow on many days.

Period of record: Maximum discharge, 7,920 cfs Sept. 21, 1958 (gage height, 11.47 ft), from rating curve extended above 3,200 cfs on basis of velocity-area study; no flow at times each year.

REMARKS.--Records fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	.10	4.6	30	389	31	35	1.7	.04	.02	.06	0
2	1.9	.10	12	143	288	142	23	7.9	.04	.02	.04	0
3	1.7	.12	68	320	146	197	17	23	.03	.02	.02	0
4	2.3	.18	180	1,480	79	174	14	13	.03	.20	.02	.04
5	2.6	.16	290	1,960	59	96	15	5.9	.02	.05	.01	.12
6	2.5	.14	350	1,140	71	60	12	3.9	.02	.03	.01	.24
7	1.6	.12	450	726	265	42	8.9	2.6	.01	.02	.01	.72
8	1.2	.16	400	503	500	33	7.5	2.7	.02	.02	.01	.02
9	.81	.20	300	270	541	28	6.4	2.0	.03	.02	0	.01
10	.48	.24	200	127	363	24	5.1	1.6	.03	.03	0	.01
11	.34	.30	135	129	169	20	3.7	1.4	.02	.04	.02	0
12	.70	.22	140	244	105	16	2.8	9.7	.01	.06	.01	0
13	.19	.18	160	301	150	14	3.1	65	.01	.04	.01	0
14	.16	.14	104	255	132	14	2.9	48	.04	.03	.01	0
15	.16	.10	91	106	89	13	2.8	19	.04	.02	.01	0
16	.16	.06	90	62	71	33	2.7	8.4	.03	.02	0	0
17	.22	.09	700	45	58	56	3.3	4.6	.02	.05	.01	0
18	.36	10	507	38	59	52	3.9	2.6	.02	.05	.01	0
19	.28	69	738	36	108	29	6.6	1.6	.02	.02	.02	0
20	.20	200	631	40	103	19	5.9	1.2	.01	.02	.02	0
21	2.0	154	410	57	61	122	16	1.0	.01	.04	.01	0
22	2.2	66	175	74	45	218	63	.69	.03	.10	0	0
23	1.8	28	73	69	39	200	40	.54	.04	.04	.04	.02
24	.74	15	50	57	35	96	22	.49	.03	.02	.04	.04
25	.34	10	40	46	31	65	8.1	.41	.03	.02	.04	.04
26	.30	7.6	34	36	29	67	6.1	.29	.03	.01	.03	.79
27	.24	6.6	32	28	25	51	3.4	.25	.03	.01	.02	1.7
28	.22	5.8	29	24	22	41	1.7	.20	.02	.01	.02	11
29	.24	4.6	26	58	20	102	.98	.14	.02	.17	.02	11
30	.20	4.0	25	319	-----	110	1.7	.12	.02	.26	0	3.0
31	.16	-----	24	381	-----	61	-----	.06	-----	.14	0	-----
TOTAL	28.19	623.21	6,468.6	9,004	4,051	2,226	344.58	230.00	.75	1.60	.52	27.85
MEAN	.91	20.8	209	290	140	71.8	11.5	7.42	.025	.052	.017	.93
MAX	2.6	200	738	1,860	541	218	63	65	.04	.26	.06	11
MIN	.16	.06	4.6	24	20	13	.98	.06	.01	.01	0	0
CFSM	.010	.22	2.23	3.09	1.49	.76	.12	.08	.0003	.0006	.0002	.010
IN.	.01	.25	2.56	3.57	1.60	.88	.14	.09	0	0	0	.01
AC-FT	56	1,240	12,830	17,860	8,040	4,420	683	456	1.5	3.2	1.0	55
CAL YR 1971	TOTAL 17,438.01	MEAN 47.8	MAX 897	MIN 0	CFSM .51	IN 6.31	AC-FT 34,590					
WTR YR 1972	TOTAL 23,006.30	MEAN 62.9	MAX 1,860	MIN 0	CFSM .67	IN 9.11	AC-FT 45,630					

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-19	0645	8.06	762	2-8	2000	7.76	592
1-5	0100	9.24	2,170				

07353000 Saline Bayou near Clarence, La.

LOCATION.--Lat 31°49'05", long 92°56'55", in SE¼ sec.26, T.10 N., R.6 W., Natchitoches-Winn Parish line, near center of span on downstream side of bridge on U.S. Highway 84, 1.8 miles downstream from Bayou Bourbeaux, 4.0 miles downstream from Allen Dam, 4.6 miles east of Clarence, and 6.7 miles upstream from mouth.

DRAINAGE AREA.--1,386 sq mi.

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 72.75 ft above mean sea level (levels by Louisiana Department of Public Works). Prior to Nov. 2, 1954, nonrecording gage at same site and datum. Supplementary water-stage recorder 6.8 miles upstream. Datum of supplementary gage is 94.49 ft above mean sea level. Prior to Nov. 3, 1954, auxiliary nonrecording gage and Nov. 3, 1954, to Dec. 3, 1969, auxiliary water-stage recorder 5.3 miles downstream at datum 72.97 ft above mean sea level.

AVERAGE DISCHARGE.--23 years, 1,165 cfs (844,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, about 4,100 cfs Jan. 6; maximum gage height, 27.29 ft Dec. 19; minimum discharge (unaffected by backwater), 1.3 cfs Sept. 27.

Period of record: Maximum discharge, 14,200 cfs May 19, 1953; maximum daily reverse flow, 6,570 cfs May 11, 1958 (backwater from Red River); maximum gage height, 40.46 ft May 21, 1953; minimum discharge (unaffected by backwater), 1.3 cfs Sept. 27, 1972. Flood in April 1945 reached a stage of 43.6 ft, from information by local resident.

REMARKS.--Records good except those for Dec. 8 to Jan. 26 which are poor. Some regulation prior to Aug. 15 and considerable regulation thereafter by Saline Lake-Black Lake (combined usable capacity, 161,000 acre-ft). Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237	70	313	1,600	2,040	677	1,020	352	133	241	1,950	3.2
2	214	69	389	2,400	2,120	790	958	444	114	238	1,980	2.8
3	216	60	504	3,300	2,170	712	796	451	99	200	1,930	2.7
4	229	43	493	3,600	2,070	727	705	432	83	445	1,870	2.5
5	236	35	605	3,900	1,990	750	662	418	66	489	1,820	2.5
6	216	37	868	4,000	1,950	748	636	411	60	444	1,740	2.3
7	192	35	976	4,000	1,910	749	631	416	81	393	1,490	2.2
8	170	27	1,100	3,800	1,870	764	600	425	128	361	941	2.1
9	165	30	1,300	3,600	1,930	734	546	410	189	356	441	2.0
10	143	27	1,500	3,400	2,030	700	492	383	269	341	126	24
11	115	24	1,600	3,300	2,120	662	471	359	305	324	120	249
12	103	22	1,700	3,100	2,220	625	439	447	330	314	118	345
13	99	20	1,700	2,900	2,170	606	404	528	369	290	121	235
14	88	18	1,700	2,700	2,060	570	371	531	416	271	118	6.8
15	81	18	1,650	2,600	2,010	553	356	514	471	246	118	2.0
16	84	18	1,600	2,400	1,940	623	378	559	506	231	96	1.6
17	96	15	1,500	2,300	1,850	573	324	613	514	234	20	1.5
18	98	84	1,450	2,200	1,790	584	285	557	507	225	4	1.4
19	141	128	1,400	2,000	1,660	564	259	506	491	197	2.5	1.4
20	133	128	1,300	1,900	1,550	570	246	464	479	760	2.1	1.4
21	134	149	1,200	1,800	1,500	735	335	414	460	2,120	2.0	1.4
22	128	168	1,100	1,750	1,480	770	454	376	450	2,310	1.9	1.4
23	123	226	1,050	1,700	1,360	810	478	338	436	2,280	1.9	1.4
24	114	264	1,000	1,650	1,210	881	510	299	420	2,210	1.8	1.4
25	102	272	980	1,600	1,080	954	491	266	394	2,000	1.7	1.4
26	92	283	960	1,550	977	925	443	233	375	1,870	60	1.4
27	88	292	940	1,580	869	950	410	199	333	1,920	311	1.4
28	85	301	940	1,510	772	977	398	176	308	2,010	314	1.6
29	85	322	1,000	1,530	711	1,080	378	166	290	1,990	268	1.5
30	81	303	1,200	1,810	-----	1,050	347	192	266	1,970	116	268
31	75	-----	1,400	1,920	-----	1,050	-----	159	-----	1,940	9.6	-----
TOTAL	4,163	3,488	35,418	77,400	49,409	23,463	14,823	12,038	9,342	29,220	16,095.5	1,172.3
MEAN	134	116	1,143	2,497	1,704	757	494	388	311	943	519	39.1
MAX	237	322	1,700	4,000	2,220	1,080	1,020	613	514	2,310	1,980	345
MIN	75	15	313	1,510	711	553	246	159	60	197	1.7	1.4
AC-FT	8,260	6,920	70,250	153,500	98,000	46,540	29,400	23,880	18,530	57,960	31,920	2,320
CAL YR 1971	TOTAL	218,226.0	MEAN	598	MAX	2,950	MIN	9.0	AC-FT	432,900		
WTR YR 1972	TOTAL	276,031.8	MEAN	754	MAX	4,000	MIN	1.4	AC-FT	547,500		

NOTE.--No gage-height record Dec. 8 to Jan. 26.

07354000 Little Sandy Creek at Kisatchie, La.

LOCATION.--Lat 31°24'30", long 93°10'15", in SE¼ sec.15, T.5 N., R.8 W., Natchitoches Parish, near right bank at downstream side of bridge on State Highway 117, 0.5 mile south of Kisatchie, and 2 miles upstream from mouth.

DRAINAGE AREA.--21.4 sq mi.

PERIOD OF RECORD.--September 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft above mean sea level. May 20, 1964, to Aug. 31, 1965, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--23 years, 27.4 cfs (17.39 inches per year, 19,880 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,720 cfs Dec. 16 (gage height, 7.55 ft); minimum daily, 1.0 cfs Sept. 14, 15.

Period of record: Maximum discharge, 5,880 cfs Apr. 29, 1953 (gage height, 15.36 ft); minimum, 0.2 cfs Sept. 19, 21, 22, 27, 1956.

REMARKS.--Records good except those below about 20 cfs, which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	2.1	1.2	20	21	45	25	17	8.6	2.7	1.7	11	1.7		
2	1.6	1.2	222	172	34	268	16	25	2.5	1.7	8.4	1.8		
3	1.6	1.1	120	46	27	46	15	11	2.5	1.6	6.4	1.8		
4	1.6	1.1	40	357	24	31	17	7.0	2.4	464	5.6	1.6		
5	1.7	1.1	369	124	23	25	16	5.8	2.4	21	4.5	1.6		
6	1.7	1.1	481	70	23	22	15	5.4	2.1	11	3.9	1.6		
7	1.4	1.1	88	50	24	20	14	5.2	2.1	7.0	3.0	1.4		
8	1.2	1.1	53	42	22	113	13	9.4	2.1	5.6	2.7	1.3		
9	1.4	1.9	50	154	19	36	12	6.4	2.1	4.7	2.5	1.2		
10	1.4	2.2	57	112	19	24	12	5.6	2.5	7.2	2.5	1.2		
11	1.3	1.4	40	53	19	23	12	5.2	2.1	5.8	3.8	1.2		
12	1.3	1.4	69	38	49	21	11	21	1.9	7.0	3.0	1.1		
13	1.2	1.4	52	33	26	19	11	12	2.4	6.7	3.8	1.1		
14	1.2	1.3	35	26	21	18	10	7.6	2.5	4.5	3.0	1.0		
15	1.3	1.3	163	24	19	20	12	5.8	7.2	4.3	2.7	1.0		
16	3.6	1.6	518	22	19	50	12	5.0	162	3.4	2.5	1.6		
17	6.0	1.6	235	22	19	22	10	4.5	14	12	2.5	3.0		
18	4.5	97	72	22	20	18	9.6	4.5	6.2	10	2.1	1.8		
19	11	32	46	23	17	17	9.1	4.3	4.1	5.4	1.9	1.7		
20	3.9	21	47	176	16	18	8.8	4.1	3.0	3.6	1.8	1.4		
21	3.0	17	34	50	16	251	9.8	3.8	2.8	3.0	1.9	1.3		
22	2.8	16	26	34	16	44	11	3.6	2.7	3.6	1.4	1.2		
23	2.5	24	24	29	16	30	9.6	3.4	2.7	2.7	17	1.2		
24	2.1	20	22	24	16	29	8.8	3.2	2.7	1.9	8.2	1.1		
25	2.1	16	21	20	15	41	8.4	3.0	2.5	1.8	5.2	1.6		
26	1.9	15	20	19	14	26	8.2	2.8	2.2	1.7	5.2	1.4		
27	1.9	15	19	19	14	23	8.6	2.8	1.9	1.7	3.8	1.4		
28	1.8	15	18	19	14	80	11	2.8	1.8	1.6	2.5	2.5		
29	1.8	16	17	156	19	52	9.6	2.8	1.8	1.7	2.4	2.4		
30	1.4	15	17	283	-----	23	8.8	2.8	1.9	266	2.1	2.4		
31	1.2	-----	17	65	-----	19	-----	2.7	-----	36	1.7	-----		
TOTAL	73.5	342.1	3,012	2,305	625	1,454	346.3	197.1	251.8	909.9	129.0	46.6		
MEAN	2.37	11.4	97.2	74.4	21.6	46.9	11.5	6.36	8.39	29.4	4.16	1.55		
MAX	11	97	518	357	49	268	17	25	162	464	17	3.0		
MIN	1.2	1.1	17	19	14	17	8.2	2.7	1.8	1.6	1.4	1.0		
CFSM	.11	.53	4.54	3.48	1.01	2.19	.54	.30	.39	1.37	.19	.07		
IN.	.13	.59	5.23	4.01	1.09	2.53	.60	.34	.44	1.58	.22	.08		
AC-FT	146	679	5,970	4,570	1,240	2,880	687	391	499	1,800	256	92.4		
GAL YR 1971:	TOTAL	7,918.51	MEAN	21.7	MAX	518	MIN	.52	CFSM	1.01	IN.	13.76	AC-FT	15,710
WTR YR 1972:	TOTAL	9,692.30	MEAN	26.5	MAX	518	MIN	1.0	CFSM	1.24	IN.	16.84	AC-FT	19,220

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-16	2300	7.55	1,720	7- 4	1215	7.15	1,580
3- 2	0445	5.58	1,330	7-30	1600	5.55	1,020

07355500 Red River at Alexandria, La.

LOCATION.--Lat 31°18'46", long 92°26'34", in SE $\frac{1}{4}$ sec.10, T.4 N., R.1 W., Rapides Parish, near center of span on downstream side of old bridge on U.S. Highway 165 between Alexandria and Pineville, and 1.7 miles downstream from Bayou Rigolette.

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

RECORDS AVAILABLE.--October 1928 to September 1971. Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927 and gage heights since 1872, in reports of Mississippi River Commission.

GAUGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft above mean sea level or 44.18 ft above mean Gulf level, datum of Mississippi River Commission (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--43 years, 30,610 cfs (22,200,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge, 43,500 cfs Nov. 3 (gage height, 13.90 ft); maximum gage height, 13.93 ft Nov. 3; minimum daily, 4,100 cfs July 6, 10, 24; minimum gage height, -0.99 ft July 24.

Period of record: Maximum discharge, 233,000 cfs Apr. 17, 1945 (gage height, 45.23 ft); minimum, 873 cfs Oct. 30, 1956 (gage height, -3.01 ft).

A discharge of 210,000 cfs was measured July 2, 1908 (gage height, 41.6 ft).

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir.

COOPERATION.--Gage-height record, and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1241: 1929-36.

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR 1971 WATER YEAR ARE PUBLISHED ON PAGE 148 OF THIS REPORT.

07355650 Larto Lake at dam, near Acme, La.

LOCATION.--Lat 31°20'01", long 91°56'10", in SW¼ sec.11, T.4 N., R.5 E., Catahoula Parish, at dam, 3.0 miles west of Argo, 4.2 miles upstream from mouth of Larto Bayou, and 7.7 miles northwest of Acme.

DRAINAGE AREA.--291 sq mi.

PERIOD OF RECORD.--December 1968 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 33.05 ft above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height 8.50 ft Jan. 24; minimum not determined.

Period of record: Maximum gage height 14.20 ft Mar. 2, 1969; minimum not determined.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam contains a 57-foot concrete spillway and a 10-foot wide timber gate. The crest of the dam is at a gage height of 12.45 ft, and the invert of the spillway is at 3.95 ft. The capacity at 3.95 ft is estimated to be 15,000 acre-ft. Outflow between -2.05 ft and 3.95 ft is regulated by the timber gate.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.46	2.25	-	6.94	8.07	5.40	5.80	4.12	4.36	-	-	-
2	4.37	2.25	2.43	6.87	7.98	5.88	5.69	4.15	4.26	-	-	-
3	4.28	2.30	3.66	6.75	7.92	6.26	5.59	4.39	4.16	-	-	-
4	4.19	-	4.20	6.75	7.72	6.35	5.55	4.42	4.06	-	-	-
5	4.17	-	4.52	6.92	-	6.42	5.45	4.44	3.96	-	-	-
6	4.09	-	6.00	6.93	-	6.34	5.38	4.44	3.87	-	-	-
7	4.00	2.25	7.35	6.90	-	6.22	5.31	4.46	3.76	-	-	-
8	3.89	-	8.04	6.84	-	6.20	5.30	4.63	3.66	-	-	-
9	3.80	-	8.10	6.75	-	6.21	5.26	4.72	3.56	-	-	-
10	3.72	-	8.05	7.18	-	6.15	5.06	4.78	3.50	-	-	-
11	3.60	-	7.92	7.43	-	6.06	5.02	4.87	3.42	-	-	-
12	3.50	-	7.75	7.55	-	5.95	4.95	4.95	3.32	-	-	-
13	3.40	-	7.64	7.61	-	5.84	4.91	5.24	3.22	-	-	-
14	3.32	-	7.50	7.70	-	5.78	4.85	5.37	3.13	-	-	-
15	3.25	-	7.42	7.77	-	5.69	4.77	5.53	3.08	-	-	-
16	3.17	-	7.37	-	-	5.68	4.83	5.62	3.01	-	-	-
17	3.17	-	7.35	-	-	5.65	4.79	5.72	3.11	-	-	-
18	3.11	-	7.35	7.91	-	5.58	4.77	5.76	3.05	-	-	-
19	3.05	2.26	7.28	7.97	-	5.51	4.67	5.74	2.98	-	-	-
20	2.92	-	7.31	8.10	-	5.41	4.61	5.68	2.90	-	-	-
21	2.89	-	7.41	8.30	-	5.52	4.57	5.58	2.83	-	-	-
22	2.84	-	7.52	8.39	5.98	5.65	4.60	5.48	2.77	-	-	-
23	2.75	2.25	7.61	8.41	5.85	5.63	4.53	5.37	2.69	-	-	-
24	2.67	2.25	7.68	8.40	5.77	5.58	4.54	5.26	2.63	-	-	-
25	2.60	-	7.70	8.37	5.70	5.59	4.47	5.15	2.55	-	-	-
26	2.50	-	7.65	8.27	5.62	5.53	4.35	5.02	2.43	-	-	-
27	2.40	-	7.58	8.15	5.54	5.49	4.33	4.90	2.36	-	-	-
28	2.36	-	7.48	8.05	5.45	5.67	4.28	4.78	2.28	-	-	-
29	2.30	-	7.36	7.90	5.37	5.90	4.26	4.66	-	-	-	-
30	2.28	-	7.21	8.03	-----	5.90	4.22	4.58	-	-	-	-
31	2.27	-----	7.10	8.10	-----	5.88	-----	4.47	-----	-	-	-----
MAX	4.46	2.30	8.10	8.41	8.07	6.60	5.80	5.76	4.36	-	-	-
MIN	2.27	-	-	6.75	5.37	5.41	4.22	4.12	-	-	-	-

NOTE.--Gage height was below 2.25 ft (lowest recordable stage) Nov. 4-6, 8-18, 20-22, Nov. 25 to Dec. 1, and June 29 to Sept. 30.

07364100 Ouachita River near Arkansas-Louisiana State line

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

DRAINAGE AREA.--10,787 sq mi.

PERIOD OF RECORD.--April 1958 to current year (discharge above 19.0 ft stage not determined). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Auxiliary water-stage recorder 16 miles downstream at same datum. Prior to Aug. 26, 1958, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum gage height, 22.26 ft Jan. 13; minimum daily discharge, 692 cfs June 21; minimum gage height, 6.92 ft Aug. 30.
Period of record: Maximum gage height, 43.04 ft May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 cfs Sept. 13, 1971; minimum gage height, 6.58 ft Sept. 14, 1971.
1912-72: Maximum gage height, 44.2 ft Apr. 11, 12, 1945; minimum, -0.3 ft Nov. 11, 1916; minimum since 1928, 5.8 ft Aug. 25, 1951.

REMARKS.--Records poor. Discharge computed for stages below bankfull, about 19 ft. Flow regulated by Lake Ouachita since 1952 (usable capacity, 1,903,000 acre-ft), Lake Hamilton since 1932 (usable capacity, 119,560 acre-ft), Lake Catherine since 1925 (usable capacity, 21,300 acre-ft), Lake Greenson since 1949 (usable capacity, 330,000 acre-ft), by DeGray Lake since August 1969 (capacity, 881,900 acre-ft), and by navigation pools. Records of chemical analyses for Lock and Dam No. 6 for the water year 1972 are published in Part 2 of the Arkansas report (see sta 07364080). Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,080	1,440	1,640	16,000	16,100	6,010	15,300	1,710	946	1,940	1,510	861
2	1,110	1,600	1,460	16,500	16,800	5,590	14,500	3,470	820	1,750	1,350	940
3	1,200	1,580	2,090			6,550	10,300	6,010	1,140	1,370	1,300	1,120
4	1,140	1,470	2,880			9,430	9,190	8,010	992	1,170	1,290	1,180
5	1,110	1,380	3,490			11,100	9,420	10,300	1,010	1,190	1,300	1,180
6	1,110	1,280	4,520			14,100	9,220	12,800	1,030	1,420	1,310	1,110
7	1,090	1,230	5,410			12,500	8,560	12,700	997	1,560	1,300	1,010
8	1,010	1,240	5,440		16,100	10,900	7,510	10,600	997	1,550	1,280	917
9	925	1,280	5,550		15,300	10,300	6,790	7,540	1,010	1,510	1,200	915
10	1,030	1,230	7,010		14,700	10,000	5,610	4,920	1,060	1,450	1,270	907
11	1,080	1,130	8,690		14,000	10,200	4,530	3,910	1,090	1,280	1,310	1,440
12	1,090	1,170	11,800		13,600	10,300	4,090	3,750	1,110	1,380	1,810	1,750
13	1,080	1,190	14,800		11,800	9,820	2,940	3,060	864	1,300	2,700	1,720
14	1,060	1,120	16,700		10,600	7,880	2,460	2,390	1,060	1,320	2,610	1,540
15	1,010	1,140	17,200		9,140	6,710	2,510	2,170	1,560	1,320	2,070	1,490
16	1,060	1,210	17,600		7,690	7,300	3,610	2,120	1,270	1,340	1,440	1,820
17	1,140	1,310	17,700		7,740	7,920	4,510	1,730	874	1,410	945	2,060
18	1,110	1,170			7,660	8,530	4,680	1,480	913	1,260	1,010	2,280
19	1,220	1,530			7,640	8,300	4,280	1,560	746	1,240	1,400	2,860
20	1,390	1,520			7,470	7,130	3,100	1,490	716	1,060	1,800	4,360
21	1,490	2,020			7,070	5,970	2,650	1,360	692	942	2,150	6,690
22	1,510	2,350			6,420	5,200	2,650	1,150	857	940	2,410	7,690
23	1,560	2,390			6,020	4,470	2,710	1,300	936	1,070	2,510	7,400
24	1,660	2,070			5,370	3,930	2,620	1,320	923	911	2,480	4,720
25	1,450	1,520		12,400	5,480	3,430	2,120	1,150	1,160	1,020	2,520	4,020
26	1,410	1,430		12,200	6,410	3,310	1,730	1,060	1,260	1,050	2,440	3,310
27	1,550	1,740		14,400	6,910	3,190	1,340	1,260	1,040	1,080	2,290	2,330
28	1,620	1,860		11,500	6,950	3,600	1,800	1,150	1,040	1,050	2,130	1,680
29	1,550	1,930		12,300	6,570	6,000	1,890	1,060	1,290	1,310	1,230	2,020
30	1,440	1,820		12,700	-----	10,100	1,890	1,340	1,550	1,490	713	2,740
31	1,280	-----		14,900	-----	13,900	-----	1,320	-----	1,380	704	-----
MAX	1,660	2,390	-	-	-	14,100	15,300	12,800	1,560	1,940	2,700	7,690
MIN	925	1,120	1,460	11,500	5,370	3,190	1,340	1,060	692	911	704	861

07364200 Bayou Bartholomew near Jones, La.

LOCATION.--Lat 32°59'25", long 91°39'20", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.23 N., R.8 E., Morehouse Parish, on downstream side of right pier of bridge on State Highway 834, 1 mile downstream from Arkansas-Louisiana State line, and 1.6 miles northwest of Jones.

DRAINAGE AREA.--1,187 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft above mean sea level (levels by Corps of Engineers). Auxiliary water-stage recorder at site 4.0 miles downstream at different datum. Oct. 1, 1959, to Dec. 6, 1966, auxiliary nonrecording gage 4.1 miles downstream at datum 1.0 ft higher. Prior to Oct. 1, 1959, auxiliary water-stage recorder 15.3 miles upstream at datum 85.17 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--15 years, 1,098 cfs (795,500 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 3,260 cfs Jan. 13; maximum gage height, 19.56 ft Jan. 13; minimum discharge, 71 cfs Nov. 17; minimum gage height, 1.08 ft Aug. 14.

Period of record: Maximum daily discharge, 6,680 cfs Mar. 11-13, 1961; maximum gage height, 28.24 ft May 21, 22, 1958; minimum discharge, 32 cfs July 22, 1966 (gage height, 0.35 ft).

REMARKS.--Records fair. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins via interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake and Boeuf River near Girard. (See stations 07369000 and 07368000.) Other flow bypasses station and reenters the basin 5 miles downstream via Overflow Creek. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	104	89	364	1,080	360	938	590	127	122	98	102
2	129	101	90	679	1,020	480	1,020	540	127	126	96	100
3	128	98	119	859	981	518	1,110	500	127	127	92	99
4	130	94	127	1,150	944	548	1,220	460	128	167	90	99
5	135	92	130	1,400	922	609	1,300	430	126	292	89	100
6	133	89	171	1,690	922	682	1,340	410	121	420	88	101
7	132	88	236	2,060	926	754	1,330	410	116	495	86	102
8	130	86	239	2,470	917	851	1,310	410	109	513	85	104
9	129	85	238	2,710	912	917	1,260	420	103	491	85	106
10	127	83	248	3,010	906	934	1,190	437	98	450	84	108
11	127	82	243	3,150	883	948	1,120	442	96	407	84	109
12	127	80	249	3,240	898	951	1,020	449	94	372	84	110
13	125	78	285	3,240	877	955	940	449	94	350	84	111
14	125	76	311	3,230	855	944	858	433	96	337	83	112
15	125	74	388	3,200	825	921	823	412	101	305	83	112
16	125	72	459	3,100	792	934	744	391	109	276	84	113
17	125	71	581	3,010	733	894	730	364	109	246	86	115
18	125	80	620	2,920	698	877	720	340	106	218	86	117
19	125	85	615	2,770	641	897	700	311	104	195	87	117
20	126	83	602	2,650	592	954	670	283	104	176	89	118
21	124	82	579	2,560	552	1,000	670	257	118	159	92	117
22	121	82	545	2,400	503	1,040	750	232	109	144	94	119
23	118	88	509	2,270	455	1,040	650	212	105	131	95	120
24	116	92	472	2,140	413	987	530	192	107	121	99	123
25	114	92	432	1,990	378	962	450	175	115	114	102	124
26	112	94	401	1,840	354	923	400	162	121	109	100	124
27	112	94	372	1,680	337	877	380	151	124	106	103	121
28	113	95	352	1,500	325	850	360	139	122	104	104	116
29	112	96	344	1,390	308	873	610	134	118	103	105	109
30	109	92	341	1,290	-----	842	640	134	115	102	105	104
31	107	-----	332	1,170	-----	862	-----	130	-----	101	103	-----
TOTAL	3,816	2,610	10,719	67,132	20,949	26,184	25,783	10,399	3,349	7,379	2,845	3,332
MEAN	123	87.0	346	2,166	722	845	859	335	112	238	91.8	111
MAX	135	104	620	3,240	1,080	1,040	1,340	590	128	513	105	124
MIN	107	71	89	364	308	360	360	130	94	101	83	99
AC-FT	7,570	5,180	21,260	133,200	41,550	51,940	51,140	20,630	6,640	14,640	5,640	6,610
CAL YR 1971: TOTAL	193,238		MEAN 529	MAX 1,810	MIN 71	AC-FT 383,300						
WTR YR 1972: TOTAL	184,497		MEAN 504	MAX 3,240	MIN 71	AC-FT 365,900						

07364300 Chemin-a-Haut Bayou near Beekman, La.

LOCATION.--Lat 32°58'55", long 91°48'20", in SE¼ sec.13, T.23 N., R.6 E., Morehouse Parish, near center of span on downstream side of bridge on parish road, 1.9 miles downstream from Arkansas-Louisiana State line, and 6 miles northeast of Beekman.

DRAINAGE AREA.--271 sq mi.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 76.08 ft above mean sea level. Prior to Jan. 28, 1956, nonrecording gage, Jan. 29, 1956, to Oct. 1, 1966, at datum 9.50 ft higher. Auxiliary water-stage recorder 4 miles downstream. Datum of auxiliary gage is 76.08 ft above mean sea level. Prior to Sept. 30, 1968, water-stage recorder for Bayou Bartholomew near Beekman (sta 07364500) used as auxiliary gage for this station.

AVERAGE DISCHARGE.--17 years, 232 cfs (168,100 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 4,520 cfs Jan. 5; maximum gage height, 21.93 ft Jan. 6; no flow Nov. 16, 17.

Period of record: Maximum discharge, 29,500 cfs Apr. 26, 1958; maximum gage height, 28.21 ft Apr. 27, 1958, present datum; no flow at times in 1956, 1963, 1965, 1966, 1971.

REMARKS.--Records fair. Some diversions above station for irrigation. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	.36	6.8	26	509	34	744	328	12	95	8.6	10
2	16	.36	11	512	520	143	715	417	13	129	8.4	8.8
3	13	.36	16	962	441	395	658	584	14	90	9.6	8.2
4	10	.33	18	2,130	328	544	603	619	10	66	11	8.6
5	9.8	.31	37	4,000	194	558	520	575	14	125	12	9.2
6	9.0	.28	88	4,180	119	481	450	468	15	129	12	10
7	7.3	.28	146	3,220	81	399	475	351	15	146	12	12
8	6.2	.24	158	2,280	66	524	455	203	15	163	12	13
9	6.0	.19	168	1,550	57	691	296	94	16	131	12	12
10	5.6	.15	171	1,160	45	773	152	36	17	57	12	14
11	5.6	.11	154	959	36	780	78	23	16	16	12	14
12	5.7	.08	133	822	30	710	41	20	16	11	12	13
13	5.8	.05	126	620	25	612	26	16	16	14	13	13
14	6.0	.02	131	428	23	511	19	12	16	15	12	14
15	6.5	.01	190	312	23	303	17	11	130	11	12	12
16	7.0	0	259	212	22	156	131	11	234	9.1	16	9.8
17	8.0	0	306	186	21	129	472	11	71	8.5	29	8.5
18	8.5	.40	317	118	23	187	635	10	66	10	34	11
19	9.0	2.0	263	75	23	238	659	9.8	114	9.0	20	13
20	8.8	2.0	185	50	25	250	507	11	84	7.5	14	13
21	7.0	2.0	126	36	27	263	285	12	123	7.4	12	15
22	5.0	16	77	28	24	247	319	12	90	7.0	11	17
23	2.8	53	42	25	22	177	353	9.4	26	7.1	11	16
24	1.3	70	24	23	23	130	455	8.2	24	7.9	11	14
25	.62	48	18	26	23	111	475	8.6	50	9.4	12	24
26	.50	18	16	26	24	102	296	9.7	34	9.4	14	53
27	.50	8.8	16	25	24	90	146	10	16	9.0	69	50
28	.48	7.4	14	30	25	104	66	11	18	8.4	26	23
29	.50	7.1	13	54	26	298	139	12	74	9.1	12	18
30	.48	6.1	13	184	-----	607	262	12	99	8.4	11	15
31	.39	-----	14	373	-----	699	-----	12	-----	8.4	11	-----
TOTAL	193.37	243.93	3,256.8	24,632	2,829	11,246	10,449	3,926.7	1,458	1,333.6	483.6	472.1
MEAN	6.24	8.13	105	794	97.6	363	348	127	48.6	43.0	15.6	15.7
MAX	20	70	317	4,180	520	780	744	619	234	163	69	53
MIN	.39	0	6.8	23	21	34	17	8.2	10	7.0	8.4	8.2
AC-FT	384	484	6,460	48,860	5,610	22,310	20,730	7,790	2,890	2,650	959	936
CAL YR 1971:	TOTAL	36,118.50	MEAN	99.0	MAX	1,250	MIN	0	AC-FT	71,640		
WTR YR 1972:	TOTAL	60,524.10	MEAN	165	MAX	4,180	MIN	0	AC-FT	120,000		

07364500 Bayou Bartholomew near Beekman, La.

LOCATION.--Lat 32°52'20", long 91°52'04", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.22 N., R.6 E., Morehouse Parish, near right bank on downstream end of pier of bridge on State Highway 139, 0.6 mile downstream from Bayou de Glaize, 3.6 miles south of Beekman, and 7.0 miles north-west of Bastrop court house.

DRAINAGE AREA.--1,645 sq mi.

PERIOD OF RECORD.--August 1928 to September 1931, October 1938 to September 1959. October 1959 to current year (annual maximum and gage heights only). Monthly discharge only for some periods, published in WSP 1311. August 1928 to October 1931 (fragmentary) in files of Corps of Engineers, Vicksburg district, since August 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 70.60 ft above mean sea level (levels by Corps of Engineers). Feb. 3, 1939, to Aug. 17, 1955, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 5,430 cfs Jan. 11 (gage height, 18.46 ft); minimum gage height, 0.84 ft Aug. 12, 16, 17. Period of record: Maximum discharge, 14,700 cfs May 2, 1958 (gage height, 28.30 ft); minimum gage height, 0.63 ft July 23-26, 1966, and Nov. 27, 28, 1967.

1928-31, 1938-59: Minimum discharge, 38 cfs July 30, 1956.

A stage of 26.75 ft (from floodmark) occurred Apr. 17, 1927 (affected by overflow from Mississippi River). A discharge of 12,400 cfs (gage height, 25.78 ft) was measured by the Corps of Engineers Jan. 12, 1932.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins via interconnecting system of bayous and drainage ditches and passes the two stations, Bayou Lafourche near Crew Lake and Boeuf River at Girard (see sta 07369000 and 07368000).

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.51	.98	1.14	2.86	10.55	2.97	9.06	6.84	1.39	2.27	1.07	1.28
2	1.36	.97	1.11	7.29	10.20	4.59	9.40	6.74	1.35	2.43	1.04	1.20
3	1.29	.96	1.55	9.46	9.96	6.57	9.69	6.82	1.33	2.47	1.02	1.23
4	1.23	.95	1.54	12.07	9.56	6.92	9.86	7.01	1.32	2.37	.99	1.21
5	1.24	.94	1.48	14.80	9.06	7.10	10.01	7.01	1.33	2.73	.96	1.25
6	1.24	.94	1.60	16.94	8.52	7.33	10.05	6.77	1.35	3.43	.96	1.19
7	1.19	.93	3.12	18.07	8.26	7.42	10.00	6.30	1.33	3.97	.95	1.17
8	1.16	.92	3.41	18.40	7.88	8.20	10.00	5.83	1.30	4.49	.94	1.19
9	1.14	.93	3.40	18.32	7.52	9.04	10.00	5.28	1.23	4.86	.90	1.24
10	1.11	.93	3.40	18.27	7.29	9.79	9.78	4.57	1.16	4.88	.87	1.28
11	1.09	.92	3.41	18.45	7.13	9.93	9.25	4.15	1.10	4.44	.86	1.28
12	1.08	.92	3.35	18.14	7.01	10.02	8.65	3.96	1.08	3.92	.85	1.34
13	1.07	.92	3.56	17.82	6.89	10.00	8.06	4.05	1.05	3.52	.97	1.35
14	1.05	.92	3.55	17.54	6.75	9.75	7.50	4.00	1.04	3.28	.92	1.35
15	1.04	.92	3.58	17.21	6.60	9.37	6.96	3.87	1.04	3.23	.88	1.36
16	1.03	.92	4.12	16.85	6.42	9.31	6.66	3.71	1.80	3.01	.84	1.37
17	1.02	.91	5.90	16.46	6.20	9.03	6.52	3.55	3.07	2.74	.84	1.41
18	1.01	.91	7.00	16.04	6.00	8.25	7.20	3.43	2.11	2.47	1.00	1.41
19	1.00	1.13	6.79	15.68	5.92	7.89	7.85	3.25	1.59	2.24	1.12	1.42
20	.98	1.05	6.45	15.28	5.68	7.84	8.08	3.05	1.84	2.05	1.09	1.40
21	.96	1.02	6.01	14.78	5.39	7.96	7.81	2.85	2.15	1.86	1.00	1.40
22	.96	1.00	5.50	14.32	4.81	8.21	8.24	2.68	2.57	1.70	.98	1.83
23	.96	1.00	5.00	13.84	4.43	8.33	8.09	2.51	2.34	1.57	1.03	1.60
24	.96	1.12	4.54	13.33	4.10	8.19	7.33	2.34	1.72	1.46	1.05	1.57
25	.95	1.45	4.16	12.82	3.76	7.94	6.81	2.17	1.37	1.35	1.17	1.53
26	.95	1.46	3.82	12.30	3.48	7.70	6.44	2.02	1.76	1.26	1.17	1.53
27	.95	1.35	3.53	11.75	3.22	7.50	5.77	1.88	1.76	1.19	1.68	1.88
28	.95	1.24	3.29	11.22	3.04	7.44	4.73	1.75	1.58	1.13	1.84	2.14
29	.95	1.22	3.11	10.74	2.92	7.63	4.91	1.60	1.50	1.09	1.64	1.84
30	.96	1.16	3.00	10.88	-----	8.26	6.80	1.52	1.65	1.09	1.38	1.89
31	.97	-----	2.92	10.87	-----	8.71	-----	1.44	-----	1.08	1.30	-----
MAX	1.51	1.46	7.00	18.45	10.55	10.02	10.05	7.01	3.07	4.88	1.84	2.14
MIN	.95	.91	1.11	2.86	2.92	2.97	4.73	1.44	1.04	1.08	.84	1.17

07364700 Bayou de Loutre near Laran, La.

LOCATION.--Lat 32°57'19", long 92°29'59", in NW¼ sec.29, T.23 N., R.1 W., Union Parish, near center of span on downstream side of bridge on parish road, 1.5 miles southwest of Laran, 1.5 miles downstream from Lion Creek, and 3.0 miles upstream from bridge on State Highway 550.

DRAINAGE AREA.--141 sq mi.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 112.34 ft above mean sea level. Prior to Jan. 31, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--17 years, 159 cfs (15.31 inches per year, 115,200 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,830 cfs Jan. 6 (gage height, 9.77 ft); minimum, 6.8 cfs Aug. 11 (gage height, 1.26 ft).
Period of record: Maximum discharge, 22,600 cfs Apr. 27, 1958 (gage height, 20.29 ft, from floodmark); minimum, 1.0 cfs July 21, 25, 26, 1964; minimum gage height, 1.04 ft Aug. 16-18, 1967.

REMARKS.--Records fair. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	57	125	320	54	259	43	10	100	21	20
2	16	17	56	484	290	111	330	167	10	127	16	20
3	15	16	119	738	264	153	282	265	10	194	15	15
4	14	15	151	1,150	205	156	149	310	10	255	15	13
5	17	15	161	1,710	124	160	75	260	9.2	227	13	12
6	19	15	176	1,790	96	158	58	216	8.3	258	11	11
7	18	15	215	1,450	89	143	45	167	7.8	251	5.2	10
8	16	15	227	917	120	106	43	85	7.6	260	8.0	10
9	16	15	202	658	125	101	39	48	7.4	264	7.6	8.5
10	15	16	191	474	96	95	35	36	7.2	193	7.4	8.3
11	14	16	167	320	79	103	32	30	7.2	52	7.0	7.8
12	13	17	144	207	75	127	32	41	8.3	52	8.0	7.6
13	13	18	192	154	76	126	30	60	8.0	36	11	7.4
14	13	18	141	129	74	100	27	65	13	28	11	7.2
15	12	19	129	106	78	84	34	54	69	35	9.5	7.0
16	12	19	140	84	73	96	166	46	212	27	8.6	7.6
17	13	19	152	72	68	150	201	40	267	20	8.3	5.8
18	15	47	151	68	63	201	209	30	222	21	8.5	22
19	15	115	138	68	57	190	181	22	180	15	10	20
20	17	123	123	69	52	203	153	18	86	20	9.2	20
21	18	122	100	72	50	159	108	16	27	15	8.6	18
22	18	105	75	72	50	138	86	14	17	18	8.2	17
23	26	109	55	72	55	101	76	13	15	15	11	24
24	56	109	57	71	59	93	60	12	13	13	13	32
25	54	84	52	65	65	80	46	11	32	11	17	34
26	21	64	50	61	70	79	38	9.5	120	10	22	35
27	24	54	49	56	74	76	30	9.2	185	8.9	19	52
28	22	52	45	73	69	106	26	8.9	192	8.3	16	40
29	20	67	45	151	61	163	29	8.9	157	14	15	32
30	19	64	52	277	-----	183	25	12	117	20	19	32
31	19	-----	56	235	-----	201	-----	11	-----	26	22	-----
TOTAL	607	1,357	3,722	12,123	2,954	4,046	2,914	2,128.5	2,038.0	2,832.2	385.6	560.6
MEAN	19.5	46.6	120	391	102	131	97.1	68.7	67.5	91.4	12.4	18.7
MAX	56	123	227	1,790	320	203	330	310	267	237	22	52
MIN	12	15	45	56	50	64	26	8.9	7.2	8.3	7.0	7.0
CFSM	.14	.33	.85	2.77	.72	.93	.69	.46	.48	.65	.09	.13
IN.	.16	.37	.98	3.20	.79	1.07	.77	.56	.54	.75	.10	.15
AC-FT	1,200	2,770	7,380	24,050	5,540	8,030	5,780	4,220	4,040	5,620	765	1,110

CAL YR 1971 TOTAL 36,111.00 MEAN 98.9 MAX 972 MIN 9.1 CFSM .70 IN 9.52 AC-FT 71,626
WTR YR 1972 TOTAL 35,747.90 MEAN 97.7 MAX 1,790 MIN 7.0 CFSM .69 IN 9.43 AC-FT 70,910

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-06	1145	9.77	1,830				

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, on parish road 518 at dam 2.0 miles northeast of Aycock.

DRAINAGE AREA.--133 sq mi.

PERIOD OF RECORD.--1962 (one discharge measurement), February 1968 to current year (gage heights and discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height, 9.57 ft May 3; minimum, 3.63 ft Nov. 17.

Period of record: Maximum gage height, 10.66 ft May 2, 1970; minimum since conservation pool first filled in May 1968, 3.63 ft Nov. 17, 1971.

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 sluice gates at outlet. Capacity, 100,000 acre-ft at 9.0 ft gage height. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.94	3.76	4.04	5.40	8.29	8.80	9.41	9.28	9.07	9.11	9.17	8.89
2	3.93	3.78	4.04	5.79	8.32	8.92	9.40	9.50	9.04	9.10	9.15	8.88
3	3.93	3.78	4.21	5.98	8.40	8.92	9.37	9.56	9.03	9.09	9.12	8.86
4	3.93	3.76	4.25	6.58	8.38	8.95	9.36	9.53	9.02	9.20	9.10	8.85
5	3.92	3.74	4.26	6.93	8.39	8.97	9.33	9.50	9.01	9.21	9.10	8.83
6	3.92	3.71	4.39	7.16	8.41	8.97	9.32	9.46	9.00	9.20	9.09	8.81
7	3.92	3.70	4.51	7.28	8.45	8.98	9.32	9.43	8.99	9.18	9.07	8.80
8	3.91	3.69	4.58	7.34	8.48	8.99	9.29	9.41	8.98	9.14	9.04	8.81
9	3.91	3.69	4.60	7.42	8.49	8.99	9.28	9.39	8.97	9.13	9.01	8.79
10	3.89	3.68	4.68	7.50	8.50	9.00	9.27	9.34	8.94	9.15	8.99	8.77
11	3.85	3.67	4.69	7.57	8.52	9.00	9.28	9.32	8.91	9.14	8.99	8.75
12	3.84	3.68	4.75	7.60	8.59	9.01	9.28	9.34	8.90	9.12	8.97	8.73
13	3.83	3.66	4.79	7.65	8.60	9.03	9.27	9.39	8.89	9.11	8.98	8.72
14	3.82	3.66	4.80	7.67	8.60	9.04	9.26	9.38	8.90	9.10	8.97	8.71
15	3.82	3.65	4.90	7.68	8.61	9.07	9.24	9.34	9.00	9.09	8.96	8.70
16	3.81	3.64	4.96	7.69	8.63	9.12	9.36	9.32	9.02	9.08	8.92	8.69
17	3.81	3.63	4.99	7.70	8.64	9.14	9.31	9.30	9.03	9.06	8.91	8.77
18	3.82	3.78	5.01	7.70	8.69	9.17	9.29	9.30	9.02	9.09	8.90	8.78
19	3.82	3.97	5.02	7.74	8.68	9.17	9.28	9.29	9.01	9.08	8.89	8.78
20	3.82	3.98	5.08	7.78	8.68	9.17	9.26	9.28	9.00	9.05	8.89	8.80
21	3.82	3.99	5.10	7.80	8.69	9.22	9.31	9.25	8.98	9.03	8.88	8.80
22	3.82	3.97	5.10	7.81	8.70	9.23	9.32	9.24	8.99	9.05	8.85	8.79
23	3.82	3.99	5.11	7.84	8.72	9.23	9.30	9.22	8.99	9.02	8.87	8.78
24	3.81	3.99	5.14	7.86	8.74	9.23	9.29	9.20	8.97	9.01	8.84	8.77
25	3.80	3.99	5.15	7.88	8.76	9.25	9.26	9.19	8.98	9.00	8.83	8.75
26	3.80	3.98	5.18	7.87	8.77	9.22	9.22	9.17	9.08	8.99	8.85	8.75
27	3.80	3.99	5.19	7.88	8.78	9.23	9.20	9.14	9.06	8.98	8.98	8.79
28	3.78	3.98	5.20	7.92	8.79	9.42	9.21	9.12	9.04	8.95	8.95	8.80
29	3.79	4.04	5.21	7.99	8.80	9.51	9.29	9.11	9.03	9.14	8.92	8.80
30	3.78	4.04	5.25	8.18	-----	9.46	9.28	9.12	9.11	9.19	8.90	8.81
31	3.77	-----	5.26	8.24	-----	9.44	-----	9.10	-----	9.18	8.90	-----
MAX	3.94	4.04	5.26	8.24	8.80	9.51	9.41	9.56	9.11	9.21	9.17	8.89
MIN	3.77	3.63	4.04	5.40	8.29	8.80	9.20	9.10	8.89	8.95	8.83	8.69

07365800 Cornie Bayou near Three Creeks, Ark.

LOCATION.--Lat 33°02'21", long 92°56'15", in SW¼NW¼ sec.36, T.19 S., R.18 W., Union County, on left bank at downstream side of bridge on State Highway 15, 3.4 miles downstream from Pidgeon Roost Creek, and 6.0 miles southwest of town of Three Creeks.

DRAINAGE AREA.--180 sq mi.

PERIOD OF RECORD.--February 1956 to September 1971.

GAGE.--Water-stage recorder. Prior to Oct. 29, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--15 years, 150 cfs (11.32 inches per year, 108,700 acre-ft per year).

EXTREMES.--Water year 1970: Maximum discharge, 4,390 cfs May 2 (gage height, 11.15 ft); no flow at times.

Water year 1971: Maximum discharge, 700 cfs Apr. 22 (gage height, 9.50 ft); minimum, 0.10 cfs Oct. 7.

Period of record: Maximum discharge, 35,800 cfs Apr. 27, 1958 (gage height, 15.50 ft), from rating curve extended above 11,000 cfs on basis of contracted-opening measurement of peak flow; no flow at times in 1956, 1964, 1968, 1969, and 1970.

Maximum stage since at least 1880, that of Apr. 27, 1958.

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

07366200 Little Corney Bayou near Lillie, La.

LOCATION.--Lat 32°55'43", long 92°37'56", in NW¹ sec.1, T.22 N., R.3 W., Union Parish, near center of span on downstream side of bridge on State Highway 15, 1.4 miles east of Lillie, and 2.5 miles upstream from mouth.

DRAINAGE AREA.--208 sq mi.

PERIOD OF RECORD.--October 1955 to current year. Prior to October 1957, published as Little Cornie Bayou near Lillie.

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft above mean sea level. Prior to Jan. 27, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--17 years, 162 cfs (10.58 inches per year, 117,400 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,820 cfs Jan. 5 (gage height, 8.33 ft); minimum, 1.7 cfs Sept. 15, 16 (gage height, 1.20 ft).

Period of record: Maximum discharge, 21,400 cfs Apr. 28, 1958 (gage height, 16.52 ft, from floodmark); no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

REMARKS.--Records fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	8.5	38	174	480	50	356	31	5.4	25	5.2	4.0
2	5.0	8.5	36	706	462	57	399	309	5.2	27	5.6	3.4
3	7.8	8.0	107	950	411	189	357	418	5.0	23	4.2	3.1
4	7.1	7.3	161	1,440	259	234	136	364	4.3	35	3.8	3.1
5	5.2	7.1	155	2,450	135	239	62	256	4.0	108	4.3	3.1
6	14	6.0	165	2,360	101	182	53	151	3.6	168	4.0	3.4
7	11	6.4	225	1,520	115	105	49	53	3.3	79	3.6	3.6
8	5.5	6.6	222	1,040	116	71	45	37	3.1	36	3.4	3.3
9	8.5	7.1	184	755	57	54	40	31	2.9	22	3.3	3.1
10	8.0	7.8	144	585	75	61	36	26	3.4	17	3.3	2.5
11	7.6	6.5	176	464	65	62	34	22	8.0	25	3.3	2.5
12	7.1	5.2	175	343	65	61	32	24	7.0	17	4.5	2.5
13	6.5	5.5	115	248	82	56	31	47	4.7	10	19	2.5
14	5.6	5.7	94	174	84	70	25	45	5.6	9.8	18	2.4
15	6.5	5.5	123	124	77	86	25	47	128	9.8	11	1.9
16	6.5	5.5	303	50	68	248	174	32	357	6.5	8.0	1.8
17	7.3	5.2	197	75	63	350	190	23	225	5.4	7.8	2.2
18	8.6	23	165	65	55	363	58	17	36	4.7	5.4	20
19	10	51	115	71	54	338	39	13	21	4.3	4.3	28
20	11	121	83	74	50	270	30	11	13	4.0	4.0	12
21	11	106	69	74	48	156	37	5.5	5.0	3.8	3.6	12
22	11	65	61	75	51	130	64	8.5	5.6	6.5	3.6	13
23	11	46	55	73	54	55	49	8.2	15	5.5	5.0	19
24	18	44	51	65	56	72	34	7.2	11	7.5	11	11
25	16	44	49	63	58	74	25	6.5	5.0	4.3	13	7.5
26	14	41	48	56	60	102	20	5.8	13	3.8	22	11
27	12	38	48	52	56	92	17	6.3	22	2.8	46	37
28	10	37	43	62	52	160	16	6.0	16	2.5	25	30
29	9.2	47	47	225	45	198	19	5.4	10	4.3	13	21
30	8.5	45	45	417	-----	246	20	5.6	12	14	7.5	21
31	8.5	-----	60	480	-----	307	-----	6.3	-----	17	5.0	-----
TOTAL	303.3	888.0	3,375	15,363	3,416	4,837	2,481	2,036.3	1,016.3	714.5	294.7	252.5
MEAN	9.78	28.6	105	496	118	156	82.7	65.7	33.5	23.0	5.51	5.75
MAX	19	121	225	2,450	480	368	399	418	357	168	46	37
MIN	6.6	6.4	36	52	48	50	16	5.4	2.9	2.5	3.3	1.8
CFSM	.05	.14	.52	2.38	.57	.75	.40	.32	.16	.11	.05	.05
IN.	.05	.16	.60	2.75	.61	.87	.44	.36	.18	.13	.05	.05
AC-FT	602	1,760	6,650	30,470	6,780	5,590	4,920	4,040	2,020	1,420	585	560

CAL YR 1971 TOTAL 37,955.2 MEAN 104 MAX 1,000 MIN 2.6 CFSM .50 IN 6.79 AC-FT 75,280
 WTR YR 1972 TOTAL 35,017.6 MEAN 95.7 MAX 2,450 MIN 1.9 CFSM .46 IN 6.26 AC-FT 65,460

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-05	2045	8.33	2,820				

07366300 Bayou D'Arbonne Lake at Farmerville, La.

LOCATION.--Lat 32°45'25", long 92°24'50", in NW¹/₄ NW¹/₄ sec.6, T.20 N., R.1 E., Union Parish, near left bank on downstream side of bridge on State Highway 33, 0.6 mile southwest of Farmerville, and 5.0 miles upstream from dam.

DRAINAGE AREA.--1,607 sq mi.

PERIOD OF RECORD.--December 1964 to current year (gage heights and 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.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum gage height, 41.55 ft (from range line) occurring about Jan. 10; minimum, 33.00 ft Sept. 30.
Period of record: Maximum gage height, 42.52 ft May 4, 1966; minimum, 30.83 ft Dec. 14, 1970.
Maximum stage known since 1925, 45.71 ft Apr. 30, 1958, from records of Corps of Engineers.

REMARKS.--Reservoir is formed by an earthfill dam, containing a 799-ft uncontrolled concrete spillway at left of dam. Outflow below spillway elevation is controlled by sluice gates at outlet. Capacity, 130,000 acre-ft at 39.6 ft gage height. There is no dead storage. Dam completed and storage began in 1964. Reservoir is used for flood control and conservation.

REVISIONS.--WRD 1971: Drainage area.

Discharge measurements made since lake construction

Date	Discharge (cfs)	Date	Discharge (cfs)
Nov. 17, 1969 . . .	0	Apr. 4, 1972 . . .	723
Feb. 11, 1970 . . .	1,710	May 22	272
June 22	90.9		

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.80	39.66	39.86	40.09	-	40.12	40.45	40.15	39.78	39.85	39.75	39.66
2	39.79	39.66	39.88	40.29	-	40.18	40.39	40.58	39.77	39.85	39.74	39.65
3	39.77	39.63	40.00	40.44	-	40.18	40.37	40.79	39.76	39.83	39.73	39.65
4	39.76	39.61	40.01	40.87	-	40.20	40.34	40.84	39.75	39.88	39.72	39.63
5	39.84	39.58	40.03	41.05	-	40.20	40.34	40.81	39.74	39.99	39.70	39.77
6	39.84	39.57	40.11	41.18	-	40.20	40.34	40.73	39.73	40.03	39.69	39.50
7	39.82	39.56	40.13	41.31	-	40.20	40.32	40.63	39.73	40.04	39.66	39.21
8	39.80	39.54	40.14	41.46	-	40.22	40.26	40.53	39.72	40.02	39.64	38.86
9	39.79	39.54	40.14	41.54	-	40.22	40.24	40.43	39.71	39.99	39.62	38.63
10	39.75	39.53	40.18	-	-	40.22	40.21	40.34	39.70	40.02	39.60	38.38
11	39.73	39.53	40.16	-	-	40.19	40.18	40.27	39.68	39.99	39.58	38.12
12	39.72	39.52	40.19	-	-	40.18	40.16	40.22	39.67	39.96	39.57	37.87
13	39.70	39.52	40.20	-	-	40.16	40.14	40.28	39.65	39.92	39.62	37.61
14	39.70	39.51	40.21	-	-	40.16	40.11	40.25	39.66	39.89	39.61	37.35
15	39.69	39.51	40.25	-	-	40.15	40.09	40.20	39.69	39.88	39.60	37.09
16	39.69	39.51	40.23	-	-	40.24	40.20	40.16	39.72	39.86	39.58	36.82
17	39.70	39.50	40.25	-	-	40.24	40.19	40.12	39.76	39.84	39.57	36.57
18	39.72	39.65	40.24	-	-	40.27	40.19	40.10	39.78	39.84	39.55	36.30
19	39.71	39.83	40.24	-	-	40.26	40.17	40.06	39.78	39.83	39.54	36.04
20	39.71	39.85	40.23	-	-	40.27	40.14	40.02	39.77	39.81	39.53	35.87
21	39.71	39.85	40.20	-	-	40.31	40.11	39.99	39.75	39.79	39.51	35.60
22	39.70	39.84	40.17	-	-	40.30	40.21	39.95	39.77	39.80	39.50	35.35
23	39.70	39.85	40.14	-	-	40.28	40.21	39.93	39.79	39.80	39.54	34.98
24	39.68	39.85	40.13	-	-	40.27	40.17	39.90	39.79	39.78	39.52	34.61
25	39.68	39.84	40.11	-	-	40.25	40.13	39.88	39.78	39.76	39.62	34.22
26	39.68	39.84	40.10	-	-	40.23	40.09	39.85	39.80	39.74	39.62	33.90
27	39.67	39.84	40.08	-	-	40.22	40.05	39.84	39.79	39.72	39.69	33.73
28	39.67	39.84	40.06	-	-	40.33	40.03	39.82	39.78	39.70	39.70	33.58
29	39.67	39.87	40.05	-	40.09	40.38	40.16	39.81	39.76	39.76	39.69	33.40
30	39.66	39.86	40.06	-	-----	40.43	40.16	39.83	39.84	39.77	39.68	33.18
31	39.66	-----	40.04	-	-----	40.47	-----	39.80	-----	39.78	39.67	-----
MAX	39.84	39.87	40.25	-	-	40.47	40.45	40.84	39.84	40.04	39.75	39.77
MIN	39.66	39.50	39.86	-	40.09	40.12	40.03	39.80	39.65	39.70	39.50	33.18

07367000 Ouachita River at Monroe, La.

LOCATION.--Lat 32°30'19", long 92°07'32", in lot 50, T.18 N., R.3 E., Ouachita Parish, near center of span on downstream side of bridge on U. S. Highway 80 at Monroe, 0.4 mile upstream from Illinois Central Railroad bridge, and 5.5 miles upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 sq mi.

PERIOD OF RECORD.--January 1932 to September 1971. Monthly discharge only for some periods, published in WSP 1311. 1884 to 1891 (gage heights), 1892 to 1927 (gage heights and discharge measurements), and since January 1928 (daily discharges) in reports of Mississippi River Commission. Discharge measurements 1929-38 in reports of Corps of Engineers. Daily gage heights since June 1884 in reports of U. S. Weather Bureau.

GAGE.--Nonrecording gage read once daily. Datum of gage is 31.40 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 6, 1937, nonrecording gages at several sites within half a mile of present site at same datum. Since Jan. 1, 1954, supplemental nonrecording gage 2.2 miles downstream from lock and dam No. 4 read twice daily, at datum 30.10 ft above mean sea level.

AVERAGE DISCHARGE.--39 years (1932-71), 16,970 cfs (12,290,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge during year, 19,900 cfs May 19; maximum gage height, 19.8 ft May 18-20; minimum discharge not determined; minimum gage height observed, 13.3 ft June 19, 20.
Period of record: Maximum discharge, 101,000 cfs on Feb. 2, 3, 1932; maximum gage height, 50.45 ft May 23, 1958; minimum discharge not determined (pool stage); minimum gage height observed, 12.1 ft Jan. 3, 1944.

REMARKS.--Stage-discharge relation below 10,000 cfs affected by operation of lock and dam No. 4. Flow regulated by Lake Greesson since November 1949 (usable capacity, 330,000 acre-ft), by Lake Catherine since 1925 (usable capacity, 21,300 acre-ft), by Lake Hamilton since 1932 (usable capacity, 119,560 acre-ft), by Lake Ouachita since July 1952 (usable capacity, 1,903,000 acre-ft), and a series of locks and dams. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

COOPERATION.--Gage-height record, and records of daily discharges furnished by Corps of Engineers; records reviewed by Geological Survey.

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR 1971 WATER YEAR ARE PUBLISHED ON PAGE 147 OF THIS REPORT.

07367700 Boeuf River near Arkansas-Louisiana State line

LOCATION.--Lat 32°58'25", long 91°26'25", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.23 N., R.10 E., Morehouse-West Carroll Parish line, near left bank on downstream side of bridge on State Highway 835, 2.0 miles downstream from Arkansas-Louisiana State line, and 7.5 miles southwest of Kilbourne.

DRAINAGE AREA.--785 sq mi (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (annual maximum gage height and discharge below 200 cfs only). Gage-height record and occasional discharge measurements since May 1946 in files of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 74.11 ft above mean sea level (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 at same datum. May 4, 1959, to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962, to Apr. 6, 1969, auxiliary water-stage recorder 1.7 miles downstream at datum 74.35 ft above mean sea level.

AVERAGE DISCHARGE.--11 years (1958-68), 952 cfs (689,700 acre-ft per year).

EXTREMES.--Current year: Maximum gage height, 21.50 ft Jan. 5; minimum discharge, 14 cfs Aug. 10 (gage height, 0.93 ft), result of pumping for irrigation.
Period of record: Maximum gage height, 22.64 ft Feb. 23, 1961; no flow June 13-19, July 15, 16, 29, 30, 1966, result of pumping for irrigation.
1957-68: Maximum discharge, 16,500 cfs Feb. 11, 1960.
Maximum stage since 1946, 22.8 ft Feb. 15, 1948.

REMARKS.--Records poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow re-enters and passes stations Bayou Lafourche near Crew Lake, and Boeuf River near Girard. (See stations 07369000 and 07368000.) Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	42	48						151		82	106
2	46	40	58						117		68	90
3	46	37					194		81		60	80
4	49	35							58		56	90
5	73	34			161				45		45	100
6	58	34			194		198	168	36		34	130
7	46	37					168	120	32		25	127
8	44	36					106	92	29		21	122
9	45	33			154		79	71	61		17	100
10	46	33			126		77	58	49	188	14	95
11	48	34			112		73	58		133		159
12	50	34			109		73	88	194	116		127
13	50	34			123	175	83	148	97	111		90
14	40	34			117	144	85	101	75	88		68
15	20	34			112	151	71	63		68	173	58
16	25	34			90			46		66	116	54
17	30	37			77			42		51	82	56
18	30	54		190	123			40		60	66	66
19	35	112		165	123			35	158	66	53	84
20	35	114		148	92			35	94	50	50	100
21	42	99		141	88			37		39	49	106
22	42	75		137	83			43		30	51	
23	43	65	165	141	73	198		43		27	162	156
24	44	54	141	134	77	141		37		29		88
25	45	46	126	131	81	134	131	33		29		72
26	46	44	123	104	79	126	101	30		26		72
27	49	45	112	101	69	141	79	31		28		63
28	49	49	94	131	77		71	42		20		60
29	46	60	83		75			39		20		51
30	44	53	106		-----			53		34	152	53
31	42	-----	148		-----		-----	123	-----	82	124	-----
MAX	73	114	-	-	-	-	-	-	-	-	-	-
MIN	20	33	48	101	69	126	71	30	29	20	14	51

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, on downstream side of U. S. Highway 80 bridge, and 0.5 mile east of Girard.

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

AVERAGE DISCHARGE.--34 years, 412 cfs (298,500 acre-ft per year).

Period of record: Maximum discharge, 3,070 cfs May 2, 1958; maximum gage height, 21.51 ft May 6, 1958, present datum; minimum discharge, 9.9 cfs Aug. 17, 18, 1969; minimum gage height, 2.79 ft June 1, 2, 1972.

Maximum stage known, 31.7 ft May 7, 1927, present datum (affected by overflow from Mississippi River).

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	23	48	262	40	193	111	18	76	26	40
2	19	17	26	306	202	545	144	173	18	75	25	39
3	19	16	45	712	158	769	87	114	18	91	25	37
4	19	17	41	1,700	130	714	92	61	19	138	24	35
5	19	18	51	1,850	95	485	56	39	19	161	23	35
6	19	18	172	1,870	119	296	43	30	20	254	22	35
7	18	18	280	1,910	165	199	38	25	20	270	21	35
8	17	18	318	1,670	183	256	32	22	20	207	20	36
9	17	19	304	1,380	157	417	29	20	21	158	19	36
10	17	19	248	896	139	400	27	18	21	122	19	36
11	16	19	185	702	115	292	25	17	21	95	20	37
12	16	19	143	618	99	201	23	20	22	80	22	37
13	14	19	124	460	85	158	22	24	24	69	23	37
14	15	19	121	311	71	136	20	26	26	61	24	37
15	15	18	194	219	55	133	19	25	27	56	25	37
16	16	18	209	169	43	161	22	23	28	51	25	37
17	16	18	285	137	40	174	20	21	39	49	24	38
18	16	22	543	130	103	197	28	20	51	46	23	38
19	16	27	556	114	127	188	36	18	47	45	23	38
20	16	26	378	91	114	154	31	18	42	43	24	39
21	16	25	243	68	80	114	27	17	39	41	24	40
22	16	24	171	51	55	80	24	16	122	41	24	41
23	16	24	138	43	44	58	22	16	206	40	25	42
24	16	24	119	40	38	47	26	16	163	39	27	42
25	16	23	94	35	34	40	26	16	112	38	31	42
26	16	23	73	31	30	36	23	16	103	36	37	43
27	17	22	58	29	27	34	20	16	121	33	54	45
28	16	22	47	29	25	63	18	16	109	31	61	47
29	16	23	41	58	24	62	18	16	84	29	56	49
30	17	22	38	215	-----	94	23	17	75	28	48	50
31	17	-----	35	285	-----	196	-----	17	-----	27	43	-----
TOTAL	518	614	5,302	16,076	2,819	6,739	1,214	1,005	1,654	2,530	887	1,179
MEAN	16.7	20.5	171	519	97.2	217	40.5	32.4	55.1	81.6	28.6	39.3
MAX	19	27	556	1,870	262	769	193	173	206	270	61	50
MIN	14	16	23	29	24	34	18	16	18	27	19	35
AC-FT	1,030	1,220	10,520	31,890	5,590	13,370	2,410	1,990	3,280	5,020	1,760	2,340
CAL YR 1971	TOTAL 6,434											
WTR YR 1972	TOTAL 40,537											
	MEAN 17.6			MAX 556		MIN 12	AC-FT 12,760					
	MEAN 111			MAX 1,870		MIN 14	AC-FT 80,400					

07368500 Big Colewa Bayou near Oak Grove, La.

LOCATION.--Lat 32°47'55", long 91°30'05", in NE¼ sec.24, T.21 N., R.9 E., West Carroll Parish, on downstream side near center of bridge on State Highway 2, 0.1 mile downstream from Little Colewa Bayou, and 8 miles southwest of Oak Grove.

DRAINAGE AREA.--42 sq mi (see REMARKS).

PERIOD OF RECORD.--October 1949 to current year. Daily elevations since October 1940 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Auxiliary water-stage recorder 5.7 miles downstream at same datum as base gage. See WSP 1731 for history of changes prior to Jan. 11, 1955.

AVERAGE DISCHARGE.--23 years, 46.0 cfs (33,330 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,290 cfs Jan. 5 (elevation, 92.89 ft); no flow for many days.

Period of record: Maximum discharge, 2,050 cfs Mar. 22, 1955; maximum elevation, 95.22 ft Jan. 4, 1951 (present datum); no flow at times each year.

Maximum elevation known since 1940, 95.5 ft Apr. 12, 1947, (present datum), from records of Corps of Engineers.

REMARKS.--Records poor. 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. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

COOPERATION.--Base gage elevation record furnished by Corps of Engineers.

REVISIONS.--WSP 1241: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	.42	100	30	78	8.3	24	0	.35	0	.68
2		0	1.2	716	8.5	660	3.9	6.9	0	.17	0	.45
3		0	51	702	5.3	600	2.6	5.3	0	.10	0	.30
4		0	14	1,130	3.2	252	1.8	4.1	0	7.7	0	.21
5		0	6.4	1,280	2.3	42	1.6	2.6	0	180	0	.17
6		0	144	750	49	6.6	1.6	1.6	0	49	0	.12
7		0	281	350	162	4.2	1.5	1.1	0	8.9	0	.12
8		0	46	250	28	559	1.2	.82	0	3.7	0	.08
9		0	8.3	200	8.5	451	1.1	.58	0	2.0	0	.04
10		0	3.9	650	5.0	144	.85	.45	0	4.3	0	0
11		0	3.0	600	3.4	16	.72	.28	0	4.7	0	0
12		0	3.8	433	3.7	5.3	.60	4.3	0	1.3	0	0
13		0	5.6	174	3.9	3.2	.48	27	0	.75	0	0
14		0	5.3	14	3.1	2.2	.35	9.6	0	.48	0	0
15		0	11	5.6	2.4	1.9	.28	4.0	0	.30	0	0
16		0	50	3.2	2.0	81	7.2	2.0	19	.12	0	.33
17		0	884	2.2	1.8	44	5.2	1.4	18	.02	0	1.6
18		0	940	1.7	16	11	3.2	.91	6.6	0	0	1.4
19		.30	553	1.6	7.9	4.5	1.8	.70	3.4	0	0	1.2
20		1.8	260	1.6	4.0	2.6	1.2	.50	1.8	0	0	.97
21		1.5	68	1.5	2.7	2.0	1.2	.30	14	0	0	1.0
22		1.3	7.7	1.4	2.0	1.9	30	.21	17	0	0	8.3
23		1.4	3.7	1.4	1.6	1.8	18	.12	6.3	0	0	6.9
24		1.3	2.5	1.2	1.3	1.6	5.5	.10	2.9	0	.27	3.0
25		1.1	1.8	1.1	1.0	1.4	2.7	.04	2.0	0	20	1.6
26		.97	1.5	1.0	.78	1.3	1.6	0	1.8	0	74	1.2
27		.80	1.2	1.0	.85	1.3	1.2	0	1.3	0	83	1.0
28		.72	1.1	1.1	.80	35	.85	0	.94	0	6.9	1.1
29		.62	.91	69	.68	526	70	0	.68	0	2.5	.80
30		.50	1.1	426	-----	304	118	0	.48	0	1.5	.72
31		-----	2.8	202	-----	46	-----	0	-----	0	.97	-----
TOTAL	0	12.31	3,364.23	8,071.6	361.71	3,890.8	294.53	98.91	96.20	263.89	189.14	33.29
MEAN	0	.41	109	260	12.5	126	9.82	3.19	3.21	8.51	6.10	1.11
MAX	0	1.8	940	1,280	162	660	118	27	19	180	83	8.3
MIN	0	0	.42	1.0	.68	1.3	.28	0	0	0	0	0
AC-FT	0	24	6,670	16,010	717	7,720	584	196	191	523	375	66
CAL YR 1971:	TOTAL	19,323.87	MEAN	52.9	MAX	1,220	MIN	0	AC-FT	38,330		
WTR YR 1972:	TOTAL	16,676.61	MEAN	45.6	MAX	1,280	MIN	0	AC-FT	33,080		

07369000 Bayou Lafourche near Crew Lake, La.

LOCATION.--Lat 32°29'55", long 91°55'05", in SW¹/₄ sec.36, T.18 N., R.5 E., Ouachita-Richland Parish line, near center of span on downstream side of bridge on U. S. Highway 80, 1.1 miles upstream from Illinois Central Railroad bridge, and 2.5 miles west of town of Crew Lake.

DRAINAGE AREA.--361 sq mi (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 mean sea level (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. Since Oct. 1, 1957, auxiliary water-stage recorder 9.5 miles downstream at mean sea level datum.

AVERAGE DISCHARGE.--34 years, 1,412 cfs (1,023,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 19,900 cfs Jan. 7 (gage height, 26.64 ft); minimum, 59 cfs Nov. 12 (gage height, 1.57 ft). Period of record: Maximum discharge, 26,800 cfs May 2, 1958; maximum gage height, 27.55 ft Feb. 14, 1966; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

A discharge of 17,000 cfs was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

REMARKS.--Records poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

COOPERATION.--Auxiliary gage-height record furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	83	209	558	3,280	1,610	1,430	3,340	166	1,450	168	261
2	81	80	313	8,540	1,820	7,320	714	1,520	205	1,540	190	218
3	79	80	1,190	14,300	1,200	10,600	620	1,240	178	1,470	186	184
4	80	66	2,380	16,800	600	7,470	503	1,110	158	1,640	130	176
5	85	64	1,930	18,800	200	3,350	672	833	166	4,360	119	227
6	94	73	2,200	19,700	1,070	1,540	497	555	140	5,480	102	254
7	97	86	6,010	19,700	2,740	923	373	450	112	3,040	102	236
8	85	65	5,100	18,100	1,610	3,700	329	412	101	1,480	90	218
9	84	69	3,090	14,800	788	6,680	254	412	91	1,120	78	218
10	79	70	1,940	11,600	664	3,990	216	426	102	725	140	188
11	72	66	1,880	12,200	515	1,850	207	395	137	461	88	186
12	77	66	1,410	10,800	431	1,060	188	540	340	356	233	231
13	80	67	2,780	6,310	479	783	188	1,050	273	334	461	201
14	80	68	4,280	3,730	447	678	203	932	216	342	441	158
15	78	72	3,420	3,130	497	740	192	752	400	342	395	135
16	80	71	2,840	2,190	473	2,000	534	630	3,000	316	316	129
17	78	67	10,400	1,320	351	3,890	2,260	536	2,000	256	249	132
18	80	105	11,700	1,000	857	3,420	1,550	415	967	209	205	121
19	77	415	9,840	900	779	1,910	772	313	515	188	184	127
20	76	429	4,760	700	521	1,070	438	252	316	186	192	149
21	75	266	1,590	600	362	960	362	227	1,540	162	186	162
22	76	184	1,190	500	337	799	1,010	160	3,060	151	170	245
23	76	174	858	450	264	719	1,510	124	1,790	126	174	308
24	74	172	642	400	247	650	796	103	1,150	122	332	252
25	78	155	521	350	233	546	398	96	854	119	946	176
26	76	198	477	320	273	485	259	89	1,720	108	1,230	180
27	78	218	392	310	218	458	201	89	1,580	90	1,200	324
28	87	149	371	300	194	1,060	170	86	1,010	79	857	227
29	84	153	346	660	207	2,610	962	87	1,340	80	567	168
30	84	168	348	4,640	-----	4,610	3,980	105	1,530	87	406	203
31	87	-----	401	5,060	-----	3,420	-----	116	-----	119	324	-----
TOTAL	2,502	3,999	84,808	198,768	21,657	80,901	21,788	17,395	25,157	26,538	10,461	5,994
MEAN	80.7	133	2,736	6,412	747	2,610	726	561	839	856	337	200
MAX	97	429	11,700	19,700	3,280	10,600	3,980	3,340	3,060	5,480	1,230	324
MIN	72	64	209	300	194	458	170	86	91	79	78	121
AC-FT	4,960	7,930	168,200	394,300	42,960	160,500	43,220	34,500	49,900	52,640	20,750	11,890
CAL YR 1971:	TOTAL	517,557	MEAN	1,418	MAX	17,100	MIN	51	AC-FT	1,027,000		
WTR YR 1972:	TOTAL	499,968	MEAN	1,366	MAX	19,700	MIN	64	AC-FT	991,700		

07369370 Lake Providence at Lake Providence, La.

LOCATION.--Lat 32°50'40", long 91°13'25", in sec.13, T.21 N., R.12 E., East Carroll Parish, on upstream side of Baxter Bayou bridge on U. S. Highway 65, 3.0 miles northwest of village of Lake Providence.

DRAINAGE AREA.--18.7 sq mi.

PERIOD OF RECORD.--January 1967 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum elevation, 93.57 ft Jan. 5; minimum, 89.15 ft Nov. 17, 18.

Period of record: Maximum elevation, 93.57 ft Jan. 5, 1972; minimum, 88.31 ft Dec. 5, 1969.

REMARKS.--Reservoir is used for recreation and is formed from an oxbow lake by a concrete dam on Tensas Bayou and a weir on Baxter Bayou. Crest of the spillway in the dam and the weir is 89.5 ft above mean sea level. Reservoir capacity is unknown.

ELEVATION, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89.67	89.36	89.18	90.32	91.05	90.10	90.43	89.93	89.86	89.81	89.60	89.39
2	89.66	89.35	89.17	91.06	90.97	90.35	90.39	89.94	89.84	89.80	89.58	89.37
3	89.65	89.34	89.36	91.36	90.67	90.48	90.35	89.93	89.82	89.78	89.56	89.36
4	89.64	89.30	89.37	92.73	90.80	90.45	90.34	89.91	89.80	90.00	89.55	89.34
5	89.63	89.28	89.37	93.51	90.72	90.41	90.31	89.90	89.78	90.01	89.53	89.38
6	89.63	89.26	89.52	93.55	90.66	90.37	90.27	89.90	89.76	90.04	89.52	89.37
7	89.60	89.25	89.81	93.39	90.76	90.33	90.25	89.88	89.75	90.00	89.50	89.36
8	89.59	89.22	89.85	93.23	90.70	90.46	90.20	89.89	89.74	89.97	89.46	89.35
9	89.57	89.22	89.85	93.05	90.65	90.45	90.15	89.87	89.72	89.94	89.45	89.34
10	89.54	89.20	89.86	93.27	90.59	90.42	90.13	89.85	89.70	89.92	89.43	89.32
11	89.52	89.19	89.85	93.43	90.53	90.37	90.11	89.84	89.71	89.90	89.40	89.30
12	89.50	89.18	89.85	93.28	90.51	90.34	90.10	89.84	89.70	89.88	89.44	89.29
13	89.49	89.17	89.89	93.12	90.46	90.30	90.08	90.46	89.70	89.86	89.43	89.27
14	89.48	89.16	89.88	92.86	90.42	90.26	90.06	90.52	89.70	89.90	89.42	89.25
15	89.47	89.16	89.92	92.65	90.37	90.23	90.05	90.49	89.70	89.90	89.40	89.24
16	89.47	89.16	89.93	92.46	90.32	90.28	90.05	90.45	89.86	89.87	89.49	89.23
17	89.47	89.15	90.66	92.30	90.27	90.25	90.02	90.41	89.84	89.85	89.48	89.24
18	89.46	89.15	91.12	92.15	90.35	90.20	90.00	90.40	89.83	89.84	89.48	89.32
19	89.46	89.26	91.13	92.03	90.32	90.17	89.97	90.35	89.81	89.82	89.47	89.30
20	89.45	89.25	91.07	91.89	90.28	90.15	89.96	90.29	89.79	89.80	89.45	89.29
21	89.44	89.24	91.01	91.78	90.25	90.14	89.95	90.24	89.81	89.78	89.44	89.28
22	89.43	89.22	90.92	91.67	90.22	90.12	90.06	90.18	89.80	89.76	89.42	89.35
23	89.42	89.23	90.85	91.56	90.20	90.10	90.05	90.15	89.78	89.74	89.40	89.35
24	89.42	89.20	90.77	91.46	90.18	90.05	90.04	90.10	89.77	89.72	89.38	89.35
25	89.41	89.20	90.70	91.36	90.16	90.03	89.98	90.06	89.75	89.71	89.43	89.33
26	89.40	89.19	90.64	91.25	90.12	90.02	89.94	90.01	89.82	89.69	89.48	89.34
27	89.40	89.18	90.57	91.15	90.10	90.00	89.92	89.98	89.80	89.66	89.48	89.34
28	89.39	89.17	90.52	91.08	90.09	90.09	89.90	89.95	89.78	89.65	89.46	89.34
29	89.38	89.20	90.45	91.04	90.08	90.44	89.95	89.92	89.82	89.63	89.44	89.33
30	89.37	89.18	90.41	91.16	-----	90.52	89.94	89.91	89.82	89.61	89.42	89.35
31	89.36	-----	90.37	91.12	-----	90.48	-----	89.88	-----	89.60	89.40	-----
MAX	89.67	89.36	91.13	93.55	91.05	90.52	90.43	90.52	89.86	90.04	89.60	89.39
MIN	89.36	89.15	89.17	90.32	90.08	90.00	89.90	89.84	89.70	89.60	89.38	89.23

07369500 Tensas River at Tandal, La.

LOCATION.--Lat 32°25'55", long 91°22'00", in NW¹ sec.29, T.17 N., R.11 E., Madison Parish, near left bank on upstream side of bridge on U. S. Highway 80 at Tandal, 200 ft upstream from Illinois Central Railroad bridge, and 3 miles east of Waverly.

DRAINAGE AREA.--309 sq mi (see REMARKS).

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft above mean sea level. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944, to Sept. 14, 1954, nonrecording gage at same site and datum. Auxiliary water-stage recorder 3.5 miles downstream at datum 50.07 ft above mean sea level. Feb. 19, 1945, to Nov. 27, 1951, auxiliary nonrecording gage 9.5 miles downstream at datum 46.65 ft above mean sea level. Nov. 28, 1951, to Sept. 30, 1957, auxiliary nonrecording gage at present site at datum 0.31 ft lower. Oct. 1, 1957, to Nov. 8, 1962, auxiliary nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--36 years (1936-72), 306 cfs (221,700 acre-ft per year).

EXTREMES.--Current year: Maximum daily discharge, 3,100 cfs Jan. 5, 6; maximum gage height, 23.32 ft Jan. 6; minimum daily discharge, 7.0 cfs Sept. 20; minimum gage height, 7.12 ft May 4.

Period of record: Maximum discharge, 4,610 cfs Nov. 19, 1948; maximum gage height, 24.78 ft Nov. 20, 1948; minimum daily discharge, 2.8 cfs Dec. 8, 1954, but may have been less during period of indefinite stage-discharge relation in October 1954.

Maximum stage known, 34.02 ft May 15, 1927 (affected by overflow from Mississippi River).

REMARKS.--Records poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	14	12	315	1,060	63	170	50	36	63	9.5	10
2	21	14	12	1,000	757	745	150	50	33	60	8.9	10
3	20	14	23	1,570	568	1,530	140	45	25	47	8.6	10
4	20	14	57	1,060	356	1,160	160	47	25	46	8.3	9.8
5	18	14	76	3,100	286	852	160	40	22	78	8.0	11
6	18	14	431	2,100	344	632	150	25	15	157	8.0	12
7	17	14	2,080	3,080	1,260	455	140	20	16	244	7.8	12
8	17	14	1,810	2,510	1,170	916	120	17	16	314	7.8	12
9	17	14	1,570	2,650	889	1,190	110	15	13	354	7.8	12
10	16	15	1,310	2,630	678	908	100	14	12	351	7.6	11
11	16	15	1,120	2,490	508	656	90	16	13	314	7.8	11
12	16	16	580	2,260	414	513	85	44	13	245	7.8	10
13	16	15	550	2,020	357	364	80	578	13	230	9.8	9.5
14	15	14	850	1,700	320	280	75	850	13	258	12	8.6
15	15	13	690	1,410	280	211	70	780	17	228	13	8.3
16	15	13	900	1,140	225	331	50	650	31	175	14	7.8
17	15	12	2,070	965	187	386	90	510	118	130	14	7.6
18	15	14	2,150	957	587	308	85	364	240	95	14	7.4
19	14	15	1,740	788	842	235	80	250	315	65	15	7.4
20	14	18	1,460	705	586	188	80	220	328	50	14	7.0
21	14	18	1,400	620	400	161	75	170	354	32	14	7.2
22	14	16	1,290	556	276	146	70	130	230	26	13	7.8
23	14	15	1,120	463	200	133	65	110	170	20	13	8.6
24	14	13	940	388	156	118	65	50	128	16	13	9.2
25	14	12	800	327	120	105	65	80	103	13	13	9.5
26	14	12	650	277	56	55	65	70	112	13	13	10
27	14	11	589	242	74	88	65	60	92	12	13	12
28	14	11	521	214	57	126	60	55	71	11	12	12
29	14	11	461	272	47	195	55	50	54	11	11	12
30	14	10	355	1,270	-----	208	50	45	45	10	11	15
31	14	-----	351	1,380	-----	156	-----	40	-----	9.8	11	-----
TOTAL	490	419	28,838	43,803	13,184	13,554	2,860	5,549	2,626	3,685.8	340.9	298.3
MEAN	15.8	14.0	930	1,412	455	437	95.3	176	87.5	119	11.0	9.94
MAX	21	15	2,150	3,100	1,260	1,530	170	850	328	354	15	15
MIN	14	10	12	214	47	63	50	14	13	9.8	7.6	7.0
AC-FT	972	831	57,200	86,880	26,150	26,880	5,670	11,010	5,210	7,210	676	592
CAL YR 1971	TOTAL 128,276.0			MEAN 351	MAX 2,670	MIN 10	AC-FT 254,400					
WTR YR 1972	TOTAL 115,648.0			MEAN 316	MAX 3,100	MIN 7.0	AC-FT 225,400					

07369700 Bayou Macon near Kilbourne, La.

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

DRAINAGE AREA.--504 sq mi (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (annual maximum gage height and discharge below 200 cfs only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft higher.

AVERAGE DISCHARGE.--11 years (1958-68), 508 cfs (368,000 acre-ft per year).

EXTREMES.--Current year: Maximum gage height, 23.32 ft Jan. 5; minimum daily discharge, 88 cfs Nov. 26.

Period of record: Maximum gage height, 26.35 ft May 5, 1958, present datum; no flow June 11, 1963, result of pumping for irrigation.

1957-68: Maximum discharge, 4,740 cfs May 5, 1958.

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces and interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	89	89			154			106		112	143
2	95	89	92						101		106	142
3	98	89	186						104		111	137
4	99	89	194						92		122	133
5	106	89	150						92		109	135
6	102	89							91		102	134
7	100	90							91		104	136
8	98	89							90		100	142
9	97	89							90		96	164
10	95	89	200						92		96	176
11	94	89	164						94		95	183
12	93	89	163						100		94	189
13	93	89							120			195
14	93	89							130		165	195
15	93	89								183	137	178
16	93	89								163	114	174
17	93	89						186		141	114	184
18	92	96						172		130	116	184
19	92	117						171	159	110	108	167
20	92	97			193			166	110	100	106	159
21	92	93			177			134		90	110	155
22	91	90			169			120		95	101	179
23	94	92	198		164			113		100	135	185
24	93	91	183		157			101	192	110	157	175
25	90	89	172		155			119	186	120		161
26	90	88	163		154			106		136		153
27	89	89	155		153			100	187	165	183	160
28	89	89	148		145		191	102	141	152	181	141
29	89	92	143		140			105	140	124	176	137
30	89	90	156		-----			114	135	116	177	145
31	89	-----	156		-----		-----	114	-----	117	155	-----
MAX	106	117	-		-	-	-	-	-	-	-	195
MIN	89	88	89		140	154	191	100	90	90	94	133

LOCATION.--Lat 32°27'25", long 91°28'30", in $\frac{1}{2}$ sec.18, T.17 N., R.10 E., Richland-Madison Parish line, near right bank on downstream side of bridge on U. S. Highway 80, 0.2 mile upstream from Illinois Central Railroad bridge, and 1 mile east of Delhi.

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 U. S. Weather Bureau; 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 50.05 ft above mean sea level (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 miles downstream at datum 46.05 ft above mean sea level. Feb. 16, 1945, to Oct. 26, 1962, auxiliary nonrecording gage; Oct. 27, 1962, to Nov. 10, 1964, auxiliary water-stage recorder; and Nov. 11, 1964, to May 10, 1965, auxiliary nonrecording gage at site 0.2 mile upstream. May 11, 1965, to Mar. 9, 1972, nonrecording gage. Prior to Oct. 1, 1964, at datum 2.00 ft lower.

EXTREMES.--Current year: Maximum daily discharge, 8,500 cfs Jan. 5; maximum gage height, 22.48 ft Jan. 5, 6; minimum discharge, 88 cfs Aug. 14 (gage height, 5.66 ft).

Period of record: Maximum discharge, 9,050 cfs Feb. 13, 1966; maximum gage height, 26.00 ft May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, result of temporary dam.

Maximum stage known, 37.5 ft in March 1882, from records of U. S. Weather Bureau (affected by overflow from Mississippi River).

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces and interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	149	137	300	1,450	368	1,080	1,340	187	298	176	248
2	129	147	147	2,010	1,010	1,480	828	1,350	191	326	163	236
3	129	146	255	3,000	864	2,460	710	1,110	192	405	158	227
4	137	135	258	6,700	781	2,270	686	894	172	564	157	221
5	143	125	250	9,500	705	1,350	643	702	150	906	159	223
6	143	129	500	8,400	948	931	596	575	126	1,240	155	218
7	145	133	1,000	7,600	1,770	803	528	506	113	1,160	146	215
8	143	125	800	7,300	1,380	1,870	480	453	110	965	135	216
9	143	127	500	6,300	900	2,510	420	408	109	793	133	216
10	141	129	350	5,700	658	2,180	388	369	114	669	128	216
11	133	123	250	5,500	537	1,400	365	340	138	570	116	224
12	135	119	250	5,100	508	974	355	750	199	472	110	262
13	137	119	600	4,100	519	771	336	1,490	307	421	102	276
14	137	119	550	3,700	454	640	323	1,050	339	355	99	270
15	137	123	459	2,900	423	554	300	592	294	324	165	275
16	141	123	712	2,500	371	861	321	400	467	300	206	272
17	141	119	1,870	2,200	353	967	343	332	731	268	207	266
18	143	135	2,970	1,880	1,000	818	395	299	602	254	205	268
19	145	155	3,020	1,220	927	689	403	266	418	242	206	282
20	143	147	2,200	976	568	649	384	244	309	217	204	269
21	143	155	1,060	984	409	632	368	238	253	194	196	252
22	145	147	586	827	358	598	426	229	283	190	186	277
23	149	139	413	779	301	559	664	208	425	185	178	323
24	151	137	343	742	285	511	727	185	400	170	171	299
25	155	133	300	725	264	480	581	169	342	162	200	277
26	151	127	272	661	269	439	445	161	315	167	308	278
27	149	131	256	609	244	420	373	170	318	178	428	269
28	153	127	245	589	234	602	339	169	321	187	378	251
29	153	131	229	722	251	1,110	332	167	266	207	316	248
30	153	137	237	1,890	-----	1,780	748	181	274	208	283	250
31	155	-----	254	2,080	-----	1,510	-----	181	-----	194	262	-----
TOTAL	4,433	3,994	21,273	96,394	18,741	33,186	14,887	15,528	8,465	12,791	6,036	7,623
MEAN	143	133	686	3,109	646	1,071	496	501	282	413	195	254
MAX	155	155	3,020	8,500	1,770	2,510	1,080	1,490	731	1,240	428	323
MIN	129	119	137	300	234	368	300	161	109	162	99	216
AC-FT	8,790	7,920	42,200	191,200	37,170	65,820	29,530	30,				

07371500 Dugdemona River near Jonesboro, La.

LOCATION.--Lat 32°12'25", long 92°48'05", in SW $\frac{1}{4}$ sec. 8, T.14 N., R.4 W., Bienville-Jackson Parish line, on left bank just downstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 miles downstream from McDonald Creek, and 5.4 miles southwest of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 sq mi.

PERIOD OF RECORD.--October 1938 to September 1957. November 1957 to current year (annual maximum and gage height only).

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft above mean sea level. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 7,530 cfs Jan. 5 (gage height, 15.21 ft); minimum gage height, 3.49 ft Aug. 11.

Period of record: Maximum discharge, 30,600 cfs Jan. 1, 1945 (gage height, 19.87 ft); minimum gage height, 2.67 ft Sept. 26, 1955.

1938-57: Minimum observed, 0.4 cfs Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

REMARKS.--Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 miles above station. Part of effluent is discharged continually whenever mill is operating, but that containing waste material is stored in a reservoir and released whenever river flow is sufficient to materially dilute it.

REVISIONS.--WRD 1971: Drainage area.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.74	3.74	4.10	6.42	11.52	6.41	7.30	5.18	3.90	4.41	4.02	3.84
2	3.71	3.71	4.04	9.66	11.57	7.72	6.49	8.29	3.81	4.63	3.96	3.74
3	3.71	3.71	4.61	11.39	11.31	9.57	6.06	10.19	3.80	4.08	4.00	3.68
4	3.72	3.67	6.66	13.28	10.69	10.03	5.76	10.57	3.80	4.87	3.87	3.67
5	3.73	3.67	6.38	15.00	9.94	10.15	5.62	10.44	3.76	8.28	3.75	3.71
6	3.74	3.67	7.77	15.03	9.21	9.66	6.00	10.00	3.64	8.50	3.69	3.72
7	3.74	3.67	9.03	13.99	10.75	8.82	6.81	8.61	3.57	6.98	3.62	3.67
8	3.73	3.74	9.19	13.05	11.65	8.05	6.44	6.92	3.51	5.49	3.58	3.62
9	3.74	3.70	9.06	12.33	11.85	7.41	5.95	6.00	3.58	4.67	3.50	3.98
10	3.75	3.75	8.77	11.80	11.53	7.15	5.61	5.58	3.61	4.35	3.51	3.87
11	3.86	3.75	8.19	11.52	10.91	6.88	5.34	5.39	3.88	4.89	3.49	3.78
12	3.82	3.71	7.40	12.30	10.23	6.57	5.15	5.17	3.77	5.28	3.52	3.74
13	3.78	3.71	7.61	12.94	9.79	6.37	5.03	6.00	3.69	4.63	3.56	3.71
14	3.77	3.72	8.01	12.27	9.67	6.28	4.90	6.54	3.91	4.46	3.61	3.67
15	3.78	3.75	8.61	11.59	9.54	6.21	4.83	6.72	3.95	4.25	3.63	3.65
16	3.82	3.74	9.25	10.89	9.25	6.17	4.79	6.23	3.87	4.03	3.61	3.68
17	3.80	3.74	10.32	10.10	8.81	6.46	4.94	5.44	3.89	3.93	3.57	3.68
18	3.82	3.75	12.62	9.31	8.63	7.87	7.52	4.95	3.92	3.84	3.53	3.83
19	3.84	4.72	13.02	8.82	9.14	8.42	7.77	4.67	3.85	3.84	3.55	3.75
20	3.84	4.87	12.79	8.78	9.14	7.78	6.40	4.46	3.77	3.79	3.56	3.70
21	4.16	4.31	12.17	9.20	8.83	6.97	5.49	4.34	3.64	3.58	3.57	3.06
22	4.14	5.27	11.43	9.41	8.32	6.98	7.78	4.25	3.68	3.57	3.57	3.07
23	3.90	5.09	10.52	9.44	7.79	7.13	9.61	4.14	3.79	3.66	3.60	3.74
24	3.83	4.71	9.56	9.21	7.56	7.14	9.74	4.06	3.84	3.81	4.04	3.83
25	3.82	4.44	8.66	-	7.42	6.74	9.17	4.00	3.85	3.88	4.05	4.65
26	3.80	4.24	7.86	-	7.30	6.52	7.56	3.87	3.99	3.84	4.21	4.56
27	3.76	4.12	7.31	-	7.10	6.44	6.03	3.80	3.96	3.74	4.76	4.71
28	3.75	4.08	6.95	-	6.82	6.29	5.35	3.74	3.77	3.66	4.93	5.28
29	3.77	4.15	6.62	7.16	6.55	6.30	5.23	3.79	3.68	3.66	4.33	7.24
30	3.77	4.25	6.47	9.84	-----	6.97	5.22	3.87	3.65	4.09	4.04	8.40
31	3.76	-----	6.41	10.97	-----	7.83	-----	4.01	-----	4.10	3.95	-----
MAX	4.16	5.27	13.02	15.03	11.85	10.15	9.74	10.57	3.99	8.50	4.93	8.40
MIN	3.71	3.67	4.04	6.42	6.55	6.17	4.79	3.74	3.51	3.57	3.49	3.62

DAY	JCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	15	35	300	1,510	298	255	134	23	23	28	45
2	20	15	38	633	1,630	452	261	658	22	20	35	35
3	18	14	64	1,010	1,650	711	271	744	22	18	39	29
4	18	14	95	2,230	1,540	789	241	735	23	37	34	25
5	18	13	110	3,710	1,420	835	193	834	21	240	31	25
6	16	13	322	5,050	1,350	803	154	852	19	359	29	22
7	14	12	556	7,490	1,310	738	129	801	18	339	25	18
8	14	12	515	7,870	1,220	704	122	762	17	302	22	17
9	13	12	468	6,500	1,170	678	143	713	17	273	19	17
10	13	12	471	4,860	1,210	612	162	599	16	203	16	17
11	13	12	478	3,710	1,280	493	150	384	14	153	14	17
12	13	12	487	3,010	1,370	372	123	245	13	114	18	17
13	13	13	495	2,460	1,440	292	102	440	12	96	25	20
14	14	14	490	2,010	1,410	251	86	418	17	90	21	21
15	15	14	452	1,760	1,290	228	77	376	30	82	17	20
16	16	14	499	1,790	1,130	315	75	294	34	64	18	19
17	17	14	860	1,910	969	433	69	236	33	52	21	21
18	16	18	1,130	1,840	853	471	66	197	50	50	18	19
19	16	20	1,140	1,650	769	429	63	144	50	48	17	17
20	16	19	1,130	1,460	688	349	101	98	36	33	15	16
21	17	23	1,180	1,320	620	387	195	71	29	26	13	19
22	17	41	1,400	1,140	562	483	238	57	26	27	12	24
23	17	54	1,760	961	537	498	267	47	24	26	15	26
24	18	53	1,950	805	524	468	281	41	22	23	13	22
25	23	59	1,870	680	489	400	335	37	19	19	22	20
26	25	62	1,650	612	435	348	408	33	19	17	38	21
27	22	57	1,380	578	375	314	458	29	20	17	48	22
28	19	49	1,120	541	329	287	466	27	21	20	49	35
29	17	41	848	529	299	330	372	24	22	23	44	46
30	16	36	575	1,010	-----	358	200	23	23	24	48	60
31	15	-----	379	1,360	-----	291	-----	24	-----	24	52	-----
TOTAL	521	757	23,947	70,789	29,379	14,417	6,063	10,077	712	2,842	816	732
MEAN	16.8	25.2	772	2,284	1,013	465	202	325	23.7	91.7	26.3	24.4
MAX	25	62	1,950	7,870	1,650	835	466	852	50	359	52	60
MIN	13	12	35	300	299	228	63	23	12	17	12	16
AC-FT	1,030	1,500	47,500	140,400	58,270	28,600	12,030	19,990	1,410	5,640	1,620	1,450
CAL YR 1971	TOTAL	123,503	MEAN	338	MAX	6,810	MIN	11	AC-FT	245,000		
WTR YR 1972	TOTAL	161,052	MEAN	440	MAX	7,870	MIN	12	AC-FT	319,400		

07372200 Little River near Rochelle, La.

LOCATION.--Lat 31°45'15", long 92°20'40", in SW¼SW¼ sec.14, T.9 N., R.1 E., La Salle-Grant Parish line, 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 miles northeast of Zenoria, and 3 miles southeast of Rochelle.

DRAINAGE AREA.--1,880 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft above mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder 5 miles upstream at same datum. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 miles upstream at same datum.

AVERAGE DISCHARGE.--15 years, 1,671 cfs (12.07 inches per year, 1,211,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 16,900 cfs Jan. 7 (gage height, 35.03 ft); minimum discharge, 18 cfs Nov. 16 (gage height, 5.13 ft).

Period of record: Maximum discharge, 51,900 cfs Apr. 11, 1968 (gage height, 39.88 ft); minimum daily, 14 cfs Oct. 20-29, 1967; minimum gage height, 5.10 ft Oct. 27, 28, 29, 1967.

REMARKS.--Records good. Natural flow is supplemented by effluent from operation of several oilfields above station. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	59	30	99	1,380	4,420	1,010	2,220	520	102	90	62	81		
2	55	28	126	1,470	4,590	2,230	1,580	800	90	80	57	73		
3	50	27	448	1,800	4,690	3,900	1,080	1,500	80	75	54	71		
4	46	25	798	3,310	4,710	4,480	847	1,900	70	123	51	71		
5	44	23	974	5,130	4,610	4,590	739	1,800	62	182	52	66		
6	45	22	1,720	8,620	4,440	4,370	655	1,700	58	256	54	56		
7	44	21	2,640	16,700	4,440	4,030	572	1,450	53	347	53	48		
8	41	20	2,850	15,300	4,670	3,650	502	1,300	49	431	50	42		
9	40	21	2,900	15,100	4,740	3,240	459	1,200	45	462	47	36		
10	38	21	2,700	13,800	4,540	2,670	438	1,100	42	463	45	32		
11	34	21	2,300	12,000	4,140	2,110	441	1,050	40	439	42	29		
12	32	21	1,920	10,200	3,720	1,720	442	1,620	40	399	39	26		
13	30	21	1,570	8,740	3,530	1,500	421	2,760	55	349	48	24		
14	29	21	1,360	6,320	3,400	1,250	380	2,890	60	295	81	22		
15	28	19	1,340	2,850	3,260	1,060	430	2,370	123	246	68	22		
16	27	19	1,700	2,600	3,120	1,210	427	1,680	158	213	80	21		
17	28	19	3,020	2,500	2,950	1,500	323	1,220	131	199	80	21		
18	28	23	3,870	3,000	2,850	1,700	322	1,000	141	187	62	22		
19	28	40	4,500	3,500	2,900	1,710	313	800	127	173	48	22		
20	29	51	5,000	4,000	2,900	1,580	292	600	109	170	42	22		
21	30	74	5,300	4,600	2,760	1,430	262	500	90	156	40	22		
22	31	95	5,300	4,880	2,510	1,340	315	450	73	135	38	22		
23	30	112	5,010	4,840	2,170	1,330	450	350	66	118	42	21		
24	29	112	4,500	4,580	1,880	1,320	550	300	62	104	42	21		
25	29	104	3,930	4,090	1,660	1,270	600	260	60	89	41	24		
26	31	106	3,390	3,200	1,520	1,180	620	230	60	83	43	26		
27	32	105	2,960	2,250	1,420	1,060	640	200	70	123	48	28		
28	31	106	2,690	1,610	1,300	1,020	660	170	80	153	60	21		
29	31	109	2,520	1,380	1,130	1,620	700	150	90	121	73	29		
30	33	105	2,250	2,610	-----	2,460	600	130	96	89	85	32		
31	32	-----	1,870	3,970	-----	2,580	-----	115	-----	73	87	-----		
TOTAL	1,094	1,521	81,555	176,330	94,970	66,120	18,280	32,115	2,382	6,423	1,714	1,063		
MEAN	35.3	50.7	2,631	5,688	3,275	2,133	609	1,036	79.4	207	55.3	35.4		
MAX	59	112	5,300	16,700	4,740	4,590	2,220	2,890	158	463	87	81		
MIN	27	19	99	1,380	1,130	1,010	262	115	40	73	38	21		
CFSM	.02	.03	1.40	3.03	1.74	1.13	.32	.55	.04	.11	.03	.02		
IN.	.02	.03	1.61	3.49	1.88	1.31	.36	.64	.05	.13	.03	.02		
AC-FT	2,180	3,020	161,800	349,800	188,400	131,100	36,260	63,700	4,720	12,740	3,400	2,110		
CAL YR 1971	TOTAL	442,834	MEAN	1,213	MAX	16,200	MIN	19	CFSM	.65	IN.	8.76	AC-FT	878,400
WTR YR 1972	TOTAL	483,567	MEAN	1,321	MAX	16,700	MIN	19	CFSM	.70	IN.	9.57	AC-FT	959,200

07373000 Big Creek at Pollock, La.
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW¼SE¼ sec.31, T.7 N., R.1 E., Grant Parish, near right bank on downstream side of bridge on U. S. Highway 165, 0.5 mile upstream from Sugar Branch, 0.6 mile upstream from Missouri Pacific Railroad Co. bridge, 0.8 mile upstream from water-supply diversion dam, 0.8 mile north of Pollock, and 1.3 miles downstream from Dyson Creek.

DRAINAGE AREA.--51 sq mi.

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

GAGE.--Duplex water-stage recorder (rain gage, water stage, and water temperature combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft above mean sea level. Prior to Feb. 25, 1942, nonrecording gage and Feb. 25, 1942, to June 21, 1955, water-stage recorder, at site 0.3 mile downstream at same datum, June 21, 1955, to May 18, 1964, water-stage recorder at present site and datum.

AVERAGE DISCHARGE.--30 years, 57.1 cfs (15.20 inches per year, 41,390 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 871 cfs Dec. 6 (gage height, 8.28 ft); minimum, 6.5 cfs Sept. 15 (gage height, 2.70 ft). Period of record: Maximum discharge, 23,500 cfs Apr. 29, 1953 (gage height, 18.03 ft, 16.90 ft, site then in use); minimum, 3.7 cfs Sept. 29, 1956 (gage height, 1.08 ft).

REMARKS.--Records good. Supplementary recording rain gage 3.8 miles northwest of gaging station since June 26, 1964. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	11	9.9	15	31	67	29	34	18	12	11	15	8.8		
2	11	9.9	60	101	54	476	31	46	12	11	14	8.8		
3	11	9.6	239	62	46	288	30	39	11	13	14	8.5		
4	11	9.0	47	375	39	73	28	24	11	33	13	8.8		
5	13	9.3	68	447	36	57	28	20	11	31	12	9.0		
6	14	9.6	692	98	38	46	29	19	11	17	11	9.0		
7	12	9.3	288	67	43	43	28	20	11	14	11	9.9		
8	11	9.3	66	54	36	402	25	24	11	12	10	9.0		
9	11	13	47	73	34	147	24	22	12	12	10	9.6		
10	11	13	39	151	32	67	24	18	14	12	10	9.0		
11	11	12	36	90	32	54	25	17	14	11	15	8.8		
12	10	11	35	59	52	48	25	95	13	11	19	7.8		
13	10	10	47	50	48	44	23	112	25	13	16	7.5		
14	10	10	38	44	39	46	29	39	40	12	15	7.2		
15	11	10	58	38	36	45	21	29	29	12	13	7.0		
16	11	10	57	36	35	73	24	24	39	12	13	8.8		
17	15	9.9	162	36	33	52	25	21	50	12	12	13		
18	15	28	80	36	48	42	20	19	26	15	11	10		
19	13	58	49	36	38	37	18	18	19	13	12	9.9		
20	12	22	42	104	34	36	18	18	15	11	11	15		
21	11	14	36	87	32	76	21	16	14	12	10	11		
22	11	12	33	56	30	58	28	16	14	15	9.9	10		
23	11	14	30	47	30	43	21	15	14	12	10	9.6		
24	11	15	29	42	29	38	18	15	14	17	11	9.3		
25	11	14	28	36	29	48	17	14	13	20	11	11		
26	11	13	28	33	28	43	16	13	12	20	12	15		
27	10	13	27	33	27	37	15	13	12	33	22	16		
28	11	13	27	33	26	52	19	13	11	18	15	21		
29	9.9	14	25	40	27	62	20	12	11	41	10	21		
30	10	14	25	195	-----	48	18	12	11	29	9.6	17		
31	10	-----	34	146	-----	38	-----	12	-----	19	9.0	-----		
TOTAL	350.9	418.8	2,487	2,736	1,078	2,648	702	793	512	524	386.5	326.3		
MEAN	11.3	14.0	80.2	88.3	37.2	85.4	23.4	25.6	17.1	16.9	12.5	10.9		
MAX	15	58	692	447	67	476	34	112	50	41	22	21		
MIN	9.9	9.0	15	31	26	29	15	12	11	11	9.0	7.0		
CFSM	.22	.27	1.57	1.73	.73	1.67	.46	.50	.33	.33	.24	.21		
IN.	.26	.31	1.81	2.00	.79	1.93	.51	.58	.37	.38	.28	.24		
AC-FT	696	831	4,930	5,430	2,140	5,250	1,390	1,570	1,020	1,040	767	647		
(†)	.96	3.14	8.82	5.81	1.14	6.44	1.09	2.90	4.03	5.74	1.36	3.82		
(‡)	.41	3.20	9.20	6.67	3.09	4.00	.66	6.01	.61	5.24	2.47	.57		
CAL YR 1971:	TOTAL	11,067.3	MEAN	30.3	MAX	692	MIN	8.5	CFSM	.59	IN.	8.07	AC-FT	21,950
WTR YR 1972:	TOTAL	12,962.5	MEAN	35.4	MAX	692	MIN	7.0	CFSM	.69	IN.	9.45	AC-FT	25,710

PEAK DISCHARGE (BASE, 650 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE	† Precipitation, in inches, during month at rain gage at station. Total for calendar year 1971, 41.07 inches; total for water year 1972, 45.25 inches.
12-6	1600	8.28	871	3- 8	1300	7.20	672	‡ Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1971, 43.70 inches; total for water year 1972, 42.13 inches.

07373278 Lake St. John near Waterproof, La.

LOCATION.--Lat 31°42'00", long 91°27'30", in lot 47, T.8 N., R.10 E., Concordia Parish, at private fishing pier, 8.5 miles southwest of Waterproof.

DRAINAGE AREA.--14.8 sq mi.

PERIOD OF RECORD.--January 1967 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft above mean sea level.

EXTREMES.--Current year: Maximum gage height, 5.78 ft Dec. 17; minimum, 3.03 ft Sept. 25.

Period of record: Maximum gage height, 5.78 ft Dec. 17, 1971; minimum, 1.95 ft Nov. 29, 1967.

REMARKS.--Crest of dam 10.0 ft. Drawdown structure consists of two 48-inch pipes with stoplog arrangement that can be varied from -2.1 ft (invert of pipes) to 3.0 ft. Capacity not determined.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.74	4.37	4.00	5.43	5.71	5.27	5.55	4.88	4.65	4.25	4.04	3.50
2	4.72	4.36	4.01	5.54	5.70	5.63	5.52	4.94	4.62	4.23	4.03	3.47
3	4.69	4.34	4.32	5.53	5.67	5.72	5.49	5.05	4.60	4.21	4.03	3.45
4	4.67	4.30	4.37	5.63	5.64	5.74	5.48	5.04	4.57	4.27	4.01	3.43
5	4.66	4.26	4.40	5.70	5.60	5.75	5.43	5.01	4.55	4.27	3.99	3.41
6	4.63	4.25	5.00	5.69	5.57	5.72	5.41	4.99	4.53	4.23	3.96	3.39
7	4.60	4.24	5.31	5.67	5.53	5.68	5.38	4.97	4.51	4.20	3.93	3.37
8	4.57	4.17	5.44	5.65	5.59	5.75	5.39	5.00	4.49	4.18	3.90	3.35
9	4.54	4.21	5.50	5.62	5.57	5.71	5.33	4.98	4.46	4.16	3.88	3.34
10	4.52	4.19	5.58	5.73	5.54	5.68	5.30	4.95	4.46	4.14	3.86	3.32
11	4.47	4.17	5.61	5.75	5.52	5.64	5.28	4.92	4.45	4.13	3.84	3.30
12	4.44	4.16	5.60	5.74	5.55	5.63	5.26	4.90	4.42	4.16	3.83	3.29
13	4.42	4.14	5.65	5.71	5.54	5.60	5.25	5.05	4.40	4.13	3.82	3.27
14	4.40	4.14	5.62	5.69	5.52	5.58	5.22	5.04	4.39	4.13	3.80	3.25
15	4.38	4.18	5.69	5.64	5.49	5.54	5.20	5.03	4.38	4.19	3.79	3.22
16	4.44	4.11	5.72	5.58	5.47	5.60	5.25	5.01	4.42	4.18	3.81	3.20
17	4.43	4.10	5.75	5.55	5.45	5.57	5.22	5.00	4.49	4.17	3.83	3.18
18	4.55	4.08	5.76	5.51	5.49	5.53	5.19	4.98	4.48	4.18	3.81	3.16
19	4.55	4.14	5.73	5.49	5.47	5.51	5.16	4.95	4.47	4.17	3.79	3.15
20	4.54	4.13	5.71	5.62	5.44	5.48	5.14	4.93	4.45	4.16	3.77	3.14
21	4.52	4.12	5.67	5.63	5.41	5.55	5.12	4.90	4.43	4.14	3.75	3.11
22	4.50	4.09	5.65	5.64	5.39	5.54	5.11	4.88	4.40	4.13	3.73	3.10
23	4.49	4.08	5.61	5.62	5.37	5.51	5.10	4.87	4.42	4.12	3.70	3.07
24	4.48	4.06	5.59	5.61	5.35	5.48	5.07	4.84	4.41	4.09	3.68	3.05
25	4.46	4.04	5.56	5.61	5.34	5.46	5.03	4.83	4.39	4.07	3.65	3.04
26	4.45	4.03	5.53	5.57	5.32	5.42	4.99	4.81	4.38	4.05	3.64	3.04
27	4.43	4.03	5.52	5.54	5.29	5.38	4.96	4.78	4.35	4.08	3.63	3.11
28	4.42	4.01	5.50	5.52	5.27	5.50	4.93	4.75	4.33	4.08	3.60	3.19
29	4.41	4.01	5.47	5.51	5.25	5.62	4.92	4.73	4.29	4.07	3.57	3.19
30	4.40	3.99	5.45	5.64	-----	5.62	4.90	4.70	4.27	4.05	3.55	3.21
31	4.38	-----	5.45	5.71	-----	5.58	-----	4.68	-----	4.04	3.53	-----
MAX	4.74	4.37	5.76	5.75	5.71	5.75	5.55	5.05	4.65	4.27	4.04	3.50
MIN	4.38	3.99	4.00	5.43	5.25	5.27	4.90	4.68	4.27	4.04	3.53	3.04

07373280 Lake Concordia near Ferriday, La.

LOCATION.--Lat 31°40'25", long 91°30'05", in lot 33, T.8 N., R.9 E., Concordia Parish, at Louisiana Wildlife and Fisheries Commission pier, 3.5 miles northeast of Ferriday.

DRAINAGE AREA.--8.91 sq mi.

PERIOD OF RECORD.--January 1967 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 29.00 ft above mean sea level.

EXTREMES.--Current year: Maximum gage height, 23.26 ft Dec. 17; minimum, 20.59 ft Sept. 26.

Period of record: Maximum gage height, 23.49 ft Apr. 14, 1969; minimum, 19.87 ft Dec. 9, 1967.

REMARKS.--Elevation of dam and capacity not determined. Drawdown structure consists of one 48-inch pipe with stoplog that can be varied from 16.3 ft to 26.3 ft. Invert of pipe is at 17.0 ft. Area of lake is 865 acres at 21 ft.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.67	22.40	21.81	22.87	22.99	22.54	22.58	21.81	21.63	21.43	21.42	20.97
2	22.65	22.37	21.84	22.94	22.98	22.92	22.55	21.84	21.62	21.41	21.41	20.95
3	22.64	22.35	22.18	22.92	22.96	22.98	22.52	21.94	21.60	21.40	21.43	20.94
4	22.62	22.30	22.19	23.00	22.92	23.00	22.47	21.91	21.59	21.46	21.41	20.93
5	22.59	22.26	22.14	23.11	22.90	22.99	22.45	21.89	21.57	21.45	21.40	20.90
6	22.55	22.22	22.81	23.12	22.88	22.96	22.43	21.87	21.56	21.44	21.38	20.89
7	22.51	22.17	23.08	23.10	22.90	22.95	22.42	21.86	21.55	21.42	21.37	20.87
8	22.47	22.14	23.12	23.09	22.90	22.95	22.35	21.90	21.54	21.41	21.35	20.86
9	22.45	22.14	23.15	23.07	22.88	22.93	22.33	21.88	21.53	21.40	21.32	20.84
10	22.41	22.14	23.18	23.22	--	22.90	22.30	21.85	21.52	21.39	21.32	20.82
11	22.37	22.11	23.17	23.23	--	22.87	22.28	21.84	21.52	21.37	21.30	20.80
12	22.35	22.10	23.16	23.22	--	22.84	22.27	21.83	21.52	21.39	21.28	20.81
13	22.32	22.07	23.18	23.20	--	22.80	22.24	21.90	21.52	21.37	21.27	20.80
14	22.30	22.05	23.16	23.16	--	22.77	22.20	21.90	21.52	21.38	21.25	20.78
15	22.27	22.03	23.22	23.12	--	22.75	22.18	21.89	21.53	21.46	21.24	20.76
16	22.37	22.00	23.23	23.08	--	22.77	22.22	21.87	21.53	21.45	21.24	20.75
17	22.37	21.97	23.25	23.04	--	22.74	22.17	21.85	21.61	21.46	21.24	20.74
18	22.75	21.96	23.25	23.01	--	22.71	22.15	21.84	21.60	21.46	21.23	20.72
19	22.75	22.01	23.22	22.97	--	22.67	22.12	21.83	21.59	21.46	21.21	20.71
20	22.73	21.99	23.20	23.04	--	22.64	22.10	21.81	21.57	21.47	21.19	20.69
21	22.71	21.96	23.17	23.05	--	22.71	22.07	21.78	21.56	21.45	21.17	20.67
22	22.67	21.93	23.13	23.03	--	22.68	22.06	21.77	21.56	21.45	21.16	20.66
23	22.65	21.91	23.11	23.01	22.67	22.66	22.02	21.76	21.57	21.44	21.15	20.64
24	22.63	21.90	23.08	22.99	22.66	22.63	21.98	21.75	21.58	21.47	21.12	20.62
25	22.60	21.89	23.05	22.93	22.64	22.60	21.95	21.74	21.57	21.46	21.11	20.62
26	22.56	21.87	23.02	22.90	22.62	22.57	21.91	21.72	21.55	21.44	21.10	20.62
27	22.55	21.86	22.98	22.88	22.58	22.54	21.89	21.71	21.52	21.43	21.08	20.64
28	22.50	21.85	22.96	22.85	22.56	22.63	21.86	21.69	21.50	21.44	21.05	20.68
29	22.48	21.85	22.93	22.83	22.54	22.68	21.85	21.68	21.47	21.43	21.03	20.69
30	22.45	21.82	22.91	22.91	-----	22.63	21.83	21.67	21.45	21.41	21.02	20.70
31	22.43	-----	22.88	23.00	-----	22.62	-----	21.65	-----	21.40	20.98	-----
MAX	22.75	22.40	23.25	23.23	22.99	23.00	22.58	21.94	21.63	21.47	21.43	20.97
MIN	22.27	21.82	21.81	22.83	22.54	22.54	21.83	21.65	21.45	21.37	20.98	20.62

C7375000 Tchefuncta River near Folsom, La.

LOCATION.--Lat 30°36'55", long 90°14'55", on line between SE $\frac{1}{4}$ NE $\frac{1}{4}$ and SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.5 S., R.9 E., St. Helena meridian, Tangipahoa Parish, near center of span on downstream side of bridge on State Highway 40, 1.2 miles upstream from Bull Branch, and 3.6 miles southwest of Folsom.

DRAINAGE AREA.--95.5 sq mi, not including Bull Branch which has a drainage area of 7.5 sq mi at Highway 40. Total drainage area for extreme floods is 103 sq mi.

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 Tchefuncta River near Folsom.

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft above mean sea level (Louisiana Geodetic Survey bench mark). Prior to June 9, 1944, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--29 years, 154 cfs (21.90 inches per year).

EXTREMES.--Current year: Maximum discharge, 7,880 cfs May 8 (gage height, 20.06 ft); minimum, 38 cfs Sept. 16, 17 (gage height, 5.09 ft).

Period of record: Maximum discharge, 29,200 cfs May 3, 1953 (gage height, 22.26 ft), from rating curve extended above 12,000 cfs by contracted-opening measurement at gage height 22.10 ft; minimum, 26 cfs Sept. 14, 15, 1968; minimum gage height, 4.80 ft Oct. 5, 6, 1970.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1057: , 1944(M), 1945. WSP 1281: 1953(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	42	80	87	410	120	84	59	58	59	56	42
2	61	42	150	94	294	346	78	57	58	54	52	42
3	60	42	300	138	225	706	75	60	56	52	50	42
4	57	42	600	247	225	702	88	82	55	160	48	42
5	55	42	1,300	1,710	176	335	161	63	54	115	47	41
6	54	41	2,000	1,340	139	174	115	57	54	75	46	41
7	69	42	3,500	644	269	136	91	77	53	59	45	42
8	58	41	1,500	289	502	146	82	3,870	52	47	45	41
9	52	42	730	184	423	306	76	2,030	52	54	43	41
10	51	43	348	155	194	423	71	731	54	52	43	41
11	51	45	571	191	145	209	69	643	58	68	43	43
12	49	43	950	405	145	137	68	4,330	64	54	43	41
13	48	43	549	424	267	118	66	4,360	69	46	43	40
14	47	43	225	206	296	107	65	1,840	57	41	43	39
15	48	43	176	149	167	100	64	823	56	40	43	39
16	45	42	340	121	150	133	65	373	62	200	45	39
17	45	42	462	106	250	347	71	182	71	140	70	39
18	47	43	349	100	330	266	66	134	76	94	56	43
19	48	43	187	98	298	138	62	126	56	54	46	41
20	47	45	198	112	190	114	61	102	53	52	44	40
21	45	46	531	264	137	117	60	89	51	50	43	40
22	45	44	786	408	121	199	61	80	52	62	42	39
23	45	43	389	337	112	162	65	75	87	54	41	39
24	44	44	181	210	105	111	62	72	71	49	41	39
25	43	44	139	156	99	102	59	69	62	48	41	41
26	43	45	122	129	94	109	57	67	54	156	49	42
27	42	45	110	112	90	97	56	64	52	164	54	44
28	42	60	102	104	85	92	56	62	50	70	48	57
29	42	52	96	108	82	93	61	61	50	86	44	119
30	42	50	91	157	-----	114	63	60	50	79	42	60
31	42	-----	90	330	-----	96	-----	59	-----	59	41	-----
TOTAL	1,531	1,324	17,152	9,115	6,020	6,355	2,178	20,757	1,747	2,392	1,437	1,339
MEAN	49.4	44.1	553	294	208	205	72.6	670	58.2	77.2	46.4	44.6
MAX	69	60	3,500	1,710	502	706	161	4,360	87	200	70	119
MIN	42	41	80	87	82	92	56	57	50	40	41	39
CFSM	.52	.46	5.79	3.08	2.18	2.15	.76	7.02	.61	.81	.49	.47
IN.	.60	.52	6.68	3.55	2.34	2.48	.85	8.08	.68	.93	.56	.52
CAL YR 1971	TOTAL 58,312		MEAN 160		MAX 3,500		MIN 41		CFSM 1.68		IN 22.71	
WTR YR 1972	TOTAL 71,347		MEAN 195		MAX 4,360		MIN 39		CFSM 2.04		IN 27.78	

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-6	unknown	19.49	6,460	5-8	1500	20.06	7,880
1-5	1700	16.41	2,130	5-12	2100	18.93	5,310

07375500 Tangipahoa River at Robert, La.

LOCATION.--Lat 30°30'23", long 90°21'42", in lot 39, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, on right bank just downstream from bridge on U.S. Highway 190, 1 mile west of Robert, 2 miles downstream from Chappapeela Creek, and 6 miles east of Hammond.

DRAINAGE AREA.--646 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft above mean sea level. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 1,065 cfs (22.39 inches per year).

EXTREMES.--Current year: Maximum discharge, 18,400 cfs Dec. 7 (gage height, 18.62 ft); minimum daily, 338 cfs Sept. 16.
Period of record: Maximum discharge, 50,500 cfs May 3, 1953 (gage height, 23.13 ft); minimum discharge, 245 cfs Oct. 30 to Nov. 3, 1968; minimum gage height, 2.95 ft Oct. 25, 1939.
Maximum stage known, 27.1 ft in 1921, from floodmark.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	660	386	1,000	800	5,400	1,000	789	492	540	455	496	352
2	620	384	900	830	5,800	3,000	707	486	528	516	430	357
3	580	383	1,500	954	3,500	5,000	662	488	516	446	418	357
4	560	381	2,400	1,920	2,000	8,000	689	576	506	433	410	354
5	540	376	3,150	5,460	1,500	9,000	1,040	595	498	458	397	349
6	520	376	5,280	6,120	1,300	3,000	934	534	494	462	389	349
7	500	373	15,500	3,700	1,800	1,700	768	660	490	437	381	351
8	490	370	14,800	2,010	2,600	1,500	678	7,230	486	424	380	351
9	478	372	12,800	1,430	1,700	2,100	632	14,000	486	415	375	354
10	467	373	8,160	1,190	1,400	3,000	610	9,390	498	405	372	357
11	457	373	5,820	1,940	1,100	2,000	585	5,920	526	402	368	357
12	449	373	5,520	2,740	1,100	1,500	572	13,000	510	405	368	359
13	444	373	3,630	2,140	1,500	1,200	560	15,100	514	412	418	351
14	437	373	2,040	1,560	2,000	980	554	9,960	496	494	413	343
15	435	373	1,770	1,200	1,500	830	544	7,720	486	526	490	341
16	431	372	2,600	970	1,300	962	540	4,520	478	484	433	338
17	431	370	2,600	826	1,500	1,490	534	2,080	500	480	435	343
18	431	370	2,270	744	1,900	1,320	556	1,420	504	471	418	343
19	435	370	2,400	701	2,100	1,100	544	1,150	475	439	397	351
20	446	372	2,700	1,010	1,600	906	524	978	457	444	381	346
21	431	396	5,120	2,100	1,000	966	514	846	449	421	372	340
22	423	389	8,370	2,140	800	1,150	510	764	446	440	367	340
23	416	372	4,880	1,910	700	1,110	738	728	540	526	364	340
24	410	368	2,160	1,930	640	898	775	704	564	444	364	340
25	407	364	1,560	1,540	600	826	570	686	510	415	359	400
26	404	364	1,270	1,150	560	800	524	648	475	435	384	500
27	400	365	1,090	918	520	768	506	638	448	475	396	440
28	399	380	970	792	500	713	498	600	435	453	405	400
29	394	532	878	778	480	782	508	585	430	446	384	380
30	388	814	818	1,220	-----	1,150	500	574	426	448	365	360
31	386	---	775	2,790	-----	958	-----	556	---	480	357	---
TOTAL	14,269	11,837	124,821	55,513	48,400	59,709	18,665	103,628	14,711	13,991	12,286	10,843
MEAN	460	395	4,026	1,791	1,669	1,926	622	3,343	490	451	396	361
MAX	660	814	15,500	6,120	5,800	9,000	1,040	15,100	564	526	496	500
MIN	386	364	775	701	480	713	500	486	426	402	357	338
CFSM	.71	.61	6.23	2.77	2.58	2.98	.96	5.17	.76	.70	.61	.56
IN.	.82	.68	7.19	3.20	2.79	3.44	1.07	5.97	.85	.81	.71	.62

CAL YR 1971: TOTAL 467,447 MEAN 1,281 MAX 15,900 MIN 357 CFSM 1.98 IN. 26.91
WTR YR 1972: TOTAL 488,673 MEAN 1,335 MAX 15,500 MIN 338 CFSM 2.07 IN. 28.13

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-07	1800	18.62	18,400	3-05	unknown	unknown	about 10,000
12-22	1500	16.15	9,150	5-09	0500	17.96	15,300
1-06	0500	15.15	6,660	5-13	0200	18.08	15,900
2-02	unknown	unknown	about 7,000				

07376000 Tickfaw River at Holden, La.

LOCATION.--Lat 30°30'13", long 90°40'38", in sec.26, T.6 S., R.5 E., St. Helena meridian, Livingston Parish, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mile west of Holden, and 5.1 miles upstream from Big Branch.

DRAINAGE AREA.--247 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above mean sea level. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1949, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 344 cfs (18.91 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,570 cfs Dec. 9 (gage height, 16.73 ft); minimum, 81 cfs Sept. 15, 16, 17 (gage height, 1.51 ft).

Period of record: Maximum discharge, 14,500 cfs Apr. 29, 1962; maximum gage height, 19.75 ft Mar. 22, 1943, from graph based on gage readings; minimum discharge, 65 cfs Oct. 1, 2, 3, 4, 1969; minimum gage height, 1.32 ft Sept. 4, 1968.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS.--WSP 1711: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	95	204	235	1,190	369	200	127	153	115	215	89
2	210	94	194	291	1,100	977	185	125	149	115	145	90
3	180	94	304	321	813	1,500	174	126	146	115	149	94
4	160	92	563	536	622	1,810	170	131	142	148	216	115
5	150	91	784	1,030	510	1,920	265	138	139	151	136	95
6	144	91	1,450	1,210	409	1,460	322	131	136	170	115	93
7	137	90	2,130	1,040	671	724	229	282	134	139	108	86
8	132	89	2,820	640	971	556	192	1,580	133	125	103	84
9	128	90	5,980	413	894	801	173	4,150	138	120	100	86
10	124	91	3,960	337	534	1,070	161	4,700	141	115	100	85
11	121	91	2,800	505	375	897	153	3,400	139	115	101	91
12	118	92	2,170	973	389	563	147	3,900	141	115	98	88
13	116	92	1,320	1,040	577	367	143	4,070	156	115	98	84
14	115	92	1,040	546	800	307	139	3,140	157	125	131	82
15	113	91	685	382	700	272	135	2,650	137	170	152	81
16	112	91	304	309	450	266	134	2,050	136	155	122	81
17	115	91	890	268	552	391	132	1,530	133	130	113	82
18	111	90	692	243	655	353	129	697	132	125	106	89
19	109	90	728	226	763	291	129	421	131	120	101	84
20	108	91	988	461	587	251	128	333	133	115	99	98
21	106	92	1,140	767	392	256	128	286	129	115	98	87
22	103	93	1,410	931	315	340	127	256	128	110	97	83
23	102	92	2,020	863	278	460	130	233	128	110	95	83
24	101	91	1,810	887	253	359	192	216	144	110	96	83
25	100	90	731	657	235	287	182	203	154	110	95	109
26	99	90	431	415	222	259	140	192	143	110	95	184
27	97	90	350	326	212	241	129	183	125	120	117	149
28	98	104	307	284	200	224	128	175	120	130	109	147
29	98	132	279	269	198	206	127	168	120	120	111	138
30	97	183	258	414	-----	202	127	163	115	110	95	128
31	96	-----	243	809	-----	207	-----	158	-----	341	91	-----
TOTAL	3,847	2,885	39,485	17,628	15,857	18,186	4,850	35,915	4,112	4,084	3,608	2,968
MEAN	124	96.2	1,274	569	547	587	162	1,159	137	132	116	98.9
MAX	247	183	5,980	1,210	1,180	1,920	322	4,700	157	341	216	184
MIN	96	89	194	226	198	202	127	126	115	110	91	81
CFSM	.50	.39	5.16	2.30	2.21	2.38	.66	4.69	.55	.53	.47	.40
IN.	.58	.43	5.95	2.65	2.39	2.74	.73	5.41	.62	.62	.54	.45
CAL YR 1971	TOTAL 121,541	MEAN 333	MAX 5,980	MIN 68	CFSM 1.35	IN 18.30						
WTR YR 1972	TOTAL 153,425	MEAN 419	MAX 5,980	MIN 81	CFSM 1.70	IN 23.11						

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-9	0915	16.73	6,570	5-9	2015	16.38	6,030
12-23	1900	11.18	2,140				

07376000 Tickfaw River at Holden, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.01	1.67	2.67	2.91	7.69	3.83	2.63	1.99	2.23	--	2.76	1.60
2	--	1.66	2.58	3.35	7.38	6.81	2.51	1.98	2.19	--	2.15	1.61
3	--	1.65	3.43	3.56	6.15	8.96	2.42	1.98	2.16	--	2.17	1.65
4	--	1.63	4.95	4.71	5.26	10.12	2.38	2.03	2.13	2.18	2.75	1.87
5	2.20	1.62	6.03	7.09	4.68	10.51	3.13	2.09	2.10	2.21	2.07	1.67
6	2.15	1.62	8.72	7.81	4.11	8.81	3.56	2.03	2.08	2.37	1.87	1.64
7	2.08	1.61	11.14	7.10	5.48	5.70	2.87	3.01	2.06	2.10	1.80	1.56
8	2.04	1.60	12.58	5.33	6.84	4.91	2.57	9.23	2.05	--	1.75	1.54
9	2.00	1.61	16.33	4.14	6.50	6.10	2.41	14.27	2.09	--	1.72	1.56
10	1.96	1.62	14.56	3.68	4.80	7.25	2.30	15.31	2.12	--	1.72	1.56
11	1.93	1.63	12.69	4.62	3.91	6.53	2.22	13.85	2.10	--	1.73	1.63
12	1.90	1.63	11.20	6.84	3.99	4.94	2.18	14.53	2.12	--	1.70	1.59
13	1.88	1.63	8.22	7.12	5.02	3.86	2.13	14.73	2.26	--	1.70	1.55
14	1.87	1.63	7.12	4.86	--	3.46	2.10	13.37	2.26	--	2.01	1.53
15	1.85	1.62	5.55	3.96	--	3.20	2.07	12.38	2.08	2.38	2.22	1.52
16	1.84	1.62	6.11	3.47	--	3.15	2.06	10.87	2.07	2.24	1.94	1.51
17	1.87	1.62	6.51	3.17	4.91	4.01	2.04	9.08	2.04	--	1.85	1.52
18	1.83	1.61	5.60	2.98	5.42	3.77	2.01	5.58	2.04	--	1.78	1.60
19	1.81	1.61	5.77	2.85	5.93	3.35	2.01	4.18	2.02	--	1.73	1.54
20	1.80	1.62	6.90	4.30	5.07	3.04	2.00	3.65	2.05	--	1.71	1.69
21	1.78	1.64	7.53	5.95	4.01	3.08	2.00	3.31	2.01	--	1.70	1.58
22	1.75	1.65	8.62	6.68	3.52	3.67	1.99	3.07	2.00	--	1.69	1.54
23	1.74	1.64	10.81	6.39	3.24	4.40	2.01	2.90	2.00	--	1.67	1.54
24	1.73	1.62	10.11	6.49	3.06	3.81	2.57	2.77	2.14	--	1.68	1.54
25	1.72	1.61	5.73	5.42	2.92	3.31	2.48	2.66	2.24	--	1.67	1.81
26	1.71	1.61	4.24	4.15	2.81	3.10	2.11	2.57	2.14	--	1.66	2.50
27	1.69	1.62	3.76	3.60	2.74	2.96	2.01	2.49	--	--	1.89	2.19
28	1.70	1.76	3.47	3.29	2.64	2.80	2.00	2.42	--	--	1.81	2.17
29	1.70	2.04	3.25	3.17	2.62	2.68	1.99	2.37	--	--	1.83	2.09
30	1.69	2.48	3.10	4.11	-----	2.65	1.99	2.32	--	--	1.67	2.00
31	1.68	-----	2.97	6.13	-----	2.69	-----	2.27	-----	3.67	1.62	-----
MEAN	--	1.67	7.17	4.81	--	4.76	2.29	5.98	--	--	1.87	1.70
MAX	--	2.48	16.33	7.81	--	10.51	3.56	15.31	--	--	2.76	2.50

07376500 Natalbany River at Baptist, La.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE¼NW¼ sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mile downstream from Still Branch, and 0.7 mile west of Baptist.

DRAINAGE AREA.--79.5 sq mi.

PERIOD OF RECORD.--August 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft above mean sea level. 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.

AVERAGE DISCHARGE.--29 years, 107 cfs (18.28 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,960 cfs on May 12 (gage height, 16.01 ft); minimum daily discharge, 7.6 cfs on Nov. 23. Period of record: Maximum discharge, 9,550 cfs May 3, 1953 (gage height, 19.73 ft); minimum, 1.8 cfs Nov. 2-5, 1963; minimum gage height, 3.04 ft Oct. 3, 4, 1969.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1057: 1943.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	9.8	20	15	331	915	33	15	21	19	17	9.1
2	25	9.2	208	105	205	919	30	16	21	16	17	9.4
3	23	9.0	426	102	222	380	27	16	20	14	78	10
4	21	8.5	171	741	180	179	73	14	19	31	69	9.4
5	19	8.5	530	1,150	85	140	120	14	19	66	20	9.7
6	20	8.8	1,500	413	112	130	67	15	18	19	15	10
7	19	8.4	3,000	177	803	120	44	340	16	15	13	9.1
8	18	8.3	1,340	91	419	300	36	2,430	17	14	12	9.7
9	17	8.7	361	59	187	500	30	2,760	17	13	12	9.1
10	16	8.7	591	62	98	350	27	560	17	14	12	12
11	15	8.4	814	538	63	150	25	628	17	13	13	12
12	14	8.3	417	347	226	120	24	2,940	17	17	14	9.7
13	13	8.3	186	170	353	100	23	2,400	17	15	15	8.8
14	13	8.2	103	93	165	94	21	1,500	16	14	12	8.8
15	13	8.0	281	55	85	90	21	600	16	13	12	8.5
16	13	8.0	516	37	257	150	23	200	17	12	33	8.5
17	14	9.7	331	28	388	170	22	90	23	87	21	8.5
18	13	8.7	160	25	286	110	19	70	18	23	14	8.8
19	12	8.2	95	22	125	94	19	54	15	20	12	11
20	11	8.0	666	431	56	86	18	47	15	27	11	13
21	11	8.0	546	573	42	120	17	42	14	17	11	12
22	11	7.8	261	314	35	250	17	38	15	15	10	8.8
23	11	7.6	124	171	30	130	17	34	36	14	10	9.1
24	10	7.8	69	96	27	60	16	31	49	14	10	10
25	10	8.3	47	60	25	68	15	30	31	16	11	60
26	10	8.6	35	41	22	63	15	28	21	17	10	51
27	10	7.7	29	32	20	50	15	26	17	14	10	44
28	9.9	39	24	31	28	43	17	25	15	13	9.7	33
29	9.6	83	21	58	461	53	18	24	14	13	9.4	17
30	9.5	17	18	431	-----	42	16	23	14	15	9.4	16
31	9.9	-----	17	605	-----	36	-----	22	-----	20	9.1	-----
TOTAL	448.9	366.5	12,907	7,073	5,336	5,912	865	15,032	582	630	531.6	456.0
MEAN	14.5	12.2	416	228	184	191	28.8	485	19.4	20.3	17.1	15.2
MAX	28	83	3,000	1,150	803	915	120	2,940	49	87	78	60
MIN	9.5	7.6	17	15	20	36	15	14	14	12	9.1	8.5
CFSM	.18	.15	5.23	2.87	2.31	2.40	.36	6.10	.24	.26	.22	.19
IN.	.21	.17	6.04	3.31	2.50	2.77	.40	7.03	.27	.29	.25	.21

CAL YR 1971 TOTAL 36,354.8 MEAN 99.6 MAX 3,000 MIN 6.8 CFSM 1.25 IN 17.01
 WTR YR 1972 TOTAL 50,140.0 MEAN 137 MAX 3,000 MIN 7.6 CFSM 1.72 IN 23.46

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-7	unknown	unknown	†3,000	5-12	2230	16.01	3,960
5-9	0300	15.46	3,410				

† About.

07377000 Amite River near Darlington, La.

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, near center of span on downstream side of State Highway 10, 1.5 miles upstream from Collins Creek, and 4.0 miles west of Darlington.

DRAINAGE AREA.--580 sq mi.

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 mean sea level. Mar. 17, 1949, to Oct. 23, 1950, crest-stage gage; Oct. 24, 1950, to Jan. 12, 1951, nonrecording gage; 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, datum 2.99 ft higher.

AVERAGE DISCHARGE.--22 years, 794 cfs (18.59 inches per year).

EXTREMES.--Maximum discharge during year, 45,500 cfs Dec. 7 (gage height, 19.43 ft); minimum, 210 cfs Sept. 15, 16 (gage height, 2.34 ft).
Period of record: Maximum discharge, 55,700 cfs Apr. 13, 1955 (gage height, 18.18 ft, site and datum then in use); minimum discharge, 188 cfs Oct. 18, 1956.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	240	280	898	5,260	552	549	285	300	308	263	225
2	373	240	706	830	2,950	3,310	472	288	295	305	260	233
3	346	238	4,610	934	1,320	6,010	433	379	293	268	253	225
4	325	238	6,540	1,370	1,010	3,960	531	510	288	258	245	223
5	312	238	3,230	3,670	818	1,530	601	352	285	260	245	220
6	303	238	13,600	2,720	734	1,100	469	303	283	258	238	218
7	300	238	39,100	1,540	1,940	866	427	1,230	280	255	235	218
8	293	238	18,500	1,060	2,920	1,710	397	6,600	288	250	233	218
9	283	238	7,230	854	1,730	3,610	373	7,520	283	248	230	220
10	275	238	2,090	766	1,060	1,760	358	4,720	298	245	230	238
11	270	245	1,960	1,640	834	1,050	346	1,450	285	243	258	233
12	265	245	1,670	2,170	1,100	818	340	2,690	283	243	275	223
13	265	245	1,190	1,500	1,590	696	331	8,530	318	320	258	218
14	265	248	934	1,010	1,270	622	325	12,300	310	445	270	215
15	263	245	826	787	938	570	318	6,810	295	364	293	213
16	361	240	870	661	780	650	323	1,660	288	318	320	213
17	331	240	1,370	584	814	759	388	938	313	283	308	215
18	308	235	2,250	545	814	601	406	724	334	275	270	223
19	295	255	2,060	517	930	524	352	601	293	270	248	230
20	273	310	3,660	622	838	475	315	521	278	283	240	228
21	265	278	4,640	1,640	675	902	305	466	270	270	235	218
22	260	260	2,760	2,690	594	1,480	542	430	268	268	233	235
23	258	248	1,420	2,520	549	890	451	403	285	265	230	245
24	255	242	1,030	1,610	517	654	524	382	285	263	233	225
25	250	240	850	1,050	493	573	391	367	278	258	248	233
26	248	238	741	818	469	591	318	349	268	270	243	253
27	248	235	671	696	448	500	298	337	263	318	238	334
28	245	260	615	629	427	472	293	325	258	293	240	310
29	245	303	577	608	418	846	293	320	255	273	230	355
30	243	300	570	2,010	-----	950	288	313	255	275	225	323
31	240	-----	727	5,190	-----	675	-----	308	-----	275	223	-----
TOTAL	8,839	7,496	127,277	44,139	34,240	39,706	11,757	62,411	8,575	8,727	7,750	7,180
MEAN	285	250	4,106	1,424	1,181	1,281	392	2,013	286	282	250	239
MAX	376	310	39,100	5,190	5,260	6,010	601	12,300	334	445	320	355
MIN	240	235	280	517	418	472	288	285	255	243	223	213
CFSM	.49	.43	7.08	2.46	2.04	2.21	.68	3.47	.49	.49	.43	.41
IN.	.57	.48	8.16	2.83	2.20	2.55	.75	4.00	.55	.56	.50	.46
CAL YR 1971	TOTAL 339,742	MEAN 931	MAX 39,100	MIN 234	CFSM 1.61	IN 21.79						
WTR YR 1972	TOTAL 368,097	MEAN 1,006	MAX 39,100	MIN 213	CFSM 1.73	IN 23.61						

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 7	0145	19.43	45,500	5- 8	2045	13.10	7,850
1-31	2345	11.40	5,840	5-14	0200	15.64	13,800
3- 3	0445	11.67	6,140				

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, near center of span on downstream side of bridge on State Highway 67, 1,800 ft downstream from Knighton Bayou, and 1.3 miles northeast of Olive Branch.

DRAINAGE AREA.--145 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 115.65 ft above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Oct. 29, 1949, nonrecording gage. Prior to Feb. 3, 1964, at site 1,400 ft upstream at same datum.

AVERAGE DISCHARGE.--30 years, 219 cfs (20.51 inches per year).

EXTREMES.--Current year: Maximum discharge, 16,400 cfs Dec. 7 (gage height, 19.47 ft); minimum daily, 33 cfs Sept. 6-8, 10, 11, 15, 16, 18.

Period of record: Maximum discharge, 19,900 cfs Mar. 18, 1961 (gage height, 21.37 ft); minimum, 31 cfs Sept. 9, 1965, Nov. 4, 5, 1968; minimum gage height, 1.33 ft Aug. 28 to Sept. 1, 1971.

REMARKS.--Records good except for the periods of no gage-height record, which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1007: Drainage area. WSP 1177: 1948, 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	41	53	160	598	350	94	50	43	48	64	34
2	74	41	650	190	280	1,020	86	53	42	51	67	35
3	71	41	1,920	258	230	1,580	80	86	41	46	50	40
4	68	40	1,450	583	210	880	200	79	40	46	50	36
5	66	40	803	1,400	200	280	120	57	39	43	44	34
6	57	40	5,810	716	300	200	80	48	41	43	41	33
7	51	40	11,900	282	528	180	68	295	40	43	38	33
8	49	40	2,950	251	472	300	62	2,210	39	43	36	33
9	48	41	443	250	282	780	58	2,590	45	53	39	36
10	47	41	384	265	240	320	56	841	80	43	39	33
11	45	41	388	857	210	200	54	573	50	41	39	33
12	44	41	235	511	554	160	52	1,340	41	42	38	36
13	44	41	166	260	675	140	52	1,370	45	43	38	34
14	44	40	151	190	280	125	50	1,670	49	64	38	34
15	44	40	146	170	160	120	54	433	80	48	39	33
16	44	40	146	140	200	340	60	172	300	54	47	33
17	118	40	717	130	280	320	54	130	100	130	57	34
18	58	39	843	120	250	200	52	113	60	202	64	33
19	65	42	385	120	200	160	50	102	52	54	48	35
20	51	79	2,070	350	160	140	50	92	48	47	41	34
21	46	51	1,520	977	155	580	54	82	47	44	38	34
22	44	42	481	1,410	145	690	64	74	46	46	39	47
23	44	41	248	978	135	300	100	68	46	41	38	43
24	43	40	210	324	130	190	74	62	46	41	36	40
25	43	40	180	250	125	150	61	58	51	40	39	35
26	43	40	150	210	120	130	54	54	44	150	43	35
27	43	40	140	180	120	110	51	50	40	67	44	95
28	42	188	130	170	120	100	53	48	39	73	95	60
29	42	386	120	170	140	300	53	46	40	53	47	43
30	41	64	120	880	-----	160	53	45	58	62	36	36
31	41	-----	130	1,390	-----	120	-----	43	-----	92	34	-----
TOTAL	1,633	1,780	35,039	14,142	7,499	10,625	2,049	12,934	1,732	1,893	1,406	1,154
MEAN	52.7	59.3	1,130	456	259	343	68.3	417	57.7	61.1	45.4	38.5
MAX	118	386	11,900	1,410	675	1,580	200	2,590	300	202	95	95
MIN	41	39	53	120	120	100	50	43	39	40	34	33
CFSM	.36	.41	7.79	3.14	1.79	2.37	.47	2.88	.40	.42	.31	.27
IV.	.42	.46	8.99	3.63	1.92	2.73	.53	3.32	.44	.49	.36	.30
CAL YR 1971	TOTAL 81,901	MEAN 224	MAX 11,900	MIN 36	CFSM 1.54	IN 21.01						
WTR YR 1972	TOTAL 91,886	MEAN 251	MAX 11,900	MIN 33	CFSM 1.73	IN 23.57						

PEAK DISCHARGE (BASE, 2,500 CFS)

NOTE.--No gage-height record Mar. 23 to Apr. 24, May 21 to June 21.

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
12-7	0215	19.47	16,400	5-9	1000	7.55	2,780

07378000 Comite River near Comite, La.

LOCATION.--Lat 30°30'45", long 91°04'25", in NW¼ sec.24, T.6 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, near left bank on downstream side of bridge on State Highway 946, 0.5 mile downstream from Blackwater Bayou, and 2.6 miles west of Comite.

DRAINAGE AREA.--284 sq mi (see REMARKS).

PERIOD OF RECORD.--March 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.85 ft above mean sea level (Louisiana Geodetic Survey bench mark; levels by Louisiana Department of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 3.00 ft higher.

AVERAGE DISCHARGE.--28 years, 436 cfs (20.85 inches per year).

EXTREMES.--Current year: Maximum discharge, 16,500 cfs Dec. 8 (gage height, 20.51 ft); minimum, 35 cfs Sept. 21 (gage height, 2.22 ft, minus 0.13 shift).

Period of record: Maximum discharge, 20,900 cfs Apr. 29, 1962; maximum gage height, 28.64 ft May 19, 1953, present datum (prior to channel dredging August 1961); minimum daily discharge, 29 cfs Oct. 29 to Nov. 3, 1963.

REMARKS.--Records good. Since 1957, entire flow from 46 sq mi diverted from basin. See following page for table of daily gage height. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS.--WSP 1920: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	59	178	500	1,560	967	150	73	54	58	117	43
2	100	59	797	1,140	612	3,390	110	73	51	56	87	125
3	89	58	4,640	802	471	3,800	150	363	48	56	91	108
4	93	58	2,670	1,390	356	1,790	400	150	47	54	71	65
5	87	58	1,780	3,930	278	579	300	100	44	54	65	50
6	80	58	10,600	1,680	424	342	200	114	46	51	62	44
7	74	58	13,700	572	1,770	240	140	1,620	44	51	56	43
8	74	58	9,710	370	1,150	669	100	5,630	42	53	54	41
9	71	60	2,060	285	514	1,440	90	4,130	54	51	53	42
10	71	60	1,070	442	356	637	80	2,250	144	53	50	43
11	67	60	760	3,760	278	353	76	2,700	56	56	51	40
12	65	60	580	1,590	942	240	72	7,210	48	59	50	38
13	65	59	440	601	1,900	186	68	5,340	54	53	54	41
14	65	59	350	392	666	155	66	2,700	56	58	186	38
15	63	58	280	274	439	144	70	1,440	100	67	85	37
16	67	58	280	220	475	518	76	421	764	71	64	37
17	158	58	500	184	772	764	70	261	238	208	62	40
18	150	58	800	165	738	356	68	192	91	381	83	37
19	95	63	1,600	147	522	221	66	158	77	195	164	42
20	91	63	3,040	1,430	374	167	64	138	67	85	87	43
21	74	104	4,460	2,700	274	1,610	78	122	64	65	62	37
22	67	82	1,290	2,200	240	2,040	130	114	61	61	56	38
23	65	69	518	2,120	216	662	141	110	61	56	51	110
24	63	65	403	722	203	346	167	105	64	53	50	64
25	62	63	336	422	197	240	98	87	59	54	48	56
26	63	63	281	332	190	190	79	71	61	96	50	61
27	63	63	210	264	176	150	73	69	56	153	62	69
28	62	127	180	230	175	179	83	62	51	89	59	94
29	60	1,010	161	214	221	532	73	61	50	96	91	71
30	60	370	152	3,180	-----	457	62	56	48	102	94	64
31	60	-----	430	4,220	-----	227	-----	54	-----	138	46	-----
TOTAL	2,433	3,198	64,256	36,478	16,489	23,471	3,370	35,974	2,700	2,733	2,221	1,661
MEAN	78.5	107	2,073	1,177	569	757	112	1,160	90.0	88.2	71.6	55.4
MAX	158	1,010	13,700	4,220	1,900	3,800	400	7,210	764	381	186	125
MIN	60	59	152	147	175	144	62	54	42	51	46	37
CFSM	.28	.38	7.30	4.14	2.00	2.67	.39	4.08	.32	.31	.25	.20
IN.	.32	.42	8.42	4.78	2.16	3.07	.44	4.71	.35	.36	.29	.22
CAL YR 1971	TOTAL	155,289	MEAN	425	MAX	13,700	MIN	48	CFSM	1.50	IN	20.34
WTR YR 1972	TOTAL	194,984	MEAN	533	MAX	13,700	MIN	37	CFSM	1.88	IN	25.54

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12- 8	0230	20.51	16,500	5- 8	1630	11.46	6,400
12-21	0930	10.70	5,560	5-12	2130	13.61	8,760
1-31	0215	10.50	5,340				

C7378000 Comite River near Comite, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	2.55	3.17	3.70	6.14	4.64	--	2.56	2.37	2.39	2.68	2.29
2	2.74	2.55	4.75	5.31	4.01	8.73	--	2.56	2.35	2.38	2.54	2.71
3	2.66	2.54	9.86	4.51	3.62	9.10	--	3.53	2.33	2.38	2.57	2.63
4	2.69	2.54	7.88	5.56	3.30	6.61	--	2.88	2.31	2.37	2.47	2.43
5	2.65	2.54	6.82	9.22	3.07	4.07	--	2.69	2.30	2.37	2.44	2.34
6	2.61	2.54	15.22	6.37	3.49	3.44	--	2.75	2.31	2.35	2.42	2.30
7	2.53	2.54	17.87	3.89	6.55	3.17	--	6.47	2.30	2.35	2.38	2.29
8	2.58	2.54	18.44	3.34	5.32	4.38	--	12.02	2.28	2.36	2.37	2.27
9	2.57	2.56	11.10	3.09	3.74	6.10	--	10.42	2.34	2.35	2.36	2.28
10	2.57	2.56	8.63	3.54	3.30	4.29	--	7.63	2.76	2.36	2.34	2.29
11	2.55	2.56	--	9.06	3.07	3.50	--	8.25	2.38	2.38	2.35	2.26
12	2.54	2.56	--	6.20	4.88	3.17	--	13.44	2.33	2.40	2.34	2.25
13	2.54	2.55	--	3.98	6.79	3.00	--	11.88	2.37	2.36	2.36	2.27
14	2.54	2.55	--	3.40	4.16	2.90	--	8.24	2.38	2.38	2.92	2.25
15	2.54	2.54	--	3.06	3.53	2.86	--	6.01	2.54	2.45	2.54	2.24
16	2.54	2.54	--	2.90	3.63	3.96	--	3.61	4.51	2.46	2.43	2.24
17	3.06	2.54	--	2.78	4.44	4.63	--	3.15	3.07	2.98	2.42	2.26
18	3.02	2.54	--	2.72	4.35	3.51	--	2.94	2.57	3.50	2.52	2.24
19	2.75	2.58	--	2.66	3.76	3.11	--	2.83	2.50	2.94	2.85	2.27
20	2.73	2.58	8.40	5.88	3.35	2.94	--	2.76	2.45	2.54	2.55	2.28
21	2.63	2.81	9.70	8.05	3.06	6.45	--	2.69	2.43	2.44	2.42	2.24
22	2.60	2.67	5.60	7.37	2.96	7.24	--	2.67	2.41	2.41	2.38	2.25
23	2.59	2.61	3.75	7.18	2.88	4.36	2.85	2.65	2.41	2.38	2.35	2.64
24	2.58	2.59	3.43	4.31	2.85	3.48	2.94	2.63	2.43	2.36	2.34	2.43
25	2.57	2.58	3.24	3.54	2.83	--	2.68	2.55	2.40	2.37	2.33	2.38
26	2.58	2.58	3.08	3.23	2.80	--	2.59	2.47	2.41	2.57	2.34	2.41
27	2.58	2.58	--	3.03	2.76	--	2.55	2.46	2.38	2.80	2.42	2.46
28	2.57	2.85	--	2.93	2.76	2.98	2.61	2.42	2.35	2.56	2.40	2.58
29	2.57	5.54	2.71	2.88	2.90	4.00	2.55	2.41	2.34	2.59	2.56	2.47
30	2.56	3.85	2.68	8.54	-----	3.79	2.49	2.38	2.33	2.62	2.37	2.43
31	2.56	-----	3.49	9.48	-----	3.13	-----	2.37	-----	2.76	2.31	-----
MEAN	2.63	2.72	--	4.89	3.80	--	--	4.66	2.49	2.51	2.45	2.36
MAX	3.06	5.54	--	9.48	6.79	--	--	13.44	4.51	3.50	2.92	2.71

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, Livingston Parish, on right bank at downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 miles southwest of town of Denham Springs, and 15 miles east of Baton Rouge.

DRAINAGE AREA.--1,280 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 3.87 ft above mean sea level. Prior to Aug. 8, 1939, nonrecording gage at same site and datum. Auxiliary water-stage recorder 3.0 miles downstream at datum 3.12 ft above mean sea level (Corps of Engineers bench mark). Oct. 1, 1945, to Dec. 23, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 1,824 cfs (19.35 inches per year).

EXTREMES.--Current year: Maximum discharge, 51,800 cfs Dec. 8 (gage height, 31.14 ft); minimum, 352 cfs Sept. 16, 17 (gage height, 5.67 ft).

Period of record: Maximum discharge, 67,000 cfs May 20, 1953; maximum gage height, 32.46 ft May 20, 1953; minimum daily discharge, 271 cfs Oct. 17, 18, 1956; minimum gage height, 4.56 ft Nov. 18, 1938.
Maximum stage known, 35.4 ft Mar. 15, 1921, from floodmark.

REMARKS.--Records good. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report. Since 1957, entire flow from 46 sq mi diverted from basin.

REVISIONS.--WSP 1920: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	429	914	1,770	7,790	2,090	1,280	630	623	428	551	376
2	879	424	1,800	2,760	7,040	4,740	1,080	630	602	425	437	418
3	798	418	4,720	2,760	5,540	8,470	956	879	582	464	477	465
4	757	412	6,680	3,100	3,290	9,870	924	777	565	433	456	407
5	701	407	7,310	5,750	2,150	7,740	1,240	747	551	412	442	380
6	663	407	15,900	6,630	1,960	4,250	1,410	666	537	396	431	380
7	627	405	26,300	5,320	4,100	2,490	1,070	2,310	528	386	422	376
8	598	399	43,600	3,190	4,640	2,440	914	7,110	520	380	414	376
9	578	407	44,400	2,080	4,380	3,820	823	11,600	534	380	412	374
10	559	416	27,000	1,810	3,140	4,940	767	12,500	761	375	407	393
11	535	414	13,300	4,660	2,070	3,560	737	9,270	576	370	447	405
12	524	412	6,310	5,900	2,600	2,120	711	13,700	540	391	414	384
13	514	414	4,180	4,980	4,280	1,670	691	19,800	599	409	442	370
14	507	410	2,780	3,160	3,980	1,450	676	17,000	573	556	666	362
15	502	405	2,870	2,040	2,600	1,310	663	15,700	562	593	504	356
16	499	403	2,830	1,610	2,540	1,700	660	13,300	1,480	587	472	354
17	495	403	2,490	1,390	2,640	2,220	651	7,310	886	737	494	362
18	727	401	3,820	1,250	3,080	1,810	651	3,470	662	840	492	360
19	589	424	4,130	1,160	2,500	1,380	682	1,880	573	717	592	424
20	564	422	4,810	2,800	2,010	1,180	663	1,450	520	535	475	564
21	519	475	8,630	5,110	1,680	2,370	636	1,240	484	509	427	384
22	492	472	9,450	5,540	1,440	4,230	636	1,100	461	507	407	364
23	477	429	6,820	5,910	1,280	3,530	701	998	456	504	399	410
24	467	412	3,920	4,850	1,200	2,000	921	928	475	477	401	403
25	460	403	2,350	3,180	1,110	1,600	764	864	472	499	416	395
26	454	403	1,860	2,070	1,060	1,520	704	816	453	562	422	449
27	449	401	1,630	1,660	1,010	1,310	639	774	436	581	435	532
28	444	567	1,470	1,450	964	1,140	636	734	419	522	412	504
29	440	2,020	1,360	1,380	1,020	1,180	639	701	409	540	427	494
30	435	1,390	1,280	3,830	-----	1,980	633	674	406	570	399	509
31	433	-----	1,450	6,950	-----	1,680	-----	644	-----	575	382	-----
TOTAL	17,906	15,204	266,364	106,050	83,094	91,790	24,158	150,202	17,245	15,660	14,024	12,330
MEAN	578	507	8,592	3,421	2,865	2,961	805	4,845	575	505	452	411
MAX	1,020	2,020	44,400	6,950	7,790	9,870	1,410	19,800	1,480	840	666	564
MIN	433	399	914	1,160	964	1,140	633	630	406	370	382	354
CFSM	.45	.40	6.71	2.67	2.24	2.31	.63	3.79	.45	.39	.35	.32
IN.	.52	.44	7.74	3.08	2.41	2.67	.70	4.37	.50	.46	.41	.36
CAL YR 1971	TOTAL 713,386	MEAN 1,954	MAX 44,400	MIN 379	CFSM 1.53	IN 20.73						
WTR YR 1972	TOTAL 814,027	MEAN 2,224	MAX 44,400	MIN 354	CFSM 1.74	IN 23.66						

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
12- 8	2400	31.14	51,800	3- 4	0715	21.48	10,100
12-10	0215	22.43	16,700	5-13	0745	24.43	20,500
12-21	2315	21.56	10,300				

LOCATION.--Lat 30°06'00", long 90°58'40", in Lot 96, T.11 S., R.14 E., Louisiana meridian, Ascension Parish, on left bank 40 ft upstream from culvert under State Highway 18 in Donaldsonville, and 1,500 ft downstream from Donaldsonville Pumping plant.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark, levels by Louisiana Department of Highways).

EXTREMES.--Period of record: Maximum daily discharge, 544 cfs May 11, 1972; no flow June 11, 14, 1959, Feb. 23, 24-27, 28, 1970, Mar. 3, Apr. 2, 3, May 14, 1971.

REMARKS.--Records good. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets. See following page for table of daily elevation. Records of water temperatures, and suspended-sediment loads for the water year 1972 are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	286	220	140	69	160	164	538	212	224	221	207
2	304	420	220	161	77	187	168	511	175	220	209	205
3	362	384	220	149	115	170	166	515	139	218	214	205
4	301	215	220	186	114	145	151	516	113	220	215	204
5	301	198	220	223	115	134	127	519	178	222	214	266
6	296	192	220	169	133	132	112	522	221	235	213	445
7	287	291	220	142	126	135	157	530	219	229	213	469
8	293	435	220	131	51	162	156	540	217	227	213	475
9	351	320	220	127	74	190	153	540	218	229	215	443
10	363	205	220	129	114	148	145	540	215	230	215	486
11	332	196	220	117	115	105	125	544	214	230	216	435
12	295	193	220	134	132	103	170	393	214	232	216	360
13	311	192	220	111	126	110	230	212	216	234	228	220
14	305	194	220	146	120	188	235	165	214	232	226	259
15	327	193	227	172	121	286	238	346	334	229	233	443
16	440	194	236	188	153	249	243	378	483	237	178	462
17	442	198	241	187	151	186	237	357	498	232	180	336
18	432	198	246	192	137	179	234	362	506	213	169	214
19	279	198	254	188	123	163	241	306	511	219	282	201
20	196	196	235	169	118	174	238	234	328	219	404	197
21	191	196	235	122	116	190	247	216	181	340	145	196
22	188	198	262	91	114	186	256	244	207	491	145	196
23	187	199	140	75	112	177	294	263	217	506	159	197
24	188	200	149	64	112	170	268	251	217	511	118	198
25	189	201	153	51	113	167	244	246	217	429	259	266
26	185	198	155	36	115	165	211	230	219	247	424	459
27	186	197	155	89	117	162	196	218	220	227	448	484
28	235	199	152	153	118	156	211	201	222	217	348	499
29	419	200	148	179	135	156	227	180	224	215	219	488
30	401	200	137	167	-----	158	348	212	224	225	209	487
31	94	-----	132	98	-----	161	-----	242	-----	230	206	-----
TOTAL	8,940	6,886	6,337	4,286	3,336	5,154	6,192	11,071	7,573	8,169	7,154	10,052
MEAN	288	230	204	138	115	166	206	357	252	264	231	335
MAX	442	435	262	223	153	286	348	544	511	511	448	499
MIN	94	192	132	36	51	103	112	165	113	213	118	196
AC-FT	17,730	13,660	12,570	8,500	6,620	10,220	12,280	21,960	15,020	16,200	14,190	19,940
CAL YR 1971	TOTAL	76,138	MEAN 209	MAX 516	MIN 62	AC-FT 151,000						
YR 1972	TOTAL	85,150										

07380400 Bayou Lafourche at Donaldsonville, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	JCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.17	7.36	6.86	5.87	4.94	6.12	6.18	9.12	6.77	6.90	6.87	6.71
2	7.60	8.46	6.85	6.13	5.05	6.46	6.22	8.97	6.31	6.85	6.73	6.68
3	8.13	8.17	6.85	5.99	5.56	6.25	6.19	8.99	5.86	6.84	6.79	6.69
4	7.58	6.79	--	6.43	5.54	5.94	6.01	9.00	5.53	6.86	6.79	6.67
5	7.58	6.60	--	6.88	5.56	5.80	5.70	9.02	6.34	6.87	6.78	7.23
6	7.53	6.52	--	6.23	5.79	5.77	5.50	9.03	6.86	7.02	6.78	8.61
7	7.44	7.41	--	5.90	5.69	5.81	6.33	9.08	6.84	6.95	6.78	8.74
8	7.50	8.55	--	5.75	4.71	6.15	6.37	9.13	6.82	6.93	6.78	8.77
9	8.03	7.67	--	5.71	5.01	6.50	6.03	9.13	6.83	6.95	6.80	8.59
10	6.13	6.68	--	5.73	5.55	5.97	5.94	9.13	6.80	6.96	6.80	8.83
11	7.87	6.58	--	5.57	5.56	5.43	5.69	9.15	6.79	6.97	6.81	8.83
12	7.52	6.54	--	5.79	5.77	5.40	6.24	8.22	6.79	6.99	6.82	7.97
13	7.67	6.52	--	5.49	5.70	5.49	6.96	6.74	6.81	7.01	6.94	6.86
14	7.62	6.54	--	5.95	5.61	6.44	7.02	6.12	6.79	6.99	6.93	7.16
15	7.75	6.54	6.94	6.28	5.64	7.56	7.35	8.01	7.77	6.95	7.00	8.60
16	8.58	6.55	7.03	6.47	6.03	7.14	7.11	8.22	8.82	7.04	6.33	8.70
17	8.59	6.60	7.09	6.46	6.01	6.45	7.34	8.09	9.93	6.99	6.37	7.80
18	8.53	6.60	7.14	6.52	5.83	6.36	7.00	8.12	8.94	6.77	6.22	6.79
19	7.23	6.60	7.23	6.47	5.66	6.16	7.09	7.68	8.97	6.84	7.10	6.63
20	6.57	6.58	6.96	6.23	5.60	6.30	7.05	7.01	7.56	6.85	8.22	6.58
21	6.51	6.58	6.82	5.65	5.57	6.50	7.15	6.81	6.39	7.78	5.94	6.58
22	6.48	6.60	7.09	5.25	5.54	6.45	7.25	7.11	6.71	8.86	5.93	6.58
23	6.46	6.61	5.88	5.03	5.52	6.33	7.62	7.33	6.82	8.94	6.11	6.59
24	6.47	6.62	5.98	4.37	5.52	6.25	7.33	7.19	6.82	8.97	5.59	6.60
25	6.48	6.63	6.04	4.71	5.54	6.21	7.13	7.15	6.83	8.46	6.95	7.19
26	6.44	6.60	6.06	4.51	5.56	6.18	6.73	6.97	6.84	7.16	8.49	8.68
27	6.45	6.59	6.06	5.20	5.58	6.15	6.57	6.83	6.86	6.94	8.62	8.82
28	6.91	6.62	6.02	6.03	5.59	6.07	6.76	6.63	6.87	6.82	7.88	8.91
29	8.46	6.63	5.97	6.35	5.81	6.07	6.93	6.37	6.89	6.80	6.84	8.85
30	8.24	6.62	5.83	6.21	-----	6.10	8.04	6.74	6.90	6.91	6.73	8.34
31	5.27	-----	5.77	5.33	-----	6.13	-----	7.10	-----	6.97	6.70	-----
MEAN	7.38	6.87	--	5.84	5.55	6.19	6.66	7.88	7.03	7.20	6.85	7.70
MAX	8.59	9.55	--	6.88	6.33	7.56	8.04	9.15	8.97	8.97	8.62	8.91

07381200 Bayou Lafourche at Valentine, La.

LOCATION.--Lat 29°35'35", long 90°28'25", on line between lots 96 and 98, T.17 S., R.20 E., Lafourche Parish, on upstream side of bridge on State Highway 308, at Valentine, 5.7 miles south of Lockport, and 5.2 miles upstream from Intracoastal Waterway.

PERIOD OF RECORD.--April 1966 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage at mean sea level. Prior to Oct. 1, 1968, at datum 2.98 ft higher.

EXTREMES.--Current year: Maximum elevation, 2.22 ft Sept. 26; minimum, 0.35 ft Feb. 21.

Period of record: Maximum elevation, 2.60 ft Sept. 16, 1971; minimum, -0.18 ft Feb. 9, 1968 (present datum).

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets. Elevation affected by tide at all stages. Records of specific conductance for the water year 1972 are published in Part 2 of this report.

ELEVATION, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	1.50	1.60	1.60	1.32	1.40	.98	--	1.50	1.12	1.52	1.16
2	1.80	1.64	1.53	1.75	1.60	1.87	.90	--	1.53	1.18	1.50	1.35
3	1.75	1.73	1.67	1.66	1.65	1.58	.94	--	1.60	1.31	1.55	1.45
4	1.72	1.43	1.52	1.73	1.17	1.30	1.12	--	1.65	1.25	1.54	1.56
5	1.70	1.33	1.45	1.85	.79	1.40	1.03	--	1.58	1.10	1.43	1.56
6	1.66	1.35	1.52	1.45	.85	.98	1.02	--	1.62	1.10	1.24	1.57
7	1.58	1.37	1.80	1.20	1.45	1.05	1.16	--	1.45	1.15	1.16	1.60
8	1.58	1.03	1.65	1.10	1.22	1.22	1.30	--	1.40	1.22	1.10	1.53
9	1.59	1.14	1.55	1.25	1.04	1.21	1.09	--	1.35	1.28	1.06	1.56
10	1.50	1.07	1.65	1.43	.95	1.04	1.19	--	1.42	1.37	1.05	1.41
11	1.24	.96	1.70	1.57	1.02	1.04	1.37	--	1.46	1.44	1.03	1.45
12	1.28	1.13	1.58	1.47	1.26	1.08	1.38	--	1.46	1.44	1.04	1.68
13	1.26	1.05	1.48	1.53	1.24	1.12	1.40	--	1.70	1.43	1.63	1.76
14	1.20	1.23	1.48	1.63	1.10	1.14	1.54	--	1.87	1.45	.96	1.77
15	1.15	1.30	1.72	1.40	1.20	1.12	1.63	--	1.98	1.50	.99	1.76
16	1.25	1.35	1.84	.99	1.37	1.23	--	--	1.98	1.57	1.00	1.75
17	1.45	1.42	1.79	.84	1.55	1.06	--	--	1.90	1.58	1.09	1.76
18	1.65	1.60	1.63	.92	1.43	.91	--	--	1.82	1.63	1.15	1.75
19	1.65	1.70	1.46	1.12	1.02	1.10	--	--	1.80	1.67	1.18	1.65
20	1.71	1.52	1.57	1.20	.53	1.11	--	--	1.73	1.75	1.15	1.55
21	1.70	1.41	1.62	1.57	.56	1.35	--	--	1.71	1.90	1.03	1.49
22	1.63	1.30	1.55	1.47	.44	1.45	--	--	1.53	1.93	.92	1.55
23	1.60	1.15	1.43	1.50	.40	1.20	--	--	1.48	1.85	1.09	1.72
24	1.58	1.52	1.50	1.51	.72	1.16	--	1.20	1.50	1.75	1.17	1.87
25	1.45	1.24	1.33	1.64	.84	1.12	--	1.25	1.37	1.70	1.27	2.10
26	1.39	1.22	1.30	1.37	1.06	.89	--	1.23	1.34	1.68	1.27	2.11
27	1.37	1.30	1.42	1.35	1.08	1.10	--	1.25	1.33	1.66	1.08	2.15
28	1.42	1.30	1.51	1.41	1.03	1.18	--	1.30	1.34	1.65	1.15	2.08
29	1.40	1.62	1.52	1.42	1.07	1.27	--	1.30	1.31	1.60	1.13	1.97
30	1.29	1.60	1.59	1.45	----	1.13	--	1.40	1.22	1.50	1.09	1.97
31	1.45	----	1.61	1.39	----	.96	----	1.50	----	1.53	1.12	----
MAX	1.85	1.73	1.84	1.85	1.65	1.87	--	--	1.98	1.93	1.55	2.15
MIN	1.15	.96	1.30	.84	.40	.89	--	--	1.22	1.10	.92	1.16

07381300 Bayou Lafourche at Golden Meadow, La.

LOCATION.--Lat 29°23'25", long 90°15'55", on line between lots 22 and 23, T.19 S., R.22 E., Lafourche Parish, near right bank on downstream side of first pile bent from right abutment of highway bridge connecting State Highways 1 and 308 at Golden Meadow.

PERIOD OF RECORD.--April 1959 to September 1968, February to July 1970, October 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 3.40 ft below mean sea level (levels by Louisiana Department of Public Works). Prior to Feb. 10, 1970, at datum 3.40 ft higher.

EXTREMES.--Current year: Maximum gage height, 6.33 ft May 12, minimum, 3.18 ft Feb. 20.

Period of Record: Maximum gage height, 8.13 ft Oct. 4, 1964, present datum; minimum, not determined.

REMARKS.--Gage height affected by tide at all stages.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.53	5.22	--	5.20	4.90	5.08	4.78	5.70	5.00	4.74	5.36	5.21
2	5.38	5.28	--	5.35	5.12	5.35	4.50	5.62	5.13	4.79	5.41	5.31
3	5.38	5.34	--	5.27	4.82	4.70	4.50	5.50	5.17	4.96	5.50	5.39
4	5.15	5.00	--	5.41	3.97	4.67	4.42	5.18	5.30	5.01	5.42	5.43
5	5.22	5.21	--	4.79	4.00	4.32	4.35	4.91	5.35	4.92	5.26	5.34
6	5.19	5.23	--	4.62	4.15	4.17	4.35	4.88	5.30	5.00	5.11	5.34
7	5.30	5.06	--	4.30	4.37	4.38	4.63	5.25	5.22	5.10	5.03	5.27
8	5.37	4.97	--	4.37	4.00	4.34	4.60	5.40	5.18	5.10	4.88	5.20
9	5.52	5.16	--	4.62	3.90	4.17	4.52	5.18	5.17	5.10	4.71	5.16
10	5.30	4.79	--	4.81	3.95	4.19	4.85	5.21	5.17	5.15	4.69	5.00
11	5.20	4.92	--	5.02	4.20	4.18	4.94	5.38	5.05	5.16	4.61	5.31
12	5.18	4.70	--	4.78	4.59	4.35	5.06	5.97	5.12	5.03	4.76	5.50
13	5.10	4.54	--	5.00	4.45	4.45	5.11	6.00	5.41	5.02	4.84	5.65
14	4.88	4.87	--	4.98	4.42	4.62	5.25	5.75	5.58	5.05	4.75	5.61
15	4.95	4.68	--	4.57	4.68	4.65	5.30	5.65	5.66	5.21	4.88	5.57
16	4.94	4.97	5.35	4.35	4.79	4.92	5.15	5.45	5.56	5.25	4.97	5.50
17	5.06	5.18	5.30	4.43	5.02	4.71	4.76	5.35	5.41	5.33	5.05	5.50
18	5.13	5.37	4.80	4.70	4.53	4.62	4.62	5.35	5.43	5.45	5.12	5.43
19	5.25	5.45	5.15	4.88	3.45	4.23	5.58	5.28	5.67	5.04	5.10	5.27
20	5.48	5.13	5.26	5.02	3.30	4.33	4.61	5.01	5.65	5.60	4.97	5.24
21	5.33	5.10	5.24	5.00	3.34	4.55	4.85	4.95	5.54	5.77	4.89	5.13
22	5.36	4.93	5.10	4.91	3.43	4.55	5.05	4.93	5.19	5.67	4.85	5.26
23	5.42	5.19	5.03	4.82	3.52	4.30	4.73	4.88	5.26	5.51	5.02	5.45
24	5.31	5.20	5.07	4.68	3.81	4.30	5.07	4.93	5.14	5.36	4.93	5.71
25	5.27	5.03	4.69	4.77	4.17	4.32	4.67	4.98	5.05	5.27	4.97	6.03
26	5.16	5.05	5.61	4.61	4.45	4.14	4.97	4.88	5.01	5.17	4.77	6.00
27	5.27	4.89	4.84	4.73	4.48	4.65	5.25	4.97	4.95	5.17	4.71	5.85
28	5.24	4.90	4.98	4.88	4.48	4.78	5.42	5.24	4.90	5.13	4.91	5.76
29	5.14	--	5.00	4.73	4.78	4.93	5.85	4.95	4.75	5.13	5.00	5.67
30	5.05	--	5.12	4.90	-----	4.51	5.70	5.10	4.67	5.11	5.13	5.62
31	5.03	-----	5.19	4.52	-----	4.88	-----	5.08	-----	5.20	5.15	-----
MAX	5.53	--	--	5.41	5.12	5.35	5.85	6.00	5.67	5.77	5.50	6.03
MIN	4.88	--	--	4.30	3.30	4.14	4.35	4.88	4.67	4.74	4.61	5.00

07381800 Spring Creek near Glenmora, La.

LOCATION.--Lat 31°00'10", long 92°34'10", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.4, T.1 S., R.2 W., Rapides Parish, Louisiana meridian, near right bank on downstream side of bridge on U.S. Highway 165, 0.2 mile upstream from Missouri Pacific Railroad Co. bridge, 2 miles north of Glenmora, and 7.9 miles upstream from mouth.

DRAINAGE AREA.--68.3 sq mi.

PERIOD OF RECORD.--Water years 1954-56 (annual maximum), March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 63.28 ft above mean sea level (Louisiana Geodetic Survey bench mark). Oct. 23, 1953, to Mar. 6, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years, 86.3 cfs (17.16 inches per year, 62,520 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 2,930 cfs Dec. 6 (gage height, 15.24 ft); minimum, 30 cfs Sept. 10, 11-15, 16; minimum gage height, 4.59 ft on Sept. 14, 15.

Period of record: Maximum discharge, 6,120 cfs Nov. 12, 1966 (gage height, 17.22 ft); minimum, 27 cfs Sept. 20, Oct. 4, 5, 6, 1970; minimum gage height, 4.55 ft Oct. 4, 5, 6, 1970.

Maximum stage since 1886, 20.5 ft in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 2120: 1961-62(M), 1964-65(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	32	43	55	144	52	50	42	30	36	42	32
2	37	32	382	64	91	213	48	62	38	36	37	32
3	37	32	949	70	76	150	48	65	38	36	38	32
4	37	32	335	112	66	96	48	48	38	57	36	31
5	38	32	303	239	64	70	48	44	38	61	34	32
6	39	32	2,240	204	67	62	48	42	39	50	34	32
7	36	32	2,080	91	90	61	47	44	38	40	34	31
8	37	32	706	76	106	83	46	55	38	38	34	31
9	37	32	130	77	72	74	45	55	39	37	33	31
10	36	36	103	265	64	62	45	45	42	36	33	31
11	35	34	88	232	63	59	46	44	38	36	34	30
12	35	33	81	104	72	55	45	53	38	36	36	30
13	36	33	78	82	90	55	45	40	38	44	44	30
14	35	33	74	72	80	55	44	45	45	40	36	30
15	36	33	77	67	66	55	44	44	46	36	35	30
16	38	33	78	64	60	61	47	42	134	51	35	31
17	44	33	137	62	58	55	44	42	91	52	34	32
18	38	42	128	61	50	56	43	41	118	30	33	32
19	37	40	80	61	57	54	42	41	51	36	32	32
20	36	58	76	217	58	53	42	40	43	36	32	31
21	35	46	70	302	56	100	42	40	40	35	32	32
22	35	38	66	142	55	118	44	40	40	35	32	32
23	35	42	63	92	54	76	42	40	39	34	32	31
24	34	40	62	79	53	63	42	40	38	34	34	34
25	34	38	61	72	52	60	41	40	38	34	39	40
26	34	37	60	67	51	64	41	39	37	34	35	34
27	34	37	59	65	50	60	41	40	36	86	33	74
28	34	41	50	64	40	56	46	40	36	49	32	42
29	33	43	57	72	49	54	44	40	36	40	32	34
30	33	38	56	246	-----	51	43	45	36	52	32	34
31	33	-----	56	301	-----	50	-----	40	-----	69	32	-----
TOTAL	1,114	1,124	9,953	3,787	1,972	2,234	1,341	1,388	1,404	1,335	1,071	1,310
MEAN	35.9	37.5	286	122	68.0	72.1	44.7	44.8	46.8	43.1	34.5	33.7
MAX	44	60	2,240	302	144	213	50	65	134	86	44	74
MIN	33	32	43	55	49	50	41	39	36	34	32	30
CFSM	.53	.55	4.10	1.79	1.00	1.06	.65	.66	.69	.63	.51	.49
IN.	.61	.61	4.92	2.06	1.07	1.22	.73	.76	.76	.73	.58	.55
AC-FT	2,210	2,230	17,560	7,510	3,910	4,430	2,660	2,750	2,780	2,650	2,120	2,000

CAL YR 1971 TOTAL 30,859 MEAN 34.5 MAX 2,240 MIN 32 CFSM 1.24 IN 16.81 AC-FT 61,210
WTP YR 1972 TOTAL 26,633 MEAN 72.3 MAX 2,240 MIN 30 CFSM 1.07 IN 14.51 AC-FT 52,830

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	1730	15.24	2,930				

07382000 Bayou Cocodrie near Clearwater, La.

LOCATION.--Lat 31°00'00", long 92°22'46", in NW¼SW¼ sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, near right bank on downstream side of bridge on U. S. Highway 167, 1,000 ft downstream from Cocodrie Lake dam, 1.0 mile downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 miles east of Clearwater, 4 miles south of Meeker, and 5 miles downstream from Hurricane Creek.

DRAINAGE AREA.--240 sq mi.

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.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above mean Gulf level (datum of Corps of Engineers), and 39.57 ft above mean sea level (levels by Louisiana Department of Public Works) May 1922 to January 1925, nonrecording gage 500 ft downstream at datum about 1.5 ft lower. October to December 1937, nonrecording gage at present site at datum 40.00 ft lower. Jan. 1, 1938, to Mar. 28, 1940, nonrecording gage at present site and datum. Since Jan. 23, 1945, auxiliary nonrecording gage 6.6 miles downstream at datum 35.10 ft above mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--37 years (1922-24, 1937-72), 403 cfs (22.80 inches per year, 292,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, about 2,250 cfs, Dec. 8 (gage height, unknown); minimum, 66 cfs Nov. 8, 9.
Period of record: Maximum discharge, 28,200 cfs 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 unaffected by backwater or temporary diversion upstream, 50 cfs June 18, 1960.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake (usable capacity, 9,000 acre-ft). Storage began Jan. 23, 1959. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1211: 1938, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	80	92	1,030	972	255	344	219	110	135	127	105
2	190	78	100	1,010	969	436	314	339	103	135	129	104
3	177	76	120	998	951	582	289	368	97	133	127	103
4	167	74	150	1,000	926	700	265	388	91	136	126	101
5	159	72	250	1,020	901	698	246	374	94	135	125	99
6	151	70	1,000	1,060	884	663	232	344	161	134	124	97
7	142	67	2,000	1,100	876	610	219	354	163	133	124	96
8	135	66	2,200	1,120	866	569	202	336	157	133	123	94
9	129	72	2,100	1,100	851	537	189	312	154	133	122	93
10	124	78	1,900	1,080	830	507	180	294	156	132	121	91
11	118	80	1,790	1,060	809	471	173	287	151	132	120	89
12	113	80	1,690	1,040	801	431	165	337	146	132	120	97
13	109	79	1,620	1,000	791	392	158	350	142	133	120	96
14	106	78	1,560	980	784	359	150	367	144	133	119	94
15	104	77	1,530	960	768	329	144	364	149	133	118	92
16	109	76	1,490	940	747	314	148	349	153	133	118	90
17	122	75	1,470	920	724	300	139	320	156	134	118	90
18	129	79	1,480	900	700	293	137	290	160	133	117	80
19	134	90	1,470	890	654	281	125	262	160	133	117	90
20	135	93	1,440	947	594	267	118	239	159	132	116	79
21	132	93	1,410	972	537	378	177	220	155	132	115	78
22	126	93	1,370	989	483	477	210	202	150	132	115	74
23	120	96	1,330	982	436	562	226	188	146	130	113	78
24	113	98	1,290	963	396	566	222	175	142	129	113	77
25	105	96	1,250	937	362	536	208	163	141	128	113	80
26	96	96	1,210	913	328	503	195	151	140	127	112	81
27	92	95	1,180	888	299	503	192	142	139	126	111	83
28	87	95	1,140	863	277	493	206	134	138	126	108	86
29	93	94	1,110	843	260	459	201	126	136	126	108	88
30	81	93	1,080	878	-----	411	193	123	136	128	107	91
31	80	-----	1,050	937	-----	376	-----	115	-----	127	106	-----
TOTAL	3,872	2,480	38,872	30,320	19,776	14,258	5,952	8,232	4,229	4,078	3,652	2,630
MEAN	125	93.0	1,254	978	682	460	199	266	141	132	118	87.7
MAX	204	98	2,200	1,120	972	700	344	388	163	136	129	105
MIN	80	66	92	843	260	255	118	115	91	126	106	77
CFSM	.52	.35	5.23	4.08	2.84	1.92	.83	1.11	.59	.55	.49	.37
IN.	.60	.39	6.03	4.70	3.07	2.21	.92	1.28	.66	.63	.57	.41
AC-FT	7,680	4,940	77,100	60,140	39,230	28,280	11,830	16,330	8,390	8,090	7,240	5,220

CAL YR 1971 TOTAL 146,107 MEAN 407 MAX 2,200 MIN 66 CFSM 1.67 IN 22.65 AC-FT 289,800
WTR YR 1972 TOTAL 138,370 MEAN 378 MAX 2,200 MIN 66 CFSM 1.58 IN 21.45 AC-FT 274,500

NOTE.--No gage-height record Nov. 26 to Dec. 9.

07382500 Bayou Courtableau at Washington, La.

LOCATION.--Lat 30°37'05", long 92°03'20", in lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mile upstream from Texas and New Orleans Railroad Co. bridge, 1.2 miles upstream from Bayou Carron, 3.5 miles downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 miles north of Opelousas.

DRAINAGE AREA.--715 sq mi (see REMARKS).

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Louisiana Geodetic Survey bench mark). Prior to Aug. 23, 1948, non-recording gage at same site and datum. Auxiliary water-stage recorder 3.2 miles upstream. Datum of auxiliary gage is at mean Gulf level (Corps of Engineers bench mark). Prior to Feb. 28, 1949, auxiliary nonrecording gage at site 3.5 miles upstream at same datum.

AVERAGE DISCHARGE.--26 years, 1,004 cfs (727,400 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 7,520 cfs Dec. 29; maximum elevation, 30.81 ft Dec. 9; minimum daily discharge, 92 cfs Sept. 15.

Period of record: Maximum discharge, 9,490 cfs May 21, 1953; maximum elevation, 35.29 ft May 22, 1953; minimum discharge, 71 cfs June 16, 1963; minimum elevation, 10.72 ft Oct. 18, 1956.

REMARKS.--Records good. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, flood-flow is diverted from 76.1 sq mi in Bayou Rapides basin into Bayou Boeuf when stages of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Records of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	150	470	7,260	3,350	472	611	391	161	135	230	123
2	388	143	1,240	7,110	3,460	1,430	579	1,300	146	127	280	128
3	384	143	3,140	6,550	3,330	2,770	543	3,210	121	128	300	134
4	379	151	3,390	6,290	2,870	2,630	520	2,950	103	131	320	122
5	475	141	3,490	7,120	2,190	2,200	547	2,410	87	139	270	122
6	1,470	132	3,750	7,180	1,760	1,620	506	1,640	101	142	240	130
7	1,220	126	4,280	7,090	2,480	1,260	466	1,080	86	134	210	113
8	923	120	4,770	6,590	2,390	1,310	416	1,190	85	137	180	110
9	634	110	5,330	5,500	1,980	1,350	352	962	129	142	170	105
10	342	105	5,700	5,570	1,620	1,150	304	798	173	153	160	100
11	252	105	5,920	4,500	1,390	999	272	723	217	148	150	98
12	219	100	6,010	3,360	1,410	869	212	786	208	140	140	95
13	216	100	6,040	3,270	1,680	760	237	1,530	170	177	140	94
14	211	105	5,980	3,100	1,550	639	274	1,410	173	210	140	94
15	203	115	5,960	2,620	1,400	596	265	1,040	197	200	190	92
16	231	140	5,900	1,990	1,280	903	252	751	304	150	220	290
17	1,090	170	5,800	1,550	1,190	875	222	701	401	140	180	387
18	1,230	210	5,740	1,390	1,160	628	199	592	281	170	145	382
19	882	264	5,690	1,360	1,150	577	188	477	234	220	121	341
20	629	228	5,670	1,880	1,080	530	168	402	244	200	118	308
21	410	173	5,820	3,030	965	1,920	152	377	268	210	116	294
22	308	170	6,030	3,080	883	2,370	243	368	290	200	115	286
23	289	173	6,280	3,090	752	1,920	346	321	274	180	121	279
24	269	160	6,580	2,820	699	1,480	281	296	226	170	139	255
25	236	188	6,870	2,220	670	2,060	284	268	217	160	169	257
26	193	194	7,070	1,610	655	1,920	272	230	213	155	177	257
27	184	176	7,270	1,350	549	1,380	243	217	197	150	184	312
28	172	191	7,450	1,300	454	1,080	390	185	187	150	154	352
29	156	400	7,500	1,280	479	1,120	710	196	171	160	130	457
30	151	311	7,440	2,620	-----	967	522	182	136	170	129	357
31	156	-----	7,430	3,320	-----	743	-----	164	-----	190	126	-----
TOTAL	14,234	4,994	170,010	117,000	44,896	40,528	10,575	27,187	5,800	5,018	5,464	6,474
MEAN	459	166	5,484	3,774	1,548	1,307	353	877	193	162	176	216
MAX	1,470	400	7,500	7,260	3,460	2,770	710	3,210	401	220	320	457
MIN	151	100	470	1,280	479	472	152	164	85	127	115	92
AC-FT	29,230	9,910	337,200	232,100	89,050	80,390	20,980	53,930	11,500	9,950	10,840	12,840
CAL YR 1971	TOTAL 446,019	MEAN 1,222	MAX 7,500	MIN 83	AC-FT 884,700							
WTR YR 1972	TOTAL 452,180	MEAN 1,235	MAX 7,500	MIN 85	AC-FT 896,900							

NOTE.--No gage-height record July 16 to Aug. 17 at base gage.

07383500 Bayou des Glaisses diversion channel at Moreauville, La.

LOCATION.--Lat 31°01'59", long 91°58'57", in NE¼ sec.29, T.1 N., R.5 E., Avoyelles Parish, near left bank on downstream side of bridge on State Highway 1 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 sq mi (see REMARKS).

PERIOD OF RECORD.--July 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above mean sea level, (levels by Louisiana Department of Public Works). Prior to Oct. 31, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961 at datum 4.84 ft higher.

AVERAGE DISCHARGE.--29 years, 410 cfs (297,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 4,980 cfs Dec. 6 (gage height, 20.54 ft); minimum, 5.2 cfs Sept. 30 (gage height, 2.11 ft).
Period of record: Maximum discharge, 6,340 cfs May 18, 1953 (gage height, 22.68 ft present datum); minimum, 2.8 cfs Oct. 26, 27, 1964.

REMARKS.--Records good, except those for period of no gage-height record and indefinite stage-discharge relation which are poor. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 miles 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 miles downstream. Records of water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	22	164	1,040	1,040	139	180	30	47	18	80	13
2	244	21	728	976	1,020	1,200	148	454	39	17	71	14
3	161	21	1,500	905	1,000	1,090	118	1,030	36	18	59	13
4	100	20	1,020	1,130	962	907	91	871	36	20	64	12
5	70	20	1,540	1,230	907	918	75	822	36	23	59	11
6	62	19	4,580	1,060	880	912	69	770	36	35	41	11
7	45	19	4,480	1,020	980	876	66	717	34	78	29	10
8	38	80	3,720	994	388	829	59	714	32	66	22	9.6
9	34	100	3,180	950	838	786	54	709	37	47	18	9.1
10	32	90	2,780	1,090	789	738	53	677	33	34	15	10
11	30	50	2,540	1,490	740	680	50	620	32	30	14	14
12	28	35	2,400	1,260	762	588	48	562	32	29	14	12
13	27	30	2,120	1,200	750	425	44	685	32	36	14	11
14	26	27	2,220	1,150	705	310	40	661	29	49	14	11
15	28	25	2,330	1,110	669	248	37	602	30	50	17	11
16	170	23	2,310	1,050	628	231	41	475	47	41	16	11
17	160	22	2,580	992	562	218	40	342	44	48	15	10
18	100	150	2,330	922	478	204	42	246	126	78	14	10
19	50	200	2,190	854	425	180	49	183	150	36	15	9.6
20	40	150	2,200	978	372	154	43	183	121	41	17	9.4
21	35	100	2,080	1,070	307	626	38	186	89	34	16	10
22	32	60	1,950	988	254	732	268	157	70	23	15	11
23	30	50	1,840	976	216	693	281	126	58	15	14	10
24	28	56	1,730	947	191	650	155	98	50	12	13	11
25	27	59	1,620	888	176	565	76	81	41	9.8	12	13
26	26	62	1,510	833	163	438	49	68	34	11	12	13
27	25	54	1,410	775	154	348	36	59	28	11	12	13
28	24	45	1,320	719	144	284	32	52	24	9.6	13	20
29	23	45	1,220	682	140	253	34	46	22	46	16	23
30	23	151	1,180	1,280	-----	242	32	48	19	89	16	7.7
31	22	-----	1,120	1,310	-----	219	-----	57	-----	85	14	-----
TOTAL	2,086	1,806	63,892	31,869	17,140	16,683	2,348	12,331	1,444	1,139.4	761	353.4
MEAN	67.3	60.2	2,061	1,028	591	538	78.3	398	48.1	36.8	24.5	11.8
MAX	346	200	4,580	1,490	1,040	1,200	281	1,030	150	89	80	23
MIN	22	19	164	682	140	139	32	30	19	9.6	12	7.7
AC-FT	4,143	3,580	126,700	63,210	34,000	33,090	4,660	24,460	2,860	2,260	1,510	701

CAL YR 1971 TOTAL 174,625.0 MEAN 478 MAX 4,580 MIN 13 AC-FT 346,400
WTR YR 1972 TOTAL 151,852.8 MEAN 415 MAX 4,580 MIN 7.7 AC-FT 301,200

NOTE.--No gage-height record Oct. 15 to Nov. 24. Indefinite stage-discharge relation Dec. 17-19.

07383500 Bayou des Glaisses diversion channel at Moreauville, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.47	-----	4.74	10.40	10.39	4.49	5.02	3.27	3.26	2.64	3.97	2.56
2	5.57	-----	8.07	10.08	10.28	10.79	4.76	6.26	3.12	2.62	3.82	2.58
3	4.75	-----	12.29	9.71	10.20	10.62	4.52	10.33	3.05	2.64	3.63	2.56
4	4.02	-----	10.48	10.85	10.01	9.72	4.28	9.53	3.05	2.71	3.70	2.53
5	3.59	-----	12.01	11.27	9.72	9.78	4.11	9.26	3.05	2.78	3.61	2.49
6	3.45	-----	19.86	10.49	9.58	9.75	4.03	8.97	3.05	3.01	3.30	2.47
7	3.18	-----	19.70	10.31	10.10	9.56	3.98	8.66	3.01	3.73	3.05	2.45
8	3.04	-----	18.23	10.16	9.62	9.30	3.88	8.64	2.97	3.56	2.89	2.41
9	2.97	-----	17.16	9.95	9.35	9.07	3.80	8.61	3.07	3.25	2.77	2.38
10	2.91	-----	16.24	10.65	9.08	8.79	3.73	8.42	3.00	3.03	2.68	2.43
11	2.87	-----	15.64	12.32	8.79	8.44	3.67	8.05	2.97	2.93	2.62	2.58
12	2.77	-----	15.31	11.41	8.91	7.87	3.63	7.67	2.98	2.91	2.61	2.53
13	2.68	-----	15.05	11.16	8.85	6.80	3.55	8.47	2.97	3.05	2.60	2.46
14	2.66	-----	14.80	10.97	8.59	6.00	3.46	8.32	2.91	3.29	2.61	2.46
15	2.65	-----	15.12	10.73	8.37	5.55	3.40	7.95	2.92	3.30	2.66	2.48
16	-----	-----	15.07	10.47	8.11	5.42	3.48	7.10	3.25	3.16	2.66	2.46
17	-----	-----	15.70	10.16	7.68	5.32	3.45	6.15	3.19	3.18	2.61	2.45
18	-----	-----	15.74	9.80	7.12	5.21	3.49	5.44	4.32	3.81	2.60	2.44
19	-----	-----	14.85	9.44	6.75	5.02	3.65	4.91	4.59	3.23	2.62	2.41
20	-----	-----	14.73	10.07	6.37	4.81	3.53	4.91	4.26	3.36	2.68	2.40
21	-----	-----	14.34	10.52	5.91	7.94	3.41	4.94	3.89	3.23	2.65	2.44
22	-----	-----	13.89	10.14	5.49	8.75	5.61	4.66	3.62	2.98	2.61	2.46
23	-----	-----	13.53	10.08	5.19	8.53	5.79	4.32	3.44	2.77	2.58	2.43
24	-----	3.21	13.18	9.93	4.98	8.27	4.81	4.00	3.30	2.64	2.54	2.46
25	-----	3.27	12.80	9.62	4.85	7.71	4.11	3.77	3.15	2.56	2.51	2.56
26	-----	3.32	12.40	9.32	4.73	6.88	3.65	3.59	3.01	2.62	2.52	2.57
27	-----	3.18	11.99	9.00	4.64	6.26	3.38	3.46	2.90	2.62	2.52	2.55
28	-----	3.03	11.62	8.67	4.54	5.81	3.30	3.34	2.81	2.55	2.56	2.76
29	-----	3.03	11.22	8.44	4.50	5.58	3.35	3.24	2.74	3.39	2.64	2.81
30	-----	4.56	11.07	11.46	-----	5.51	3.31	3.26	2.68	4.07	2.64	2.30
31	-----	-----	10.81	11.61	-----	5.33	-----	3.42	-----	4.01	2.59	-----
MAX	6.47		19.86	12.32	10.39	10.79	5.79	10.33	4.59	4.07	3.97	2.81
MIN	-----		4.74	8.44	4.50	4.49	3.30	3.24	2.68	2.55	2.51	2.30

07384400 State Canal near Krotz Springs, La.

LOCATION.--Lat 30°33'55", long 91°49'55", in NW¼ sec.2, T.6 S., R.7 E., St. Landry Parish, at bridge on U.S. Highway 71, 1.7 miles upstream from Slow Bayou, 2.0 miles north of the junction of U.S. Highways 71 and 190 and 5.0 miles northwest of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft above mean sea level. Crest-stage gage prior to 1967 at present datum.

EXTREMES.--Current year: Maximum gage height, 18.46 ft Dec. 11; minimum, not determined.

Period of record: Maximum gage height, 18.46 ft Dec. 11, 1971; minimum, not determined.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.93	11.52	11.11	17.34	14.96	13.93	14.73	11.45	--	13.88	11.14	--
2	13.72	11.38	11.35	17.35	14.96	14.36	14.52	11.45	--	14.12	11.20	--
3	13.53	11.22	13.86	17.30	15.00	15.11	14.30	11.59	--	14.37	11.24	--
4	13.38	10.06	15.62	17.28	15.08	15.39	14.12	12.10	--	14.64	11.26	--
5	13.25	10.87	15.98	17.28	15.13	15.53	13.92	13.23	--	14.90	11.26	--
6	13.15	10.58	17.60	17.22	15.25	15.53	14.72	13.54	--	--	11.22	--
7	13.07	10.43	17.91	17.16	15.28	15.47	13.53	13.62	--	--	11.20	--
8	12.98	10.25	18.23	17.10	15.35	15.52	13.35	13.64	--	--	11.17	--
9	13.01	10.12	18.36	17.01	15.43	15.77	13.19	13.47	--	--	10.77	--
10	12.98	10.09	18.43	16.90	15.53	15.79	13.05	13.40	--	--	10.55	--
11	12.82	10.00	18.45	16.92	15.69	15.70	12.94	13.46	12.74	--	10.34	--
12	12.68	9.88	18.33	16.89	15.65	15.54	12.67	13.87	12.88	--	10.20	--
13	12.03	--	18.28	16.90	15.63	15.32	12.42	14.73	12.05	--	10.07	--
14	11.76	--	18.18	16.82	15.72	15.10	12.23	15.05	13.45	--	10.25	--
15	11.53	--	18.08	16.69	15.83	14.89	12.08	15.14	13.27	9.95	10.26	--
16	11.49	--	17.98	16.55	15.97	14.92	12.01	15.13	13.75	10.13	10.31	--
17	14.40	--	17.95	16.38	15.82	14.95	11.85	15.06	13.90	10.26	10.36	--
18	14.82	--	17.93	16.22	15.68	14.90	--	14.90	13.98	10.37	10.43	10.07
19	14.74	--	17.87	16.06	15.53	14.78	--	14.72	13.98	10.46	10.23	--
20	14.60	9.90	17.95	15.78	15.36	14.62	--	14.56	13.25	10.53	10.11	--
21	14.48	9.98	17.92	15.33	15.18	14.93	--	14.47	13.22	10.57	9.95	--
22	14.20	10.03	17.90	15.07	15.02	15.42	--	14.37	13.27	10.60	--	--
23	13.82	10.10	17.82	15.06	14.82	15.65	--	14.31	13.28	10.60	--	--
24	13.52	10.15	17.77	15.10	14.63	15.68	--	14.23	13.35	10.59	--	--
25	13.22	10.18	17.66	15.18	14.42	15.84	11.41	--	13.40	10.25	--	--
26	12.84	10.23	17.60	15.25	14.25	15.79	11.35	--	13.46	10.04	--	--
27	12.61	10.25	17.52	15.38	14.40	15.69	11.31	--	13.50	9.99	--	--
28	12.45	10.28	17.45	15.56	14.18	15.52	11.33	--	13.56	10.06	--	--
29	12.19	10.70	17.36	15.73	14.03	15.34	11.45	--	13.61	10.29	--	--
30	11.95	10.95	17.29	15.53	-----	15.12	11.45	--	13.68	10.39	--	--
31	11.73	-----	17.40	15.06	-----	14.96	-----	--	-----	11.06	-----	-----
MAX	14.82	--	18.45	17.35	15.97	15.84	--	--	--	--	--	--
MIN	11.49	--	11.11	15.06	14.03	13.93	--	--	--	--	--	--

LOCATION.--Lat 30°23'50", long 91°55'50", in lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, near center of span on downstream side of bridge on State Highway 31 at Arnaudville, and 270 ft upstream from Bayou Fusilier.

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Louisiana Geodetic Survey bench mark). Prior to May 11, 1949, non-recording 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. Auxiliary water-stage recorder 3.7 miles upstream at same datum.

AVERAGE DISCHARGE.--23 years, 806 cfs (583,900 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 3,120 cfs Dec. 6; maximum elevation, 21.99 ft Dec. 7; minimum, 104 cfs Sept. 15; minimum elevation, 9.21 ft Sept. 15, 16.

Period of record: Maximum discharge, 4,630 cfs May 24, 1953; maximum elevation, 24.27 ft May 23, 1953; minimum discharge, 53 cfs Aug. 12, 1965; minimum elevation, 6.78 ft Oct. 28, 1956.

REMARKS.--Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station via Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya floodway through Big Darbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 sq mi) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,020	369	465	1,460	1,470	768	1,070	558	605	170	346	179
2	1,000	345	825	1,410	1,420	1,120	995	604	565	150	371	167
3	967	309	1,250	1,360	1,350	1,290	911	1,100	559	145	448	160
4	921	290	1,250	1,240	1,270	1,290	847	1,250	512	140	492	154
5	881	270	1,800	1,310	1,190	1,200	818	1,220	410	150	473	146
6	933	250	2,630	1,340	1,150	1,100	797	1,110	385	150	435	141
7	1,060	225	2,080	1,310	1,170	1,100	770	950	350	160	392	142
8	1,030	190	2,230	1,250	1,220	1,020	692	854	343	150	339	131
9	711	171	2,350	1,200	1,170	994	605	1,040	330	160	302	129
10	570	158	2,250	1,080	1,100	1,110	570	1,040	308	170	279	126
11	520	140	1,990	1,280	1,050	1,090	551	982	270	160	252	123
12	475	130	1,960	1,370	1,100	1,030	482	954	256	150	238	120
13	461	120	1,950	1,380	955	979	412	851	317	190	223	118
14	436	120	1,970	1,320	1,060	1,020	377	954	268	240	243	115
15	407	130	1,970	1,230	1,030	1,080	354	951	321	230	295	109
16	489	140	1,970	1,170	1,070	1,300	343	1,030	422	200	289	131
17	787	150	1,990	1,110	965	669	338	1,050	880	180	270	185
18	829	160	1,990	1,080	934	803	337	1,010	884	199	250	236
19	722	180	1,980	1,070	903	913	331	984	817	268	242	270
20	704	200	2,090	1,290	871	1,010	329	924	730	235	230	310
21	715	231	1,980	1,230	842	1,140	310	858	637	250	206	330
22	720	247	1,890	1,270	824	1,160	284	809	542	240	192	320
23	701	264	1,840	1,310	900	1,150	287	742	482	228	179	300
24	664	260	1,770	1,270	924	1,070	308	727	433	218	171	280
25	620	247	1,700	1,200	923	1,400	313	719	380	199	170	280
26	577	244	1,630	1,140	819	1,110	309	706	344	191	182	350
27	533	244	1,560	1,100	805	1,080	300	680	297	180	197	450
28	501	267	1,510	1,080	758	1,120	287	678	270	203	209	520
29	469	410	1,470	1,090	780	1,070	380	673	250	223	207	600
30	439	434	1,470	1,420	-----	1,120	570	653	210	262	199	600
31	406	-----	1,590	1,410	-----	1,110	-----	630	-----	353	190	-----
TOTAL	21,268	6,895	55,400	38,780	30,103	33,416	15,277	27,291	13,377	6,134	9,510	7,222
MEAN	686	230	1,787	1,251	1,038	1,078	509	880	446	198	275	241
MAX	1,060	434	2,630	1,460	1,470	1,400	1,070	1,250	884	353	492	600
MIN	406	120	465	1,070	780	669	284					

07385700 Bayou Teche at Keystone Lock, near St. Martinville, La.

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, on right bank of concrete lock and dam, 3.5 miles south of St. Martinville, and 11 miles upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is mean low Gulf level or 0.78 ft below mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--13 years, 444 cfs (321,700 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 3,500 cfs Dec. 6; maximum gage height, 13.80 ft Dec. 6; minimum, no flow July 21.

Period of record: Maximum discharge, 3,590 cfs Feb. 12, 1966; maximum gage height, 15.59 ft Oct. 4, 1964; minimum discharge, no flow Aug. 10-29, 1962, June 12-16, 1963, July 24, 1964, July 21, 1972.

REMARKS.--Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station via Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaives floodgates and to or from West Atchafalaya floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 sq mi) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water for irrigation is diverted through Ruth Canal (see station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.5 ft in June 1957.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	669	295	458	981	1,370	544	701	423	101	129	313	157
2	661	276	780	1,050	1,270	880	672	492	147	126	274	144
3	646	264	1,170	960	1,120	988	626	748	145	119	326	139
4	659	235	1,180	973	958	953	622	806	150	114	384	135
5	678	219	1,880	962	833	877	590	689	115	114	399	136
6	619	212	3,000	895	945	773	559	577	68	109	373	130
7	650	201	3,000	846	1,010	705	542	622	135	99	343	117
8	696	185	2,640	801	834	888	538	520	150	92	304	104
9	616	188	2,310	759	782	908	497	422	140	100	269	100
10	459	186	2,240	856	736	830	465	446	130	119	246	98
11	379	180	2,060	1,090	698	752	402	542	130	103	232	89
12	353	174	1,880	977	868	712	207	778	125	115	217	89
13	342	165	1,720	916	979	672	197	1,060	150	115	193	85
14	319	161	1,580	872	884	660	187	921	155	123	213	81
15	297	155	1,500	811	744	699	175	725	180	144	262	71
16	402	157	1,370	747	1,030	1,390	182	577	482	218	260	71
17	1,150	155	1,330	711	785	1,360	150	551	616	204	251	127
18	1,260	152	1,300	682	701	1,250	121	535	607	191	228	168
19	1,230	176	1,260	666	626	1,110	97	495	562	183	204	191
20	1,010	177	1,520	1,370	580	907	155	445	474	40	202	213
21	737	203	1,410	1,430	555	1,150	137	407	410	50	199	228
22	561	212	1,300	1,350	535	1,050	122	358	309	173	187	210
23	518	238	1,220	1,220	538	933	91	297	260	192	178	208
24	498	241	1,140	1,060	575	799	137	261	224	182	165	201
25	470	229	1,080	906	593	1,080	128	261	190	179	160	213
26	440	219	1,030	783	595	1,140	118	244	160	212	163	216
27	416	227	986	718	558	1,040	125	242	140	210	178	226
28	394	318	954	708	543	872	253	244	100	234	185	297
29	372	368	928	702	527	754	482	229	80	211	183	263
30	340	358	895	1,260	-----	710	484	182	84	476	179	324
31	317	-----	945	1,360	-----	720	-----	162	-----	436	173	-----
TOTAL	18,158	6,526	46,066	29,422	22,772	28,106	9,762	15,261	6,719	5,112	7,463	4,831
MEAN	586	218	1,486	949	785	907	325	492	224	165	241	161
MAX	1,260	368	3,000	1,430	1,370	1,390	701	1,060	616	476	399	324
MIN	297	152	458	666	527	544	91	162	68	40	160	71
AC-FT	36,020	12,940	91,370	58,360	45,170	55,750	19,360	30,270	13,330	10,140	14,800	9,580
CAL YR 1971	TOTAL	209,358	MEAN	574	MAX	3,000	MIN	61	AC-FT	415,300		
WTR YR 1972	TOTAL	200,198	MEAN	547	MAX	3,000	MIN	40	AC-FT	397,100		

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.

LOCATION.--Lat 30°24'26", long 92°58'41", on line between lots 37 and 43, T.7 S., R.5 E., Louisiana meridian, St. Landry-St. Martin Parish line, near center of span on downstream side of bridge on State Highway 93, 1.1 miles upstream from Bayou Bourbeau, and 2.8 miles west of water tower in Arnaudville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Nov. 10, 1971, nonrecording gage at same site and datum.

EXTREMES.--Maximum and minimum elevations for water years 1960-72 are contained in the following table:

Water year	Maximum		Minimum	
	Date	Elevation (feet)	Date	Elevation (feet)
1960+	Aug. 25, 1960	9.56	Sept. 26, 1960	4.55
1961	Feb. 19, 1961	20.78	Oct. 3, 1960	5.17
1962	Dec. 18, 1961	18.89	Aug. 25, 1962	<3.40
1963	Jan. 20, 1963	16.26	June 10-17, 1963	<3.04
1964	Mar. 2, 1964	18.38	June 28, 1964	3.58
1965	Mar. 2, 1965	19.63	July 29, 1965	3.89
1966	Feb. 16, 1966	20.68	Dec. 12, 1965	4.50
1967	Apr. 16, 1967	20.92	Aug. 23, 1967	4.73
1968	Dec. 28, 1967	16.71	Oct. 25, 1967	4.16
1969	Apr. 14, 1969	20.21	--	(#)
1970		(#)	--	(#)
1971	Sept. 18, 1971	19.34	July 20, 1971	4.07
1972	Dec. 7, 1971	21.98	Sept. 15, 1972	3.82

+ Period May to September

Not determined.

<less than amount shown

Period of record: Maximum elevation, 21.98 ft Dec. 7, 1971;
minimum not determined.

REMARKS.--Total flow diverted from Bayou Teche, except for short period on Dec. 6, 1971, when flow was reversed.

Discharge measurements made prior to and during collection of records

Date	Discharge (cfs)	Date	Discharge (cfs)	Date	Discharge (cfs)	Date	Discharge (cfs)
Oct. 15, 1958...	347	Dec. 12, 1961...	495	May 5, 1965...	303	Oct. 3, 1968...	80
Nov. 20.....	95	Jan. 17, 1962...	488	June 3.....	199	Nov. 20.....	93
Dec. 15.....	88	Feb. 7.....	468	July 8.....	45	Dec. 18.....	207
Jan. 14, 1959...	133	Mar. 17.....	401	Aug. 4.....	28	Feb. 7, 1969...	243
Feb. 18.....	346	Apr. 2.....	512	Sept. 1.....	93	Mar. 19.....	543
Mar. 19.....	354	May 8.....	505	Oct. 7.....	143	Apr. 30.....	335
Apr. 15.....	377	June 6.....	402	Nov. 2.....	39	June 10.....	212
May 13.....	327	July 11.....	226	Dec. 7.....	45	July 16.....	48
June 9.....	494	Aug. 6.....	48	Jan. 12, 1966...	305	Sept. 2.....	64
July 13.....	248	Sept. 6.....	199	Feb. 8.....	298	Oct. 14.....	162
Aug. 17.....	70	Oct. 4.....	228	Feb. 17.....	431	Nov. 20.....	35
Sept. 17.....	120	Nov. 1.....	67	Apr. 6.....	113	Jan. 15, 1970...	242
Oct. 20.....	171	Nov. 28.....	169	May 4.....	435	Feb. 20.....	190
Nov. 18.....	103	Jan. 9, 1963...	302	June 7.....	165	Apr. 6.....	172
Dec. 19.....	628	Feb. 5.....	323	June 27.....	100	May 19.....	309
Jan. 18, 1960...	394	Mar. 6.....	290	Aug. 2.....	50	July 1.....	106
Feb. 11.....	316	Apr. 2.....	174	Sept. 8.....	112	July 31.....	50
Mar. 8.....	346	May 1.....	177	Oct. 7.....	91	Sept. 11.....	112
Apr. 7.....	269	June 5.....	24	Nov. 8.....	112	Oct. 15.....	361
May 11.....	313	July 10.....	74	Dec. 6.....	197	Nov. 17.....	326
June 8.....	217	Aug. 6.....	96	Jan. 6, 1967...	221	Jan. 7, 1971...	298
June 14.....	230	Sept. 11.....	16	Jan. 24.....	262	Feb. 16.....	397
July 14.....	131	Oct. 2.....	20	Feb. 23.....	262	Mar. 24.....	358
Aug. 11.....	80	Nov. 5.....	15	Mar. 29.....	320	Apr. 26.....	155
Sept. 1.....	195	Dec. 4.....	340	Apr. 18.....	922	June 8.....	167
Oct. 13.....	74	Jan. 8, 1964...	458	May 24.....	374	July 19.....	42
Nov. 9.....	289	Feb. 4.....	307	June 27.....	142	Aug. 30.....	97
Dec. 13.....	328	Mar. 11.....	455	July 26.....	436	Oct. 12.....	143
Jan. 12, 1961...	437	Apr. 8.....	350	Aug. 28.....	209	Nov. 30.....	118
Feb. 14.....	330	May 7.....	354	Sept. 26.....	83	Dec. 6.....	*143
Feb. 19.....	197	June 3.....	154	Oct. 24.....	30	Dec. 7.....	402
Mar. 22.....	750	July 8.....	298	Nov. 29.....	49	Dec. 8.....	637
Apr. 20.....	400	Aug. 12.....	69	Jan. 5, 1968...	441	Dec. 13.....	728
May 22.....	314	Sept. 2.....	57	Jan. 31.....	315	Dec. 20.....	553
June 20.....	220	Oct. 14.....	305	Mar. 13.....	262	Jan. 4, 1972...	379
June 21.....	242	Nov. 11.....	109	Mar. 27.....	331	Feb. 23.....	235
July 19.....	416	Dec. 4.....	542	Apr. 24.....	316	Mar. 27.....	400
Aug. 15.....	310	Jan. 6, 1965...	378	May 22.....	283	May 24.....	233
Sept. 21.....	396	Feb. 3.....	286	June 25.....	253	June 30.....	57
Nov. 8.....	183	Mar. 10.....	519	July 31.....	77	Aug. 18.....	81
Nov. 16.....	739	Apr. 7.....	311				

* Reverse flow.

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, MAY TO SEPTEMBER 1960

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								--	7.93	6.70	--	8.01
2								--	7.99	6.63	--	7.26
3								--	7.97	6.63	--	7.16
4								--	7.96	6.60	--	6.98
5								--	7.98	6.48	--	6.70
6								--	7.98	6.54	--	6.52
7								--	7.98	6.70	--	6.29
8								--	8.11	6.67	--	6.21
9								--	8.14	6.68	--	6.33
10								--	8.14	6.70	--	6.47
11								--	8.11	6.68	6.04	6.48
12								--	8.06	6.68	6.18	6.36
13								--	7.99	6.76	6.34	6.26
14								--	7.91	6.86	6.44	6.22
15								--	7.80	6.98	6.44	6.16
16								--	7.72	6.98	6.52	6.04
17								--	7.62	6.98	6.62	5.98
18								--	7.50	7.08	6.73	5.80
19								--	7.44	7.19	6.96	5.64
20								--	7.43	7.21	6.94	5.44
21								--	7.32	7.12	6.96	5.22
22								--	7.21	7.04	6.98	5.02
23								--	7.13	7.04	7.36	4.89
24								--	7.08	7.04	8.40	4.75
25								--	7.07	6.84	9.52	4.64
26								--	7.06	6.67	9.40	4.57
27								--	7.04	6.67	9.18	4.88
28								--	6.96	6.70	9.16	5.32
29								8.04	6.80	6.70	9.09	5.40
30								8.04	6.74	8.45	8.74	5.39
31	-----				-----		-----	8.02	-----	8.39	8.39	-----
MAX								--	8.14	8.45	9.52	8.01
MIN								--	6.74	6.48	--	4.57

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1960 TO SEPTEMBER 1961

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.36	9.26	6.66	15.09	10.20	14.78	13.62	10.05	9.62	11.85	12.02	7.82
2	5.23	9.51	6.40	14.21	9.74	13.94	13.28	10.85	9.41	11.29	11.25	7.88
3	5.23	8.72	6.27	13.59	9.74	13.06	13.50	12.04	9.24	11.72	10.60	7.89
4	5.23	7.88	6.10	12.64	9.48	12.38	12.78	11.76	9.14	12.62	10.45	7.91
5	5.44	8.10	5.98	11.77	9.14	11.77	12.26	10.68	9.07	12.85	10.04	7.78
6	5.59	8.46	5.90	11.42	9.46	11.22	12.70	10.26	9.12	13.56	9.68	7.84
7	5.76	8.55	5.77	11.53	11.47	11.04	13.37	9.83	9.14	12.80	11.23	8.04
8	5.72	8.63	5.82	13.97	11.04	11.04	12.74	9.48	9.46	12.33	11.32	8.27
9	5.87	8.56	6.12	14.63	10.48	10.68	13.47	9.52	9.54	13.11	10.74	8.24
10	5.84	8.42	7.04	13.44	10.04	10.46	13.28	9.40	9.48	12.26	10.20	8.22
11	5.82	8.26	10.33	13.02	9.72	10.32	12.80	9.30	9.48	13.10	9.74	9.87
12	5.68	8.04	10.56	12.52	9.75	10.20	12.42	9.32	9.54	14.92	9.50	13.33
13	5.67	7.64	10.12	14.38	9.07	10.12	11.97	9.28	9.78	15.57	9.39	14.04
14	5.88	7.46	10.16	14.42	9.39	10.10	11.52	9.26	10.22	14.77	9.20	16.60
15	5.80	7.32	10.36	13.73	9.58	10.12	10.70	9.96	11.61	13.84	9.03	16.23
16	5.78	7.16	10.34	12.82	9.67	10.04	10.42	10.30	12.14	12.94	9.06	15.50
17	5.48	6.96	9.90	12.19	14.46	11.71	10.20	9.70	12.08	12.58	8.90	14.25
18	5.47	6.92	9.73	11.60	19.51	14.31	10.22	9.42	11.90	11.91	8.74	13.22
19	5.77	6.95	9.22	11.16	20.71	14.58	10.14	9.24	13.07	11.00	8.76	12.28
20	5.76	6.72	8.88	10.80	20.25	15.22	10.05	9.14	19.13	10.22	8.68	11.74
21	5.74	6.68	9.14	10.45	19.66	15.35	9.98	9.03	19.99	9.90	8.56	11.10
22	5.84	6.71	9.50	10.13	19.66	15.06	9.94	8.95	19.60	10.37	8.30	10.52
23	5.90	7.44	9.70	9.77	19.42	14.44	9.92	9.86	18.80	10.12	8.10	10.18
24	5.86	8.08	9.84	9.45	18.70	13.70	9.88	15.34	17.90	10.05	7.96	10.06
25	5.91	8.47	9.74	11.36	18.45	13.20	10.54	14.76	16.90	10.00	8.23	9.80
26	6.32	8.28	9.66	14.41	17.89	12.62	10.46	13.33	16.18	9.89	8.18	9.64
27	6.62	7.92	9.58	14.24	16.72	12.30	10.98	12.28	15.36	9.76	8.12	9.47
28	6.39	7.58	12.14	13.70	15.88	12.38	11.18	11.50	14.32	9.98	8.26	9.44
29	6.44	7.25	12.98	13.09	-----	12.10	10.84	10.79	13.32	10.26	8.33	9.32
30	6.65	6.96	11.50	11.82	-----	13.19	10.43	10.33	12.51	11.54	8.18	9.20
31	8.75	-----	13.62	10.79	-----	14.09	-----	9.94	-----	12.51	7.92	-----
MAX	8.75	9.51	13.62	15.09	20.71	15.35	13.62	15.34	19.99	15.57	12.02	16.60
MIN	5.23	6.68	5.77	9.45	9.07	10.04	9.88	8.95	9.07	9.76	7.92	7.78

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.16	5.22	9.78	10.58	12.44	9.62	13.13	12.32	9.54	9.43	5.09	6.74
2	9.22	5.22	9.76	10.33	11.68	9.55	12.20	11.80	9.62	9.43	4.90	7.31
3	9.23	5.90	9.54	10.20	11.00	9.52	11.67	11.08	9.60	9.46	4.82	7.67
4	8.94	6.42	9.49	10.08	10.62	9.50	10.98	10.54	9.77	9.43	4.68	7.83
5	8.74	7.22	9.56	11.20	10.42	9.48	10.39	10.06	10.22	9.32	4.70	7.99
6	8.56	7.80	9.50	11.84	10.26	9.40	10.51	9.60	10.49	9.20	4.68	7.93
7	8.86	7.51	9.40	11.64	10.12	9.38	11.26	9.58	10.38	9.00	4.54	8.46
8	8.04	7.41	9.32	11.44	10.02	9.34	11.45	9.60	10.10	8.82	4.38	9.01
9	7.78	7.14	9.32	11.04	9.94	9.26	11.21	9.58	9.68	8.58	4.20	9.33
10	7.50	7.00	9.77	10.74	9.87	9.18	10.92	9.56	10.67	8.29	3.91	9.22
11	7.24	6.88	10.32	10.40	9.78	9.06	10.76	9.45	11.30	7.78	3.70	8.92
12	7.04	6.74	11.16	10.08	9.78	8.96	12.22	9.38	10.90	7.42	3.68	8.68
13	6.81	11.74	12.80	10.02	9.72	9.20	12.24	9.30	10.69	7.06	3.70	8.20
14	6.64	16.12	13.03	10.00	9.68	9.40	11.76	9.24	10.72	6.82	3.84	7.04
15	6.46	16.32	14.00	11.72	9.64	9.59	11.41	9.20	10.88	6.58	3.80	6.58
16	6.32	16.62	15.51	13.40	9.63	9.68	11.01	9.09	10.53	6.40	3.93	7.94
17	6.20	16.07	16.81	12.69	9.62	9.69	10.34	9.04	9.95	6.40	--	8.06
18	6.04	15.02	18.71	12.75	9.70	9.65	10.00	8.62	9.72	6.31	--	8.14
19	5.94	13.36	18.71	15.92	9.68	9.54	9.70	8.35	10.89	6.19	--	7.93
20	5.82	12.49	18.28	16.07	9.69	9.47	9.56	8.18	14.05	6.02	--	7.51
21	5.72	11.22	17.65	15.26	9.72	9.44	9.54	8.10	12.99	5.86	--	7.34
22	5.62	10.58	16.64	14.24	9.74	9.38	9.48	8.30	12.38	5.76	--	7.00
23	5.54	10.51	15.70	13.68	9.82	9.32	9.48	8.73	11.92	5.70	--	6.72
24	5.50	10.44	14.60	12.23	9.84	9.34	10.02	8.88	11.02	5.58	--	6.42
25	5.44	10.05	13.66	11.60	9.82	9.38	10.25	8.84	10.16	5.48	--	6.22
26	5.38	9.82	12.96	10.96	9.78	9.40	9.88	8.74	9.79	5.32	--	5.96
27	5.30	9.61	12.38	15.22	9.75	9.35	10.67	8.65	9.60	5.29	3.68	5.78
28	5.26	9.39	11.88	15.70	9.71	9.36	14.76	8.51	9.46	5.22	4.34	5.79
29	5.24	9.58	11.40	15.19	-----	9.35	13.89	8.42	9.42	5.54	4.74	5.46
30	5.22	9.74	11.20	14.20	-----	9.36	12.88	8.38	9.48	5.44	5.18	5.37
31	5.22	-----	10.90	13.31	-----	13.42	-----	9.39	-----	5.20	5.80	-----
MAX	9.22	16.62	18.71	16.07	12.44	13.42	14.76	12.32	14.05	9.46	--	9.33
MIN	5.22	5.22	9.32	10.00	9.62	8.96	9.48	8.10	9.42	5.20	--	5.37

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1963

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.02	5.19	6.36	9.03	8.88	9.14	6.66	6.76	4.92	7.73	6.91	3.76
2	9.20	5.15	6.33	8.83	8.86	8.75	6.86	6.66	4.56	7.95	8.01	3.76
3	8.63	5.07	6.29	8.73	8.70	8.66	7.06	6.58	4.36	7.88	7.86	3.86
4	8.24	5.02	6.24	8.84	8.58	8.61	7.12	6.42	4.16	7.58	7.56	3.84
5	7.52	5.00	6.14	8.32	8.52	8.48	7.18	6.20	3.95	6.84	7.16	3.84
6	7.10	4.94	5.94	7.88	8.44	8.30	7.19	6.03	3.92	6.44	6.74	3.83
7	6.60	4.94	5.97	7.51	8.50	8.42	7.34	6.00	3.76	6.19	6.32	3.81
8	6.26	4.89	5.97	8.08	8.55	8.54	7.48	5.90	3.76	5.93	6.02	3.84
9	6.10	4.85	5.92	8.23	8.53	8.63	7.58	5.82	3.74	5.62	6.27	3.84
10	6.46	4.84	5.88	8.00	8.48	8.58	7.66	5.80	3.69	5.46	5.62	3.87
11	6.10	4.80	5.80	9.34	8.42	8.55	7.66	5.71	3.59	5.38	5.31	3.92
12	5.77	4.71	5.66	11.02	8.38	8.54	7.68	5.66	3.46	5.94	5.12	4.08
13	5.54	4.65	5.58	11.05	8.34	8.57	7.71	5.61	3.29	6.15	4.78	4.22
14	5.33	4.63	5.48	10.88	8.32	8.60	7.73	5.64	--	6.26	5.04	4.24
15	5.23	4.64	5.38	10.16	8.30	8.56	7.81	5.59	--	6.29	5.72	4.34
16	5.60	4.58	5.32	9.42	8.15	8.50	7.90	5.50	--	6.26	5.65	4.40
17	5.10	4.52	5.30	9.24	7.89	8.39	7.94	5.44	3.04	6.16	5.59	6.02
18	5.39	4.48	5.23	13.73	8.76	8.28	8.04	5.34	4.26	5.88	5.57	11.35
19	5.34	4.49	5.18	15.03	13.09	8.20	8.03	5.37	5.14	5.60	5.43	10.10
20	5.14	4.60	5.14	16.25	12.04	8.04	8.04	5.66	7.27	5.63	5.10	8.94
21	5.46	4.86	5.26	15.76	11.03	7.80	8.04	6.08	8.60	5.60	4.70	7.97
22	5.60	5.12	5.68	15.07	10.78	7.55	8.00	6.80	8.46	5.42	4.38	7.04
23	5.88	5.30	6.34	13.83	9.52	7.39	8.00	9.72	8.65	5.28	4.14	6.26
24	5.92	5.90	7.00	13.32	10.64	7.20	7.87	8.01	9.84	5.65	4.04	5.80
25	5.70	6.62	8.04	11.39	11.22	6.92	7.68	7.26	11.03	5.89	4.02	5.31
26	5.56	6.70	8.88	10.18	10.56	6.74	7.70	6.16	9.66	6.72	3.95	4.72
27	5.52	6.70	9.32	9.41	10.04	6.60	7.56	5.25	8.91	7.47	3.76	4.60
28	5.48	6.63	10.51	8.99	9.56	6.32	7.34	5.14	7.25	7.63	3.62	4.58
29	5.39	6.54	13.04	8.76	-----	5.94	7.14	5.08	6.79	7.59	4.10	4.36
30	5.30	6.35	11.42	8.74	-----	5.75	6.94	5.09	7.14	7.40	4.42	4.20
31	5.26	-----	10.02	8.78	-----	6.18	-----	4.99	-----	7.20	3.78	-----
MAX	9.20	6.70	13.04	16.25	13.09	9.14	8.04	9.72	--	7.95	8.01	11.35
MIN	5.10	4.48	5.14	7.51	7.89	5.75	6.66	4.99	--	5.28	3.62	3.76

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.17	4.20	9.62	8.57	8.98	11.29	8.94	9.84	6.81	7.54	7.89	5.36
2	4.15	4.18	9.39	8.29	8.72	18.19	8.94	10.09	6.87	8.70	7.60	4.93
3	4.11	4.20	9.23	8.02	8.54	17.86	8.90	10.56	6.76	11.17	7.19	4.76
4	4.11	4.21	9.03	7.85	8.47	17.30	8.88	10.23	6.36	12.66	6.77	4.69
5	4.10	4.63	8.63	8.13	8.90	16.44	8.82	9.90	6.22	12.30	6.27	4.64
6	4.05	5.45	8.02	12.15	9.04	15.54	8.80	9.68	6.03	11.50	6.28	4.58
7	3.97	5.05	7.72	13.35	8.97	14.40	8.88	9.33	5.99	10.75	6.57	4.52
8	3.97	5.25	7.69	12.15	9.04	13.78	8.97	8.93	5.72	10.16	6.78	4.45
9	3.95	5.86	7.51	12.81	9.05	12.33	8.85	8.56	5.54	9.42	6.92	4.39
10	3.95	6.30	7.21	12.29	8.90	11.53	8.80	8.30	5.43	8.30	6.49	4.46
11	3.95	6.31	6.91	10.93	8.75	10.86	8.80	8.56	5.33	7.08	5.92	4.41
12	3.91	6.32	7.09	10.57	8.48	10.22	8.87	8.76	5.26	7.71	5.54	4.32
13	3.97	6.26	9.46	9.95	8.24	9.82	9.08	8.80	5.18	10.26	5.33	4.20
14	4.07	6.13	12.00	9.39	8.12	9.78	9.26	8.74	5.05	9.84	5.17	4.14
15	4.09	5.91	11.77	9.03	8.02	10.72	9.46	8.64	4.92	8.56	5.04	4.08
16	4.08	5.70	11.35	10.73	7.94	11.29	9.32	8.54	4.84	7.60	4.98	4.00
17	4.09	5.59	10.99	14.50	7.99	10.78	9.07	8.44	4.77	5.77	5.05	4.61
18	4.13	5.47	10.05	13.48	8.55	10.35	8.92	8.38	4.63	4.75	5.21	6.58
19	4.11	5.35	9.64	12.87	8.74	10.80	9.00	8.32	4.54	4.48	5.74	5.99
20	4.11	5.37	9.47	11.89	9.84	13.26	8.98	8.27	4.42	4.33	6.50	5.74
21	4.06	5.47	9.54	10.84	9.92	11.90	10.30	8.26	4.32	4.11	7.46	5.59
22	4.11	5.45	9.63	10.17	9.44	11.97	10.30	8.18	4.20	3.90	8.87	5.75
23	4.09	5.42	9.91	9.69	9.10	10.47	10.14	8.08	4.06	3.68	9.26	5.54
24	4.09	5.37	10.01	9.75	9.86	9.89	10.00	7.98	3.96	3.74	8.00	5.36
25	4.07	5.40	9.83	10.05	13.86	9.50	9.86	7.78	3.87	4.15	7.54	5.25
26	4.05	5.51	9.65	9.83	12.73	9.23	9.82	7.51	3.76	4.50	7.27	5.00
27	4.09	5.99	9.35	9.63	10.86	8.96	10.48	7.39	3.68	4.88	7.00	4.87
28	4.12	6.22	9.18	9.43	10.41	9.08	10.25	7.25	3.59	5.47	6.78	4.84
29	4.19	6.21	9.03	9.27	9.94	9.14	10.02	7.14	4.06	6.95	6.60	5.04
30	4.21	7.39	8.89	9.13	-----	8.96	9.92	7.01	5.06	7.69	6.36	5.62
31	4.20	-----	8.73	9.06	-----	8.94	-----	6.90	-----	7.97	5.88	-----
MAX	4.21	7.39	12.00	14.50	13.86	18.19	10.48	10.56	6.87	12.66	9.26	6.58
MIN	3.97	4.18	6.91	7.85	7.94	8.94	8.80	6.90	3.59	3.68	4.98	4.00

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1964 TO SEPTEMBER 1965

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.20	8.64	10.45	9.28	8.94	17.60	9.03	8.62	7.84	5.23	4.62	6.44
2	8.14	8.36	10.00	9.24	8.78	19.51	9.06	8.62	7.68	5.20	4.76	6.34
3	11.03	8.08	9.76	9.17	8.55	18.96	9.05	8.66	7.40	5.20	4.80	5.80
4	18.98	7.80	10.99	9.08	8.28	18.09	9.06	8.66	7.24	5.16	4.94	5.58
5	19.10	7.60	10.16	8.98	7.94	17.12	9.07	8.64	7.00	5.11	4.97	5.63
6	18.54	7.13	9.77	9.31	7.70	16.22	8.93	8.64	6.82	5.06	5.66	5.90
7	17.50	6.95	9.10	9.34	7.52	15.59	8.84	8.62	7.98	5.04	5.86	5.64
8	16.36	6.69	9.14	9.27	7.35	13.46	8.82	8.60	11.46	4.98	5.79	5.27
9	15.32	6.42	9.64	9.28	7.28	12.73	8.80	8.54	9.25	5.05	5.71	5.26
10	14.28	6.24	10.40	9.27	7.22	12.23	8.80	8.48	6.87	5.00	5.61	11.46
11	13.12	6.08	16.78	9.18	9.94	11.73	8.80	8.46	6.65	4.88	5.54	15.69
12	12.43	7.20	17.34	9.10	14.35	11.06	8.80	8.37	6.49	4.76	5.17	13.38
13	11.87	7.61	16.00	9.05	13.38	10.46	8.76	8.38	6.50	4.70	5.02	11.96
14	11.24	7.04	15.49	8.98	12.54	10.14	8.76	8.38	6.44	4.64	4.94	11.03
15	10.60	6.51	14.68	8.88	11.65	9.87	8.73	8.32	6.38	4.56	4.90	10.26
16	9.97	6.10	13.72	8.72	11.62	9.65	8.68	8.34	6.30	4.50	4.86	9.56
17	9.03	6.28	13.02	8.57	14.05	9.54	8.66	8.30	6.34	4.46	4.82	8.94
18	8.12	5.71	14.55	8.42	12.88	9.44	8.70	8.26	6.33	4.42	4.87	8.61
19	7.28	7.64	14.97	8.14	12.06	9.38	8.78	8.20	6.27	4.38	4.94	8.03
20	6.87	10.20	14.03	7.97	11.46	9.22	8.80	8.20	6.22	4.38	5.15	7.54
21	6.52	9.90	13.47	7.86	10.74	9.08	8.78	8.22	6.02	4.34	6.04	7.51
22	6.33	9.58	11.98	7.83	9.92	9.06	8.76	8.31	5.72	4.29	6.36	7.30
23	6.14	9.27	11.34	12.68	9.49	9.08	8.76	8.96	5.55	4.24	6.52	7.23
24	5.94	9.22	10.94	12.64	9.74	9.05	8.76	8.77	5.64	4.20	6.64	7.82
25	5.84	9.04	10.22	11.18	10.80	9.02	8.74	8.42	5.62	4.15	6.62	8.58
26	5.78	8.86	9.54	10.51	10.42	8.98	8.72	8.33	5.44	4.07	6.31	8.94
27	5.69	8.98	9.13	10.12	9.94	9.62	8.68	8.26	5.34	3.99	6.24	8.88
28	6.73	11.86	8.76	9.63	11.49	9.34	8.64	8.20	5.30	3.94	6.27	8.37
29	9.63	11.28	8.58	9.31	-----	9.17	8.62	8.14	5.25	3.90	6.28	8.02
30	9.64	10.85	8.95	9.23	-----	9.02	8.62	8.10	5.24	3.95	6.60	7.90
31	8.98	-----	9.36	9.12	-----	9.01	-----	8.04	-----	4.22	6.58	-----
MAX	19.10	11.86	16.78	12.68	14.35	19.51	9.07	8.96	11.46	5.23	6.64	15.69
MIN	5.69	5.71	8.98	7.83	7.22	8.98	8.62	8.04	5.24	3.90	4.62	5.26

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.64	4.74	4.94	8.97	10.74	15.65	6.36	11.00	8.58	5.90	4.80	6.74
2	7.29	4.71	4.87	9.14	10.16	13.15	6.24	10.80	8.46	5.86	4.71	6.48
3	7.01	4.53	4.76	9.75	9.73	9.94	6.42	10.56	8.20	6.54	7.37	6.32
4	7.00	4.56	4.66	10.68	9.38	9.80	8.04	10.47	7.98	6.34	13.12	6.24
5	6.80	4.72	4.65	11.28	9.13	10.83	7.46	10.03	7.76	7.47	12.68	6.86
6	6.64	5.04	4.71	10.79	8.99	10.81	6.69	10.00	7.29	6.78	11.46	6.75
7	6.44	5.71	4.70	10.50	8.82	10.34	6.22	10.68	6.86	6.47	10.42	6.02
8	6.27	5.49	4.64	10.28	8.06	9.96	5.96	11.00	6.45	6.50	9.14	6.69
9	6.12	5.80	4.58	9.95	9.11	9.70	5.78	10.77	6.06	6.17	8.85	5.94
10	5.92	6.08	4.56	9.45	12.43	9.26	5.64	10.42	5.72	5.73	8.75	5.79
11	5.80	6.22	4.53	8.94	15.85	9.02	5.53	10.13	5.52	5.35	8.74	5.73
12	5.64	6.28	4.50	8.76	17.72	8.76	5.36	9.78	5.30	5.20	8.62	5.68
13	5.56	6.34	4.58	9.23	19.87	8.60	5.31	9.38	7.81	5.04	8.60	5.74
14	5.46	6.41	4.88	10.84	19.05	8.57	5.82	9.10	10.36	4.87	8.60	5.76
15	5.39	6.66	5.34	14.78	19.07	8.74	6.94	9.00	8.91	4.70	8.52	5.68
16	5.30	7.45	5.80	13.62	20.45	8.84	6.92	8.98	8.94	4.61	8.45	5.58
17	5.21	7.46	6.64	11.96	20.26	8.80	6.68	8.94	9.74	5.58	8.36	5.62
18	5.14	7.30	9.13	10.38	19.41	8.72	11.29	8.84	9.01	7.53	8.20	7.00
19	5.04	7.10	15.14	10.58	18.41	8.63	13.36	8.79	8.41	6.28	8.14	6.30
20	4.98	6.88	15.30	13.88	17.28	8.59	13.10	9.01	8.16	4.98	8.46	6.00
21	4.99	6.62	14.22	13.08	16.02	8.53	16.52	15.50	7.90	4.66	8.69	5.82
22	4.98	6.34	12.77	12.64	14.39	8.38	18.32	15.40	7.68	4.56	8.57	5.66
23	5.02	6.02	11.56	12.13	13.14	8.22	18.17	13.64	7.30	4.52	8.55	5.52
24	4.98	5.93	10.56	12.14	12.56	8.03	17.34	11.35	7.00	4.56	8.75	5.40
25	4.96	5.86	9.84	16.09	12.22	7.78	15.55	10.54	--	4.64	8.72	5.30
26	4.89	5.75	9.14	16.67	12.65	7.59	14.29	9.97	6.14	4.57	8.64	5.14
27	4.83	5.60	8.69	15.50	16.33	7.39	12.82	9.44	5.82	5.95	8.58	5.56
28	4.82	5.35	8.98	14.42	16.86	6.88	12.06	8.94	5.90	6.28	8.36	5.56
29	4.76	5.20	9.04	13.52	-----	6.68	11.68	8.67	6.03	5.27	7.82	5.04
30	4.82	5.08	8.93	12.41	-----	6.66	11.34	8.57	6.18	4.86	7.36	4.85
31	4.82	-----	8.84	11.55	-----	6.62	-----	8.54	-----	4.90	6.71	-----
MAX	7.64	7.46	15.30	16.67	20.45	15.65	18.32	15.50	10.36	7.47	12.68	7.00
MIN	4.76	4.53	4.50	8.76	8.66	6.62	5.31	8.54	5.30	4.52	4.71	4.85

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.88	7.08	7.30	7.38	7.48	8.56	8.63	8.68	11.65	6.07	8.54	11.10
2	4.94	6.76	7.30	7.53	9.96	8.72	8.44	10.57	16.86	6.01	8.30	10.58
3	5.04	6.60	7.32	7.28	10.82	8.76	8.27	12.25	16.82	5.92	8.00	10.10
4	5.16	6.49	7.28	7.20	9.26	8.84	8.06	14.18	15.23	5.86	7.58	9.69
5	5.23	6.41	7.28	7.14	9.14	8.86	7.78	15.72	13.09	5.86	7.18	9.28
6	5.38	6.32	7.15	7.29	10.06	8.84	7.54	14.94	11.62	6.31	6.82	13.30
7	5.46	6.10	7.13	7.26	11.22	8.70	7.26	13.04	9.67	7.41	6.69	14.62
8	5.54	5.91	7.12	7.00	11.40	8.58	6.96	11.70	9.38	8.39	6.50	13.02
9	5.56	5.76	7.05	6.82	10.02	8.44	6.67	11.02	9.08	8.70	6.24	11.22
10	5.56	5.64	7.00	6.83	8.84	8.30	6.50	10.62	8.67	8.74	5.99	9.64
11	5.52	6.24	7.04	7.01	9.07	8.12	6.34	10.33	8.97	8.88	5.82	9.14
12	5.60	10.52	7.03	7.04	10.74	7.92	6.25	10.14	8.68	8.79	5.72	8.68
13	6.94	10.22	7.04	9.46	9.92	7.68	6.34	9.86	8.56	9.54	5.56	8.30
14	8.62	9.80	7.38	15.19	8.96	7.46	17.31	9.58	8.44	11.26	5.43	8.20
15	8.93	9.08	7.24	13.81	8.65	7.26	20.50	9.60	8.32	9.82	5.36	9.08
16	9.00	8.68	7.11	11.06	8.34	7.00	20.85	9.77	8.18	9.16	5.24	8.26
17	8.52	8.26	7.34	9.31	8.40	6.80	20.38	9.70	7.97	8.62	5.19	7.80
18	8.53	8.10	7.17	8.51	8.69	6.60	19.60	9.40	7.80	8.34	5.16	7.48
19	9.06	7.86	6.98	8.00	8.64	6.36	18.63	9.14	7.66	8.36	5.13	7.14
20	9.42	7.54	7.02	8.06	8.70	6.20	17.53	8.92	7.50	9.47	5.18	6.84
21	9.20	7.42	7.14	8.11	8.92	6.18	16.30	11.94	7.43	10.98	4.98	6.56
22	8.91	7.31	7.20	8.12	8.82	6.06	14.11	14.49	7.24	11.06	4.87	6.29
23	8.84	7.26	7.02	8.12	8.32	6.01	12.21	13.09	7.07	10.92	4.76	6.09
24	8.72	7.50	6.66	8.01	8.14	5.95	11.49	10.94	6.91	10.40	4.91	5.88
25	8.58	7.42	6.62	7.90	7.94	6.07	10.92	9.88	6.76	11.14	4.82	5.60
26	8.44	7.37	6.72	7.82	7.78	7.59	10.49	9.42	6.62	9.95	10.31	5.44
27	8.27	7.32	6.87	7.96	7.64	10.74	10.10	9.22	6.50	9.38	15.89	5.50
28	8.10	7.13	6.90	8.08	8.08	10.40	9.62	8.97	6.36	8.94	16.86	5.86
29	7.86	7.26	7.06	8.22	-----	9.34	9.20	8.82	6.28	8.79	15.96	5.58
30	7.60	7.30	6.90	8.36	-----	8.98	8.92	8.72	6.20	8.75	14.16	5.40
31	7.35	-----	6.86	7.92	-----	8.78	-----	8.92	-----	8.69	12.12	-----
MAX	9.42	10.52	7.38	15.19	11.40	10.74	20.85	15.72	16.86	11.26	16.86	14.62
MIN	4.88	5.64	6.62	6.82	7.48	5.95	6.25	8.68	6.20	5.86	4.76	5.40

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.30	13.25	4.72	14.52	8.63	9.48	8.93	8.84	7.72	7.36	5.32	7.38
2	5.20	10.46	4.78	15.54	8.72	9.22	9.60	8.67	7.44	7.20	5.22	6.12
3	5.05	8.90	4.86	14.36	8.62	10.16	9.10	8.56	7.52	7.12	5.18	6.02
4	4.97	8.08	5.05	13.30	8.51	10.15	8.83	8.50	7.58	7.02	5.15	6.84
5	4.89	7.32	5.48	11.74	8.40	9.31	8.72	8.42	7.66	6.84	5.08	7.46
6	4.79	6.96	5.70	10.96	8.28	9.32	8.68	8.41	7.64	6.70	4.98	7.16
7	4.66	6.87	5.76	10.19	8.14	9.89	8.65	8.36	7.68	--	4.88	7.00
8	4.62	6.84	5.78	9.71	8.06	9.56	8.62	8.36	7.78	--	4.84	6.94
9	4.58	6.77	7.18	10.67	8.04	9.04	8.65	8.76	7.88	--	4.88	6.86
10	4.48	6.70	10.97	14.94	8.04	8.50	9.86	8.70	7.98	--	4.92	8.47
11	4.55	6.64	9.98	14.44	8.01	8.16	9.67	9.52	8.42	--	5.10	7.92
12	4.58	6.43	9.06	12.92	7.97	8.04	9.39	9.95	7.88	--	5.36	7.14
13	4.62	6.23	8.37	11.62	7.94	8.20	9.11	8.93	7.82	--	5.67	6.86
14	4.65	6.10	8.17	11.03	7.93	8.20	8.98	8.60	7.84	--	6.10	6.97
15	4.60	5.91	8.81	10.66	7.92	8.15	8.92	8.48	7.88	--	6.56	7.09
16	4.64	5.78	9.34	10.40	7.94	7.92	8.88	8.41	7.94	--	6.98	7.10
17	4.60	5.68	9.58	10.22	7.96	7.63	8.92	8.38	8.26	--	7.40	6.80
18	4.54	5.58	10.03	10.13	8.29	7.40	8.90	8.31	10.22	--	7.40	6.56
19	4.56	5.47	10.92	10.10	8.30	7.19	8.88	8.27	10.13	--	7.84	6.42
20	4.46	5.39	11.17	9.80	8.15	7.07	8.86	8.28	9.70	--	8.10	6.36
21	4.36	5.31	11.30	9.58	8.08	7.32	8.83	8.26	8.56	5.09	7.68	6.28
22	4.32	5.24	13.60	9.37	8.04	12.16	8.77	8.18	8.52	5.04	7.64	6.22
23	4.25	5.16	13.17	9.28	8.22	12.96	8.78	8.10	8.46	6.12	7.59	6.18
24	4.20	5.07	11.46	9.20	8.34	11.18	8.84	8.04	8.88	7.00	7.60	6.10
25	4.16	4.98	10.84	9.26	8.18	9.73	8.70	8.22	8.38	6.70	7.62	6.04
26	4.18	4.89	10.22	9.12	8.00	9.13	8.68	8.59	8.10	6.02	7.62	5.90
27	4.20	4.80	11.67	9.08	7.84	8.87	8.57	8.47	8.00	5.77	7.52	5.80
28	4.20	4.70	16.47	8.98	8.28	8.76	8.54	8.38	7.89	5.53	7.40	5.66
29	4.20	4.72	15.64	8.89	10.35	8.66	10.07	8.36	7.72	5.34	7.20	5.60
30	9.96	4.76	14.57	8.74	-----	8.58	9.30	8.20	7.54	5.30	6.91	5.54
31	14.80	-----	14.22	8.72	-----	8.54	-----	7.96	-----	5.36	6.64	-----
MAX	14.80	13.25	16.47	15.54	10.35	12.96	10.07	9.95	10.22	7.36	8.10	8.47
MIN	4.16	4.70	4.72	8.72	7.84	7.07	8.54	7.96	7.44	5.04	4.84	5.54

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.46	4.49	15.93	9.23	8.57	--	7.91	9.29	8.34	4.59	--	--
2	5.38	4.44	16.06	7.92	9.76	9.84	7.88	9.04	8.20	4.49	--	4.84
3	5.31	4.38	14.67	8.01	10.46	9.67	7.85	9.00	8.11	4.39	--	--
4	5.29	4.34	12.70	8.06	9.60	9.60	7.81	8.96	8.03	4.29	--	--
5	5.22	4.34	10.62	--	8.38	9.22	9.95	9.22	8.03	4.23	--	--
6	5.16	4.36	9.55	--	7.46	13.96	13.17	15.82	7.95	--	--	--
7	5.10	4.40	8.86	--	7.80	14.59	10.82	17.55	7.83	--	--	--
8	5.06	4.34	8.72	--	7.32	12.53	8.96	19.34	--	--	--	--
9	5.04	4.51	8.68	--	6.86	10.80	8.58	17.20	--	--	--	--
10	5.91	4.59	7.44	--	6.88	10.14	8.38	15.80	7.37	--	--	--
11	6.01	4.67	7.14	--	6.89	9.58	8.34	13.85	--	--	--	--
12	6.13	4.72	7.22	7.34	6.98	9.10	8.57	12.13	--	--	--	--
13	6.25	4.68	10.04	7.34	7.03	8.89	18.41	10.89	--	--	--	--
14	6.30	4.70	9.79	7.30	10.59	8.73	20.07	10.52	--	--	--	4.93
15	6.10	4.72	--	7.24	16.33	8.90	19.52	10.07	--	--	--	4.88
16	5.92	5.28	--	7.21	15.14	11.42	19.02	9.63	--	--	--	4.84
17	5.73	5.96	--	13.43	12.22	13.06	19.12	9.73	--	--	--	4.80
18	5.56	5.87	7.58	12.20	10.10	16.66	18.22	10.01	--	--	--	4.76
19	5.42	5.79	--	9.74	8.94	15.69	16.81	9.99	--	--	--	4.80
20	5.31	5.71	--	8.03	8.30	13.30	16.41	9.78	--	--	--	4.76
21	5.23	5.66	--	7.47	9.24	11.02	13.92	9.53	--	--	--	4.72
22	5.14	5.63	8.70	11.13	16.71	10.39	12.34	8.87	--	--	--	4.69
23	5.06	5.57	8.56	10.19	--	10.40	11.42	8.78	--	--	--	4.72
24	4.98	5.50	8.45	8.44	--	10.42	10.80	8.81	--	--	--	4.78
25	4.91	5.42	8.33	7.96	--	9.63	10.18	--	--	--	--	4.77
26	4.82	5.36	8.21	7.79	--	9.00	9.56	--	--	--	--	4.79
27	4.76	5.36	8.09	7.62	--	8.64	9.08	--	--	--	--	4.93
28	4.70	5.42	7.97	7.44	--	8.44	11.99	--	--	--	--	--
29	4.65	5.51	7.84	7.26	--	8.30	10.82	--	4.82	--	--	--
30	4.61	9.21	8.81	7.14	-----	8.16	9.76	--	4.70	--	--	--
31	4.54	-----	11.77	7.41	-----	8.00	-----	--	-----	--	--	-----
MAX	6.30	9.21	--	--	--	16.66	20.07	--	--	--	--	--
MIN	4.54	4.34	--	--	--	8.00	7.81	--	--	--	--	--

C7386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	--	--	6.83	7.75	6.61	11.47	5.67	4.51	5.54
2	--	--	--	--	--	6.83	7.53	7.15	13.00	5.66	4.28	6.15
3	--	--	--	--	--	6.83	7.02	8.43	11.97	5.59	4.31	6.07
4	--	--	--	--	--	7.57	6.89	8.36	10.37	5.35	4.33	5.97
5	--	--	--	--	--	8.13	6.67	8.32	9.36	5.13	4.27	5.85
6	--	--	--	--	--	7.90	6.53	8.11	8.13	4.89	4.14	5.84
7	--	--	--	--	--	8.76	6.23	7.89	8.03	4.76	4.23	6.13
8	--	--	--	--	--	9.90	6.03	7.71	7.98	4.59	4.39	6.19
9	--	--	--	--	--	9.07	6.59	7.81	7.85	4.61	4.61	5.91
10	--	--	--	--	--	8.60	7.15	7.88	7.51	4.55	4.69	--
11	--	--	--	--	--	8.63	8.03	8.04	7.41	4.41	4.63	5.61
12	--	--	--	--	--	8.79	8.35	8.37	7.31	4.36	4.41	--
13	--	--	--	--	--	8.45	8.15	8.41	7.19	4.33	4.31	--
14	6.70	--	--	--	--	8.18	8.23	8.38	6.91	4.45	4.28	7.26
15	--	--	--	7.68	6.83	7.97	8.15	9.42	6.85	4.63	4.09	6.97
16	--	--	--	--	6.87	7.67	8.16	9.62	6.77	5.21	--	7.04
17	--	--	--	--	6.85	8.23	8.26	9.55	6.69	5.89	--	7.12
18	--	--	--	--	6.89	8.76	8.37	9.21	6.63	5.81	--	6.94
19	--	--	--	--	6.93	8.77	8.77	8.61	6.51	5.32	--	6.97
20	--	4.22	--	--	6.91	8.82	8.79	8.63	6.40	4.81	--	--
21	--	--	--	--	6.88	9.14	8.18	9.08	--	4.79	--	--
22	--	--	--	--	6.69	8.95	7.87	9.33	--	4.82	--	--
23	--	--	--	--	6.49	8.19	7.82	8.71	--	4.78	4.97	--
24	--	--	--	--	6.40	8.57	7.74	8.47	--	4.75	4.99	--
25	--	--	--	--	6.65	8.29	7.65	8.51	--	4.61	4.83	--
26	--	--	--	--	6.53	8.13	7.41	8.39	--	4.93	4.68	--
27	--	--	--	--	6.67	7.81	7.11	8.32	--	4.88	4.55	9.23
28	--	--	--	--	6.77	7.83	6.73	8.23	6.07	4.83	4.64	8.47
29	--	--	--	--	-----	7.97	6.59	8.20	5.93	4.69	4.87	8.05
30	--	--	--	--	-----	7.98	6.60	8.23	5.88	4.71	5.81	7.47
31	--	-----	--	--	-----	7.85	-----	8.27	-----	4.65	6.20	-----
MAX	--	--	--	--	--	9.90	8.79	9.62	--	5.89	--	--
MIN	--	--	--	--	--	6.83	6.03	6.61	--	4.33	--	--

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.95	--	--	--	7.66	9.07	9.97	5.35	8.11	5.72	10.23	5.39
2	6.48	--	--	--	7.59	9.03	9.63	5.17	8.03	7.59	10.81	6.06
3	6.26	--	--	8.51	7.61	8.93	9.23	5.07	7.96	8.75	11.60	6.32
4	6.17	--	--	8.27	7.60	8.84	9.11	5.03	7.67	7.82	11.80	6.51
5	6.44	--	--	8.31	7.55	8.77	9.18	4.96	7.49	7.95	11.75	6.51
6	6.75	--	6.46	8.53	7.48	8.71	9.07	6.58	7.25	6.81	11.09	6.75
7	6.29	--	6.17	8.32	8.09	8.66	8.41	8.98	6.95	6.25	11.23	6.89
8	5.82	8.32	6.07	8.58	8.90	8.66	8.25	8.60	6.72	6.09	12.82	6.86
9	5.94	8.20	6.05	8.77	9.07	8.61	8.19	8.33	6.61	5.81	13.54	7.09
10	5.92	8.14	6.11	8.41	--	9.23	8.17	8.33	6.49	5.71	12.85	6.65
11	6.05	7.89	6.11	8.45	--	11.27	8.01	10.23	6.35	5.71	10.65	6.53
12	11.79	7.81	6.13	8.35	12.72	9.37	7.81	13.90	5.39	5.50	9.39	6.41
13	15.76	8.21	6.13	8.89	14.52	8.53	7.57	13.91	5.24	5.20	9.04	6.14
14	16.46	9.71	6.14	9.09	13.07	8.53	7.23	12.56	5.03	4.95	8.81	5.87
15	15.33	10.86	6.45	9.13	11.23	8.52	6.90	11.34	5.04	4.82	8.51	5.45
16	12.29	10.19	6.86	8.95	9.43	8.74	6.83	10.98	4.90	4.84	8.26	13.36
17	11.45	8.92	7.39	8.61	--	9.16	6.33	9.16	4.93	4.71	8.04	18.83
18	11.29	8.14	7.57	8.39	--	11.37	6.29	8.65	4.77	4.38	7.79	19.28
19	9.95	7.97	7.45	7.95	8.79	14.49	6.21	8.56	4.69	4.29	7.46	18.92
20	8.84	7.75	7.19	8.07	8.51	12.67	6.26	8.37	4.71	4.25	7.15	18.53
21	8.93	7.49	6.93	8.17	8.06	10.36	6.31	8.20	4.67	5.50	6.87	17.97
22	9.25	7.34	7.05	8.35	7.83	--	6.21	8.07	4.63	7.60	6.64	17.21
23	9.19	7.31	13.33	8.53	8.23	--	6.15	8.00	4.68	8.71	6.48	15.81
24	8.86	7.27	15.10	8.66	9.37	8.66	6.09	7.69	4.73	8.32	6.33	13.26
25	8.73	7.25	13.95	8.64	12.17	--	6.13	7.95	4.90	8.33	6.05	10.66
26	8.73	7.31	11.95	8.49	12.21	8.53	6.29	8.04	5.23	8.39	5.87	9.45
27	10.37	7.29	--	8.19	9.94	8.51	6.05	8.47	5.37	8.39	5.65	9.32
28	14.46	7.13	--	8.12	9.16	9.02	5.29	8.40	5.15	8.23	5.47	9.04
29	15.49	--	--	8.00	-----	12.13	5.43	8.25	5.13	8.52	5.53	8.87
30	13.93	--	--	7.91	-----	10.46	5.43	8.18	5.10	9.49	5.46	8.83
31	11.47	-----	--	7.73	-----	10.22	-----	8.13	-----	11.10	5.31	-----
MAX	16.46	--	--	--	--	--	9.97	13.91	6.72	11.10	13.54	19.28
MIN	5.82	--	--	--	--	--	6.05	4.96	4.63	4.25	5.31	5.39

07386202 Bayou Fusilier at State Highway 93, near Arnaudville, La.--Continued

MEAN ELEVATION, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.74	5.96	6.44	12.81	16.88	7.74	9.34	8.53	6.81	4.55	7.24	4.53
2	8.35	5.93	10.56	13.26	15.78	12.67	8.97	9.84	6.70	4.41	6.96	4.42
3	8.29	5.99	16.00	12.65	13.95	14.23	8.62	14.29	6.56	4.26	7.14	4.35
4	8.57	6.03	15.72	12.97	11.91	12.00	9.17	13.55	6.40	4.20	6.80	4.29
5	8.93	5.94	15.88	13.38	10.59	10.52	9.12	11.51	6.22	4.26	6.56	4.23
6	9.14	5.93	21.18	11.65	10.25	9.65	8.37	9.94	5.98	4.22	6.29	4.18
7	8.93	5.53	21.96	10.61	12.27	9.28	8.05	9.10	5.82	4.22	6.03	4.20
8	8.75	5.19	21.80	10.05	11.20	12.27	7.80	8.62	5.70	4.20	5.73	4.12
9	8.67	4.95	21.41	9.68	10.28	13.87	7.54	8.72	5.58	4.22	5.49	4.09
10	8.43	4.94	20.84	10.04	9.67	11.58	7.31	8.81	5.44	4.27	5.30	4.18
11	7.35	4.77	20.13	13.99	9.21	10.00	7.08	8.85	5.28	4.27	5.12	4.08
12	6.30	4.68	19.41	12.76	13.45	9.34	6.76	11.30	5.40	4.34	5.17	4.06
13	6.07	4.58	18.69	11.34	14.84	8.89	6.54	15.77	6.68	4.35	5.55	4.00
14	5.92	4.53	17.95	10.56	12.68	8.78	6.40	14.62	6.10	4.48	5.53	3.89
15	5.82	4.51	17.18	9.98	10.44	9.17	6.33	12.25	7.35	5.13	5.84	3.82
16	8.80	4.46	16.33	9.50	11.22	16.87	6.29	10.43	12.47	5.52	5.47	3.93
17	14.02	4.47	16.05	9.17	10.98	17.51	6.10	9.73	11.78	5.18	5.28	4.91
18	16.34	4.55	15.92	8.99	10.21	16.48	5.96	9.30	9.90	5.35	5.16	5.49
19	16.03	4.83	15.08	8.86	9.31	14.92	5.79	8.95	8.51	6.16	5.09	5.23
20	13.67	4.82	16.11	14.37	8.62	12.44	5.72	8.60	7.87	5.37	4.93	5.20
21	11.76	4.94	16.34	17.31	8.28	14.41	5.63	8.24	7.37	4.94	4.78	5.21
22	11.33	5.08	15.52	16.84	8.05	14.43	5.49	7.94	6.91	5.05	4.65	5.12
23	10.31	5.21	14.37	15.56	8.12	12.35	5.41	7.62	6.51	5.03	4.55	5.08
24	9.22	5.21	13.35	13.60	8.27	10.63	5.63	7.52	6.18	4.89	4.47	5.07
25	7.47	5.13	12.67	11.68	8.29	15.17	5.72	7.47	5.88	4.77	4.50	5.14
26	7.21	5.09	12.19	10.50	8.02	15.74	5.71	7.39	5.61	4.82	4.55	5.21
27	6.93	5.06	11.81	9.86	7.84	14.06	5.72	7.30	5.36	4.87	4.66	5.79
28	6.61	5.16	11.49	9.62	7.78	11.76	7.96	7.22	5.12	5.00	4.75	8.00
29	6.50	7.42	11.20	9.83	7.71	10.73	12.50	7.12	4.90	5.36	4.73	6.38
30	6.13	6.54	11.19	15.87	-----	10.18	10.62	7.04	4.66	8.07	4.72	6.25
31	5.93	-----	13.76	17.35	-----	-----	-----	6.94	-----	9.19	4.64	-----
MAX	16.34	7.42	21.96	17.35	16.88	17.51	12.50	15.77	12.47	9.19	7.14	8.00
MIN	5.82	4.46	6.44	8.86	7.71	7.74	5.41	6.94	4.66	4.20	4.47	3.82

07386700 Ruth Canal near Ruth, La.

LOCATION.--Lat 30°14'35", long 91°53'05", in NE¼NW¼ lot 95, T.9 S., R.6 E., St. Martin Parish, 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 mile northwest of Ruth, and 2.2 miles south of Breaux Bridge.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1959 to current year. Gage heights 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 at mean sea level (Corps of Engineers bench mark). Auxiliary nonrecording gage 150 ft below control structure at same datum. Prior to Nov. 4, 1965, auxiliary water-stage recorder at same site and datum.

AVERAGE DISCHARGE.--13 years, 152 cfs (110,100 acre-ft per year).

EXTREMES.--Period of record: Maximum daily discharge, 802 cfs Apr. 21, 1966; minimum daily, 18 cfs Sept. 3-5, Oct. 22 to Nov. 7, 1963, July 27-30, 1965, July 4-9, 1969.

REMARKS.--Records fair. Total flow through control structure diverted from Bayou Teche. Diversions are for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	22	24	32	36	26	28	151	305	20	23	20
2	28	22	29	32	35	30	28	161	302	20	22	20
3	27	22	34	32	33	31	27	149	304	20	23	20
4	28	22	34	31	31	31	27	236	299	19	24	20
5	28	22	36	31	30	30	26	276	295	19	24	20
6	27	21	40	31	30	29	26	288	248	19	23	20
7	28	21	39	30	31	28	26	292	176	19	23	20
8	28	21	39	30	30	30	26	281	182	19	22	19
9	27	21	38	29	30	30	25	293	183	19	22	19
10	25	21	38	30	29	30	25	305	180	19	22	19
11	24	21	37	32	28	28	102	298	178	20	21	19
12	24	21	30	32	30	28	249	287	179	20	21	19
13	24	21	36	31	32	28	255	246	170	20	21	19
14	23	21	36	30	30	27	251	236	167	20	21	19
15	23	20	36	30	29	28	263	226	164	20	22	19
16	25	20	36	29	31	36	246	230	151	21	22	19
17	34	20	36	28	29	36	250	249	153	21	22	20
18	35	21	36	28	28	35	246	266	163	21	21	21
19	34	21	36	28	27	33	212	287	175	95	21	21
20	32	21	35	34	26	31	180	292	181	231	21	21
21	28	21	33	36	26	32	173	296	182	89	21	21
22	26	21	33	36	26	32	171	303	185	21	21	21
23	26	21	33	34	26	31	175	307	186	21	20	21
24	25	21	33	32	26	29	176	309	184	21	20	21
25	25	21	33	31	27	32	177	309	184	21	20	21
26	24	21	33	29	26	33	176	310	183	21	20	21
27	24	21	32	28	26	32	172	311	163	21	20	22
28	24	22	32	28	26	30	156	310	142	21	21	22
29	24	23	32	28	26	28	125	310	139	21	21	22
30	23	23	31	34	--	28	139	308	94	25	21	23
31	23	--	32	36	--	28	---	307	--	24	20	--
TOTAL	823	637	1,069	962	840	940	4,158	8,429	5,797	988	666	609
MEAN	26.6	21.2	34.5	31.0	29.0	30.3	139	272	193	31.9	21.5	20.3
MAX	35	23	40	36	36	36	263	311	305	231	24	23
MIN	23	20	24	28	26	26	25	149	94	19	20	19
AC-FT	1,630	1,260	2,120	1,910	1,670	1,860	8,250	16,720	11,500	1,960	1,320	1,210
CAL YR 1971: TOTAL	44,537	MEAN	122.0	MAX	654	MIN	20	AC-FT	88,340			
WTR YR 1972: TOTAL	25,918	MEAN	70.8	MAX	311	MIN	19	AC-FT	51,410			

08010000 Bayou des Cannes near Eunice, La.

LOCATION.--Lat 30°29'00", long 92°29'25", in SW¼SE¼ sec. 32, T.6 S., R1 W., Louisiana meridian, Evangeline Parish, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 miles downstream from New Orleans, Texas and Mexico Railway Co. bridge, and 4.0 miles west of Eunice.

DRAINAGE AREA.--131 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft above mean sea level (Louisiana Geodetic Survey bench mark; levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 miles downstream. Datum of auxiliary gage is 13.70 ft above mean sea level. Oct. 1, 1943, to Nov. 1, 1950, Oct. 31, 1957, to Jan. 13, 1958, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 257 cfs (26.64 inches per year, 186,200 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 9,890 cfs Dec. 7 (gage height, 21.77 ft); no flow Oct. 13-14.

Period of record: Maximum discharge, 11,900 cfs May 20, 1953 (gage height, 22.36 ft); no flow at times in 1939, 1948, 1955-56, 1964, 1971.

REMARKS.--Records good except those for discharges below 20 cfs which are poor. Small diversion above station. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1242: 1950(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	21	232	719	1,440	19	66	112	12	14	115	20
2	11	20	1,220	451	473	1,190	48	857	11	13	260	17
3	8.0	19	2,530	325	150	1,390	39	3,270	10	13	200	16
4	15	18	1,750	359	75	428	30	2,440	10	13	150	15
5	51	17	1,990	827	51	108	63	1,050	10	18	120	15
6	45	16	8,630	399	82	56	43	412	11	48	90	14
7	14	15	9,760	144	1,110	35	37	158	11	56	65	16
8	6.0	14	8,960	88	684	73	55	272	11	48	53	31
9	33	14	7,170	56	199	137	45	245	10	39	58	18
10	29	16	3,860	72	83	66	36	100	10	35	60	12
11	19	22	1,260	1,080	48	32	28	62	11	31	62	9.0
12	3.0	20	575	836	289	24	29	148	26	34	70	7.0
13	0	14	299	292	446	21	25	782	109	47	90	6.0
14	0	8.0	157	141	138	19	22	428	146	50	504	5.0
15	10	6.0	111	97	66	170	21	142	130	50	660	10
16	122	4.0	157	51	45	2,740	20	73	296	55	363	27
17	1,480	3.0	405	35	40	1,820	20	40	483	106	304	71
18	1,750	30	1,060	26	38	510	21	27	246	94	199	55
19	1,040	115	529	23	46	119	21	19	113	103	135	29
20	478	163	795	1,230	36	85	21	17	56	81	100	19
21	314	65	658	2,850	25	1,400	21	15	36	70	54	13
22	216	26	263	1,300	20	1,440	21	14	26	71	38	11
23	113	13	124	463	17	431	19	13	24	72	35	18
24	49	10	85	177	15	130	17	12	22	69	33	33
25	44	8.0	53	111	13	2,350	21	12	21	68	30	68
26	40	7.0	41	82	12	1,930	21	11	20	84	36	120
27	26	7.0	33	57	12	585	21	11	19	104	42	1,000
28	15	50	28	53	11	168	207	11	17	102	32	1,500
29	18	445	26	55	11	336	987	12	16	95	24	660
30	20	367	146	2,210	-----	456	418	14	15	90	23	400
31	21	-----	1,270	3,380	-----	140	---	14	---	109	24	-----
TOTAL	6,005	1,553	54,177	17,989	5,675	18,408	2,443	10,793	1,938	1,882	4,029	4,235
MEAN	194	51.8	1,748	580	196	594	81.4	348	64.6	60.7	130	141
MAX	1,750	445	9,760	3,380	1,440	2,740	987	3,270	483	109	660	1,500
MIN	0	3.0	26	23	11	19	17	11	10	13	23	5.0
CFSM	1.48	.40	13.34	4.43	1.50	4.53	.62	2.66	.49	.46	.99	1.08
IN.	1.70	.44	15.38	5.11	1.61	5.22	.69	3.06	.55	.53	1.14	1.20
AC-FT	11,910	3,080	107,500	35,680	11,260	36,510	4,850	21,410	3,840	3,730	7,990	8,400
CAL YR 1971: TOTAL	145,224.7		MEAN 398	MAX 9,760	MIN 0	CFSM 3.04	IN. 41.23	AC-FT 288,100				
WTR YR 1972: TOTAL	129,127		MEAN 353	MAX 9,760	MIN 0	CFSM 2.69	IN. 36.66	AC-FT 256,100				

08011500 Boggy Bayou near Pine Prairie, La.

LOCATION.--Lat 30°47'10", long 92°28'30", in NW¼NE¼ sec.21, T.3 S., R.1 W., Louisiana meridian, Evangeline Parish, near right bank on downstream side of bridge on State Highway 106, 2.8 miles upstream from Beaver Creek, and 3.0 miles west of Pine Prairie.

DRAINAGE AREA.--51.3 sq mi.

PERIOD OF RECORD.--September 1948 to December 1951 (published as Cypress Creek near Pine Prairie), and occasional low-flow measurements, water years 1956, 1960, 1962-65. November 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.33 ft above mean sea level. Jan. 28, 1952, to Oct. 14, 1958, and Aug. 2, 1961, to Nov. 9, 1965, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--9 years (1948-51, 1966-72), 70.1 cfs (18.56 inches per year, 50,790 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 6,080 cfs Dec. 6 (gage height, 15.85 ft); no flow Nov. 16-18, June 6-8.
Period of record: Maximum discharge, 17,400 cfs Apr. 23, 1964 (gage height, 18.78 ft), from rating curve extended above 6,560 cfs on basis of contracted-opening and flow-over-road measurements of peak flow; no flow at times most years.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	1.2	2.7	22	566	5.8	8.9	7.7	.29	.13	2.6	2.4
2	5.4	1.1	186	128	301	328	6.6	255	.23	.09	2.5	1.6
3	5.7	.87	642	267	104	582	5.3	311	.13	.03	2.4	1.1
4	5.7	.67	664	443	38	370	4.6	242	.09	.18	3.6	.67
5	5.1	.62	704	760	22	154	4.1	222	.05	1.2	9.6	.62
6	4.0	.49	4,700	653	20	46	3.5	65	0	.80	4.1	.49
7	4.3	.29	2,630	335	145	26	3.5	17	0	.71	2.8	.36
8	3.4	.17	982	120	134	24	4.1	23	0	2.1	2.1	.29
9	3.0	.32	488	47	80	73	3.9	38	.01	2.1	1.7	.67
10	2.8	.54	221	264	37	55	3.3	28	.05	1.7	1.3	1.4
11	2.6	.40	58	462	22	30	2.8	16	.05	1.1	1.5	1.2
12	2.3	.29	35	400	136	17	2.3	21	1.8	.76	5.0	.80
13	2.0	.15	24	281	234	11	2.0	127	6.0	.80	39	.62
14	1.7	.09	18	100	147	8.2	1.7	151	3.1	.62	126	.49
15	1.4	.02	40	35	60	6.8	1.5	97	2.1	1.2	65	.36
16	2.3	0	102	20	32	13	2.4	33	5.0	1.4	55	.67
17	77	0	267	13	21	17	2.1	13	20	1.1	26	1.0
18	243	0	601	10	20	25	1.6	7.9	17	.87	13	1.2
19	107	.07	524	3.9	20	19	1.4	5.8	9.6	.76	8.5	.94
20	24	.94	450	176	15	11	1.1	4.4	6.6	.80	6.5	.71
21	8.5	.71	386	460	12	416	.87	3.6	4.4	.94	5.1	.54
22	4.3	1.1	164	386	10	555	.67	3.0	3.4	4.3	4.7	.40
23	2.9	1.4	54	228	9.2	341	.62	2.6	2.6	2.1	5.0	.67
24	2.4	1.3	28	76	7.1	150	.49	2.1	2.0	1.7	5.0	1.4
25	1.9	1.1	18	37	6.5	347	2.7	1.7	1.4	2.1	4.8	1.9
26	1.5	.94	13	21	6.0	358	4.3	1.4	.87	3.0	4.7	2.0
27	1.3	.80	11	14	5.6	272	3.3	1.1	.62	2.3	5.0	2.2
28	1.4	.87	9.2	11	5.2	154	4.4	.80	.45	1.6	4.8	3.2
29	1.5	1.0	9.1	14	5.1	42	5.2	.67	.29	1.5	4.3	2.5
30	1.6	1.1	8.4	435	-----	20	7.3	.54	.20	1.5	4.1	1.7
31	1.4	-----	10	778	-----	12	-----	.36	-----	2.8	3.6	-----
TOTAL	536.0	18.56	14,048.4	7,009.9	2,290.7	4,488.8	96.55	1,702.67	89.33	42.29	429.3	34.10
MEAN	17.3	.62	453	226	79.0	145	3.22	54.9	2.94	1.36	13.8	1.14
MAX	243	1.4	4,700	778	566	582	8.9	311	20	4.3	126	3.2
MIN	1.3	0	2.7	3.9	5.1	5.8	.49	.36	0	.03	1.3	.29
CFS/M	.34	.01	8.83	4.41	1.54	2.83	.06	1.07	.06	.03	.27	.02
IN.	.39	.01	10.19	5.09	1.66	3.26	.07	1.23	.06	.03	.31	.02
AC-FT	1,060	37	27,870	13,900	4,540	8,900	192	3,380	175	84	852	68

CAL YR 1971 TOTAL 26,383.58 MEAN 72.3 MAX 4,700 MIN 0 CFS/M 1.41 IN 19.13 AC-FT 52,330
WTR YR 1972 TOTAL 30,786.20 MEAN 84.1 MAX 4,700 MIN 0 CFS/M 1.64 IN 22.32 AC-FT 61,060

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	1330	15.85	6,080				

08012000 Bayou Nezpique near Basile, La.

LOCATION.--Lat 30°28'50", long 92°37'55", in NE¼NW¼ sec.1, T.7 S., R.3 W., Evangeline Parish, near left bank on downstream side of bridge on U.S. Highway 190, 1,300 ft downstream from New Orleans, Texas and Mexico Railway Co. bridge, and 2.0 miles west of Basile.

DRAINAGE AREA.--527 sq mi.

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

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft above mean sea level. Prior to July 17, 1947, nonrecording gage, at same site and datum. Since Apr. 10, 1945, auxiliary nonrecording gage 7.5 miles downstream. Datum of auxiliary gage is 1.03 ft below mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--34 years, 764 cfs (19.69 inches per year, 553,500 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 13,300 cfs Dec. 8; maximum gage height, 27.70 ft Dec. 9; minimum, 4.4 cfs Sept. 17, 18 (gage height, 1.33 ft).

Period of record: Maximum discharge, 35,800 cfs May 20, 1953; maximum gage height, 34.39 ft May 20, 1953; minimum discharge, 0.1 cfs June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft June 28, 1948.

REMARKS.--Records good. Records of water temperatures for the water year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1512: 1945-55.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	60	352	1,740	4,470	48	1,660	252	23	25	301	28
2	65	58	1,250	1,670	4,110	603	912	938	23	29	327	23
3	54	57	2,420	1,540	3,500	2,130	376	2,940	21	26	314	18
4	140	54	3,410	1,570	2,840	2,520	235	4,290	21	29	284	15
5	564	52	3,720	2,430	2,230	2,020	176	4,080	26	54	235	13
6	846	50	6,960	2,900	1,820	1,520	118	3,580	30	98	176	10
7	520	50	11,200	3,100	2,040	1,220	104	3,060	30	108	121	8.1
8	297	49	13,100	3,200	2,260	964	114	2,590	28	106	92	6.7
9	163	50	13,000	3,000	1,960	745	102	2,140	30	114	92	12
10	101	60	11,900	2,700	1,440	599	81	1,770	33	87	90	33
11	77	68	10,200	2,600	878	382	73	1,270	31	72	98	35
12	67	52	8,400	2,800	650	280	64	636	38	94	87	25
13	60	36	6,660	2,500	1,340	193	63	689	39	114	87	18
14	58	24	5,240	1,980	1,500	143	67	895	67	127	93	12
15	57	16	4,330	1,610	1,140	160	53	823	143	149	275	8.1
16	188	10	3,540	1,290	810	1,520	54	649	232	165	469	5.6
17	1,480	7.5	2,950	935	565	2,590	57	411	346	161	440	4.6
18	2,150	7.6	2,610	498	363	2,590	61	236	416	177	319	5.6
19	2,190	9.5	2,460	278	257	1,880	61	139	334	217	218	14
20	1,780	18	2,440	1,030	201	1,040	64	92	217	219	150	19
21	1,360	28	2,690	2,780	160	1,170	69	66	125	171	117	16
22	794	24	2,660	3,890	128	2,340	71	48	82	144	92	11
23	379	18	2,330	3,500	103	2,800	77	42	64	136	62	7.7
24	178	13	1,890	2,770	83	2,470	76	37	58	103	51	16
25	85	9.5	1,620	2,150	70	2,940	53	32	48	80	82	86
26	57	9.3	1,370	1,600	62	4,020	40	29	44	90	77	201
27	44	10	967	1,030	54	4,000	36	27	38	119	67	254
28	43	19	466	448	46	3,440	53	31	30	142	62	363
29	58	243	210	290	41	2,870	157	33	30	181	60	411
30	62	374	334	1,560	-----	2,580	275	33	25	206	51	410
31	62	-----	1,340	3,800	-----	2,210	-----	28	-----	264	35	-----
TOTAL	14,063	1,536.4	132,019	63,189	35,121	53,987	5,402	31,886	2,672	3,807	5,004	2,089.4
MEAN	454	51.2	4,259	2,038	1,211	1,742	180	1,029	89.1	123	161	69.6
MAX	2,190	374	13,100	3,890	4,470	4,020	1,660	4,290	416	264	469	411
MIN	43	7.5	210	278	41	48	36	27	21	25	35	4.6
AC-FT	27,890	3,050	261,900	125,300	69,660	107,100	10,710	63,250	5,300	7,550	9,930	4,140
CAL YR 1971	TOTAL	341,814.4	MEAN	936	MAX	13,100	MIN	7.5	AC-FT	678,000		
WTR YR 1972	TOTAL	350,775.8	MEAN	958	MAX	13,100	MIN	4.6	AC-FT	695,800		

08013000 Calcasieu River near Glenmora, La.

LOCATION.--Lat 30°59'45", long 92°40'25", in SE¼SE¼ sec.4, T.1 S., R.3 W., Louisiana meridian, Rapides Parish, on right bank on downstream side of bridge on State Highway 113, 1.0 mile upstream from Prairie Branch, and 4.6 miles northwest of Glenmora.

DRAINAGE AREA.--499 sq mi.

PERIOD OF RECORD.--August 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--29 years, 684 cfs (18.61 inches per year, 495, 600 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 14,800 cfs Dec. 7 (gage height, 15.85 ft); minimum daily, 33 cfs Sept. 20.

Period of record: Maximum discharge, 59,900 cfs May 19, 1953 (gage height, 21.55 ft); minimum, 15 cfs Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft Oct. 18, 1956.

REMARKS.--Records good except those for periods of no gage-height record which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISION (WATER YEARS).--WSP 1118: 1944-47.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	59	147	273	1,280	197	403	88	47	50	110	43
2	91	55	677	296	1,390	366	385	105	48	49	80	40
3	79	52	1,870	441	1,570	615	372	233	46	56	76	38
4	70	49	2,230	692	1,930	848	338	180	44	100	150	36
5	74	47	3,020	1,300	2,370	1,300	277	148	43	300	350	38
6	80	45	8,590	1,840	2,210	2,950	226	116	40	800	300	37
7	111	44	13,200	4,790	1,730	3,790	202	111	38	1,000	230	37
8	153	42	13,100	8,710	1,240	3,010	188	179	37	900	142	35
9	109	43	10,500	5,450	970	2,250	179	213	37	700	99	40
10	87	45	7,160	4,290	860	1,460	167	224	35	450	79	40
11	70	46	4,690	3,840	732	890	148	229	34	300	67	38
12	61	64	3,550	3,150	623	683	130	167	35	250	63	37
13	55	80	2,880	2,730	638	595	115	145	38	230	61	36
14	50	71	2,330	2,670	748	525	107	154	38	210	52	37
15	47	63	1,830	3,140	856	440	100	191	41	190	86	37
16	46	57	1,400	2,770	860	386	99	247	59	160	142	36
17	67	53	1,320	2,150	768	406	97	269	585	140	137	35
18	122	56	1,510	1,410	629	487	96	235	1,370	120	134	35
19	210	90	1,560	712	521	507	96	152	1,670	105	117	34
20	245	354	1,540	756	463	466	91	101	1,740	98	93	33
21	252	535	1,620	1,200	436	510	85	83	1,710	92	77	34
22	344	626	1,730	1,420	401	682	84	73	1,280	84	66	35
23	396	692	1,780	4,030	363	850	80	66	647	78	59	34
24	333	688	1,570	6,040	324	1,010	76	61	286	72	55	34
25	208	549	1,030	4,280	287	1,070	73	57	121	68	50	60
26	135	385	593	3,170	265	1,030	69	54	90	66	46	100
27	104	276	431	2,440	246	952	66	51	70	64	46	96
28	88	212	362	1,770	226	822	70	49	60	80	44	90
29	77	177	324	1,060	208	704	78	48	56	110	44	80
30	69	156	300	920	-----	602	82	48	52	140	48	70
31	64	-----	285	1,220	-----	482	-----	46	-----	150	46	-----
TOTAL	3,999	5,711	93,129	78,960	25,144	30,885	4,579	4,122	10,397	7,212	3,149	1,375
MEAN	129	190	3,004	2,547	867	996	153	133	347	233	102	45.8
MAX	396	692	13,200	8,710	2,370	3,790	403	269	1,740	1,000	350	100
MIN	46	42	147	273	208	197	66	46	34	49	44	33
CFSM	.26	.38	6.02	5.10	1.74	2.00	.31	.27	.70	.47	.20	.09
IN.	.30	.43	6.94	5.89	1.87	2.30	.34	.31	.78	.54	.23	.10
AC-FT	7,930	11,330	184,700	156,600	49,870	61,260	9,080	8,180	20,620	14,310	6,250	2,730
CAL YR 1971	TOTAL 178,165	MEAN 488	MAX 13,200	MIN 24	CFSM .98	IN 13.28	AC-FT 353,400					
WTR YR 1972	TOTAL 268,662	MEAN 734	MAX 13,200	MIN 33	CFSM 1.47	IN 20.03	AC-FT 532,900					

PEAK DISCHARGE (BASE, 4,000 CFS) NOTE.--No gage-height June 26 to Aug. 7, Sept. 11-30.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 7	2030	15.85	14,800	1-24	0115	14.27	6,490
1- 8	0300	14.91	9,780	3- 6	2215	13.65	4,220

08013500 Calcasieu River near Oberlin, La.

LOCATION.--Lat 30°38'25", long 92°48'50", in NW¼NE¼ sec.7, T.5 S., R.4 W., Allen Parish, near right bank on downstream side of bridge on State Highway 26, 3 miles northwest of Oberlin, and 15 miles upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 sq mi.

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft above mean sea level (Louisiana Geodetic Survey bench mark). September 1938 to August 17, 1939, nonrecording gage at same site. Prior to February 1925 at datum about 2.5 ft higher.

AVERAGE DISCHARGE.--36 years, (1922-24, 1938-72), 1,110 cfs (20.02 inches per year, 804,200 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 16,100 cfs Dec. 8 (gage height, 18.77 ft); minimum, 57 cfs Sept. 21, 22, 23 (gage height, 1.83 ft).

Period of record: Maximum discharge, 72,800 cfs May 19, 1953 (gage height, 26.53 ft); minimum, 30 cfs Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.68 ft Sept. 20, 21-22, 23, 1970, July 20, 1971.

Flood in June 1886 reached a stage of between 22 and 23 ft, present datum.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 cfs from wells which is later discharged into Mill Creek 20 miles above station. This discharge is continuous and fairly constant. Some small diversions from April to September for rice irrigation above station. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1512: 1923, 1939(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	130	303	617	3,370	419	834	290	98	148	138	78
2	199	123	508	763	3,080	806	718	789	95	136	132	77
3	183	115	1,200	951	2,420	1,450	595	2,160	92	126	146	75
4	174	109	1,470	1,130	1,730	1,640	510	2,510	90	125	192	72
5	161	105	2,130	1,670	1,470	1,440	476	1,620	88	128	258	70
6	145	102	7,170	1,930	1,500	1,120	455	720	86	130	311	69
7	140	98	12,800	2,180	1,900	1,040	421	408	83	172	317	68
8	162	97	15,600	2,100	2,240	1,240	374	358	81	303	285	67
9	157	99	13,700	1,930	2,230	1,850	336	352	79	430	263	67
10	176	99	11,800	3,720	1,890	2,710	317	336	77	532	218	68
11	165	99	9,020	7,120	1,480	2,820	293	328	76	619	175	66
12	144	98	7,010	6,510	1,470	2,370	271	330	73	661	158	67
13	130	97	5,430	5,100	1,680	1,660	260	761	81	604	142	65
14	121	102	4,430	4,030	1,580	1,140	247	959	90	458	131	63
15	113	115	3,730	3,200	1,290	902	226	694	98	397	146	64
16	135	121	3,140	3,810	1,060	1,140	212	444	119	367	151	65
17	304	115	2,850	2,440	992	1,440	197	332	269	301	151	62
18	225	114	3,000	2,500	989	1,100	186	311	252	240	168	60
19	172	113	2,950	2,450	967	696	177	311	351	208	172	62
20	172	122	2,770	2,900	915	615	172	300	502	199	168	60
21	199	170	2,320	3,160	814	1,600	167	261	725	186	157	58
22	325	215	1,860	2,870	706	2,100	163	223	933	177	139	58
23	242	312	1,620	2,640	630	1,940	415	180	1,110	167	131	58
24	274	385	1,530	2,190	582	1,410	532	160	1,200	174	117	66
25	318	468	1,510	1,850	532	1,750	287	145	1,110	177	107	73
26	336	540	1,510	2,720	488	2,140	174	135	758	170	102	114
27	286	556	1,450	4,040	448	2,270	148	126	399	151	105	167
28	224	500	1,250	3,810	406	1,920	144	118	260	139	107	130
29	183	395	954	3,120	379	1,390	149	112	202	138	96	128
30	158	314	732	3,270	-----	1,130	271	107	170	164	87	128
31	141	-----	674	3,540	-----	962	-----	104	-----	145	81	-----
TOTAL	6,088	6,028	126,421	90,261	39,238	46,210	9,727	15,984	9,647	8,072	5,051	2,325
MEAN	196	201	4,078	2,912	1,353	1,491	324	516	322	260	163	77.5
MAX	336	556	15,600	7,120	3,370	2,820	834	2,510	1,200	661	317	167
MIN	113	97	303	617	379	419	144	104	73	125	81	58
CFSM	.26	.27	5.42	3.87	1.80	1.98	.43	.69	.43	.35	.22	.10
IN.	.30	.30	6.24	4.46	1.94	2.28	.48	.79	.48	.40	.25	.11
AC-FT	12,080	11,960	250,800	179,000	77,830	91,660	19,290	31,700	19,130	16,010	10,020	4,610

CAL YR 1971: TOTAL 320,106 MEAN 877 MAX 15,600 MIN 56 CFSM 1.16 IN. 15.81 AC-FT 634,900
WTR YR 1972: TOTAL 365,052 MEAN 997 MAX 15,600 MIN 58 CFSM 1.32 IN. 18.03 AC-FT 724,100

PEAK DISCHARGE (BASE, 8,000 CFS).--Dec. 8 (1100) 16,100 cfs (18.77 ft).

08014500 Whisky Chitto Creek near Oberlin, La.

LOCATION.--Lat 30°41'55", long 92°53'35", in NE¼NE¼ sec.20, T.4 S., R.5 W., Allen Parish, near left bank on downstream side of bridge on State Highway 26, 1 mile downstream from Tenmile Creek, 8 miles upstream from Bundick Creek, and 10 miles northwest of Oberlin.

DRAINAGE AREA.--510 sq mi.

PERIOD OF RECORD.--January 1939 to current year. Prior to October 1963 published as Whiskey Chitto Creek near Oberlin.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 773 cfs (20.58 inches per year, 560,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 22,500 cfs Dec. 7 (gage height, 21.85 ft); minimum, 140 cfs Sept. 15, 16 (gage height, 2.77 ft).

Period of record: Maximum discharge, 144,000 cfs May 18, 1953 (gage height, 32.8 ft, from floodmark), from rating curve extended above 35,000 cfs on basis of slope-area measurement of peak flow; minimum, 88 cfs Oct. 19, 20, 1956; minimum gage height, 2.48 ft Aug. 17, 1970

Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	169	420	522	2,380	320	558	361	203	167	422	164
2	178	165	578	683	2,230	708	498	641	196	164	506	162
3	169	159	2,160	824	1,680	1,380	457	1,160	193	164	364	161
4	163	154	3,440	1,270	1,080	1,590	425	901	189	168	273	150
5	159	152	5,680	2,330	737	1,600	401	724	186	178	309	158
6	156	151	17,000	2,620	636	1,110	391	468	184	372	266	161
7	203	147	19,100	2,440	787	729	395	364	181	618	213	251
8	228	144	18,200	2,380	1,070	620	378	335	179	394	189	254
9	234	147	9,010	2,060	1,090	648	364	446	178	266	178	191
10	220	147	6,110	1,860	792	762	347	811	200	225	173	167
11	190	147	4,470	1,730	633	708	330	611	211	207	170	157
12	160	173	2,370	1,850	720	572	317	436	194	213	172	151
13	151	190	1,350	1,800	1,070	510	312	445	189	209	170	148
14	147	169	1,110	1,290	1,220	476	306	474	198	221	170	145
15	145	158	1,120	884	980	453	297	548	221	240	263	143
16	147	151	1,160	740	703	988	290	434	402	213	341	144
17	185	147	1,590	642	598	785	282	356	626	202	268	143
18	229	152	2,250	590	540	698	310	310	718	194	281	144
19	456	252	2,140	569	495	605	326	281	850	187	238	150
20	917	619	1,840	1,010	475	494	286	261	700	207	202	168
21	1,050	927	1,360	2,510	445	961	268	249	492	211	184	166
22	852	709	953	2,670	405	1,240	492	240	271	196	176	167
23	437	408	798	2,590	383	1,340	429	231	229	181	186	154
24	310	353	702	2,430	372	1,100	303	225	211	179	251	155
25	259	408	639	1,490	364	1,300	275	219	198	183	184	181
26	230	401	603	850	353	2,190	254	215	191	175	198	170
27	212	326	581	671	338	2,130	243	211	184	193	193	200
28	198	277	558	573	325	1,450	259	209	179	205	213	234
29	187	260	541	537	315	875	264	207	173	278	196	193
30	180	424	528	856	-----	708	319	205	170	281	172	176
31	174	-----	514	2,200	-----	626	-----	205	-----	371	166	-----
TOTAL	8,756	8,186	108,875	45,471	23,216	29,676	10,376	12,783	8,496	7,262	7,287	5,118
MEAN	282	273	3,512	1,467	801	957	346	412	283	234	235	171
MAX	1,050	927	19,100	2,670	2,380	2,190	558	1,160	850	618	506	254
MIN	145	144	420	522	315	320	243	205	170	164	166	143
CFSM	.55	.54	6.89	2.88	1.57	1.88	.68	.81	.55	.46	.46	.34
IN.	.64	.60	7.94	3.32	1.69	2.16	.76	.93	.62	.53	.53	.37
AC-FT	17,370	16,240	216,000	90,190	46,050	58,860	20,580	25,360	16,850	14,400	14,450	10,150

CAL YR 1971 TOTAL 269,806 MEAN 739 MAX 19,100 MIN 130 CFSM 1.45 IN 19.68 AC-FT 535,200
WTR YR 1972 TOTAL 275,502 MEAN 753 MAX 19,100 MIN 143 CFSM 1.48 IN 20.10 AC-FT 546,500

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 7	2300	21.85	22,500				

08014800 Bundick Creek near De Ridder, La.

LOCATION.--Lat 30°49'09", long 93°13'51", in SE¼NW¼ sec.7, T.3 S., R.8 W., Beauregard Parish, near left bank on downstream side of bridge on State Highway 26, 1.1 miles downstream from Flat Creek, and 3.8 miles southeast of De Ridder.

DRAINAGE AREA.--120 sq mi.

PERIOD OF RECORD.--March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 113.75 ft above mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--16 years, 147 cfs (16.64 inches per year, 106,500 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 5,980 cfs Dec. 6 (gage height, 19.15 ft); minimum, 13 cfs Oct. 14, 15 (gage height, 2.00 ft).

Period of record: Maximum discharge, 8,700 cfs Nov. 12, 1966 (gage height, 20.79 ft); minimum, 8.8 cfs Oct. 16, 1956; minimum gage height, 1.90 ft Sept. 3, 4, 1965.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 2122: 1957-58, 1961-62, 1964(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	66	72	528	74	76	48	23	19	193	21
2	18	16	726	260	245	352	68	55	23	18	76	23
3	18	15	2,540	357	148	556	62	119	22	18	71	19
4	19	15	1,590	374	117	391	60	94	21	63	100	22
5	18	15	792	745	98	143	59	57	21	336	62	61
6	23	14	3,200	946	117	98	62	39	20	202	36	64
7	37	14	3,340	623	330	82	60	39	19	74	29	40
8	52	14	1,200	193	252	104	56	229	19	39	27	29
9	27	15	508	147	155	244	52	344	19	32	25	25
10	20	19	189	355	110	163	46	180	19	33	25	26
11	17	19	170	559	98	99	45	72	19	34	33	31
12	15	23	140	291	202	82	45	76	19	28	34	23
13	14	20	125	152	310	75	44	158	19	46	36	20
14	14	18	140	119	205	70	42	139	25	40	75	19
15	14	17	310	99	125	66	39	82	67	36	31	19
16	20	16	546	84	102	137	40	55	351	35	54	18
17	65	16	370	78	94	149	44	44	502	32	54	21
18	96	37	398	76	86	115	50	38	233	49	44	26
19	76	126	321	78	83	78	40	35	82	83	34	23
20	48	159	162	386	78	64	36	32	46	68	31	21
21	36	121	117	1,020	71	200	37	30	35	41	27	21
22	28	50	99	926	68	349	54	28	30	54	23	68
23	25	48	86	413	68	228	41	27	29	56	34	42
24	22	43	79	170	67	105	36	26	27	39	42	32
25	20	44	75	131	66	518	32	26	25	30	48	82
26	19	39	73	105	64	843	30	25	23	25	39	67
27	18	33	72	92	62	518	29	25	21	40	35	158
28	17	36	70	88	58	156	66	24	21	76	35	116
29	18	60	69	91	60	116	85	24	20	40	33	74
30	18	58	68	262	-----	102	70	27	19	86	24	54
31	17	-----	68	623	-----	92	-----	25	-----	279	21	-----
TOTAL	868	1,137	17,709	3,915	4,067	6,369	1,506	2,224	1,819	2,051	1,431	1,262
MEAN	28.0	37.9	571	320	140	205	50.2	71.7	60.6	66.2	46.2	42.1
MAX	96	159	3,340	1,020	528	843	85	344	502	336	193	158
MIN	14	14	66	72	58	64	29	24	19	18	21	18
CFSM	.23	.32	4.76	2.67	1.17	1.71	.42	.60	.51	.55	.39	.36
IN.	.27	.35	5.49	3.07	1.26	1.97	.47	.69	.56	.64	.44	.39
AC-FT	1,720	2,260	35,130	19,670	8,070	12,630	2,990	4,410	3,610	4,070	2,840	2,500
CAL YR 1971	TOTAL 42,479	MEAN 116	MAX 3,340	MIN 13	CFSM .97	IN 13.17	AC-FT 84,260					
WTR YR 1972	TOTAL 50,358	MEAN 138	MAX 3,340	MIN 14	CFSM 1.15	IN 15.61	AC-FT 99,890					

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	1945	19.15	5,980	1-21	1830	14.83	1,200
1- 6	1000	13.83	984				

08015500 Calcasieu River near Kinder, La.

LOCATION.--Lat 30°30'10", long 92°54'55", in NW¼SE¼ sec.30, T.6 S., R.5 W., Allen Parish, on left bank on downstream side of bridge on U. S. Highway 190, 0.5 mile downstream from Whisky Chitto Creek, and 4 miles west of Kinder.

DRAINAGE AREA.--1,700 sq mi.

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 U. S. Weather Bureau records.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above mean sea level (Louisiana Geodetic Survey bench mark). 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.

AVERAGE DISCHARGE.--32 years (1922-24, 1938-57, 1961-72), 2,466 cfs (1,787,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 45,500 cfs Dec. 9 (gage height, 21.44 ft); minimum, 259 cfs Sept. 15, 16 (gage height, 2.05 ft).

Period of record: Maximum discharge, 182,000 cfs May 19, 1953 (gage height, 32.00 ft); minimum, 136 cfs Aug. 15, 1956; minimum gage height, 1.99 ft Aug. 17, 1951.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 cfs from wells which is later discharged into Mill Creek 36 miles above station. This discharge is continuous and fairly constant. Water is diverted during period April to September at points just above station and 5 miles 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 cfs and this diversion results in marked regulation of the low-water flow. Records of water temperatures for the water year 1972 are published in Part 2 of this report. See following page for table of daily gage height.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	538	406	1,070	1,660	7,730	1,050	2,010	788	491	466	722	365
2	499	389	1,460	1,780	7,220	1,560	1,640	1,560	474	449	810	349
3	505	375	3,200	2,270	6,480	2,800	1,380	3,420	460	407	841	336
4	532	364	4,630	2,800	4,820	3,420	1,220	3,950	449	432	754	326
5	481	356	6,510	4,870	3,510	3,650	1,140	3,640	446	470	631	323
6	433	349	13,900	5,690	3,030	3,180	1,070	2,620	432	480	659	330
7	412	341	29,000	5,770	3,280	2,320	1,040	1,440	418	754	746	336
8	439	336	42,000	5,580	3,630	2,130	980	1,100	404	928	698	438
9	475	341	43,000	5,420	3,940	2,480	921	1,020	407	925	634	407
10	463	344	33,300	5,340	3,840	3,100	869	1,220	414	922	572	365
11	448	346	24,400	7,160	3,280	3,540	849	1,360	414	956	519	330
12	418	344	18,600	8,400	2,890	3,460	818	1,260	418	1,010	470	304
13	394	364	13,200	9,530	3,500	2,860	779	1,460	432	1,030	488	289
14	375	364	9,000	8,580	3,690	2,130	756	1,770	435	950	456	287
15	367	354	6,720	6,140	3,460	2,110	725	1,720	470	880	452	283
16	427	356	5,710	5,140	2,810	3,220	706	1,360	558	824	624	274
17	761	369	5,370	4,140	2,270	3,560	684	1,070	603	740	634	295
18	744	499	5,440	3,580	2,060	2,690	662	953	883	687	592	286
19	661	586	5,960	3,410	1,930	1,900	663	883	1,120	656	631	298
20	936	761	6,340	4,960	1,820	1,880	637	838	1,340	600	600	298
21	1,140	1,030	5,540	7,780	1,710	4,310	610	771	1,390	606	533	307
22	1,200	1,160	4,310	8,840	1,560	4,710	604	708	1,350	614	488	330
23	936	982	3,390	7,850	1,420	4,270	918	656	1,390	572	540	371
24	708	918	2,870	6,820	1,330	3,910	1,090	610	1,480	530	816	365
25	649	1,000	2,540	6,030	1,260	5,300	963	578	1,520	530	698	414
26	640	1,100	2,400	4,410	1,200	6,450	735	547	1,370	512	533	428
27	613	1,140	2,340	4,220	1,150	6,170	630	519	984	488	526	466
28	550	1,110	2,230	4,550	1,090	5,650	589	516	676	491	572	554
29	490	1,040	1,990	4,670	1,050	4,910	613	498	544	502	516	582
30	451	940	1,780	5,640	-----	3,680	625	484	484	662	438	558
31	427	-----	1,840	7,140	-----	2,580	-----	494	-----	718	390	-----
TOTAL	18,112	18,364	310,040	170,170	86,960	104,980	26,926	39,813	22,256	20,791	18,583	10,894
MEAN	584	612	10,000	5,489	2,999	3,386	898	1,284	742	671	599	363
MAX	1,200	1,160	43,000	9,530	7,730	6,450	2,010	3,950	1,520	1,030	841	582
MIN	367	336	1,070	1,660	1,050	1,050	589	484	404	407	390	274
AC-FT	35,930	36,420	615,000	337,500	172,500	208,200	53,410	78,970	44,140	41,240	36,860	21,610
CAL YR 1971	TOTAL	770,867	MEAN	2,112	MAX	43,000	MIN	278	AC-FT	1,529,000		
WTR YR 1972	TOTAL	847,889	MEAN	2,317	MAX	43,000	MIN	274	AC-FT	1,682,000		

08015500 Calcasieu River near Kinder, La.--Continued

MEAN GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.16	2.72	4.73	6.29	14.52	4.69	7.14	3.94	2.76	2.69	3.42	2.39
2	3.03	2.66	5.77	6.57	14.21	6.01	6.22	5.97	2.71	2.64	3.67	2.34
3	3.05	2.61	9.52	7.80	13.66	8.87	5.58	9.93	2.67	2.52	3.76	2.30
4	3.14	2.57	11.73	8.84	12.47	9.95	5.16	10.78	2.64	2.58	3.51	2.27
5	2.97	2.54	13.06	11.47	10.59	10.34	4.95	10.31	2.63	2.70	3.16	2.26
6	2.81	2.51	16.26	12.94	9.29	9.54	4.74	8.25	2.59	2.73	3.24	2.28
7	2.74	2.48	19.20	13.02	9.71	7.89	4.65	5.46	2.55	3.50	3.49	2.30
8	2.93	2.46	21.03	12.83	10.30	7.46	4.49	4.49	2.51	4.01	3.35	2.61
9	2.95	2.48	21.20	12.67	10.77	8.24	4.32	4.26	2.52	4.00	3.16	2.52
10	2.91	2.49	19.99	12.57	10.62	9.42	4.17	4.84	2.54	3.99	2.99	2.39
11	2.86	2.50	18.82	13.94	9.72	10.16	4.11	5.24	2.54	4.09	2.84	2.28
12	2.76	2.49	17.78	14.85	9.07	10.02	4.02	4.95	2.55	4.23	2.70	2.20
13	2.68	2.57	16.43	15.37	10.08	8.98	3.91	5.53	2.59	4.30	2.75	2.15
14	2.61	2.57	15.12	14.94	10.41	7.44	3.84	6.30	2.60	4.07	2.66	2.12
15	2.58	2.53	14.12	13.77	10.01	7.36	3.76	6.18	2.70	3.87	2.65	2.13
16	2.78	2.54	13.25	12.34	8.90	9.61	3.70	5.23	2.95	3.71	3.14	2.10
17	3.85	2.58	12.61	11.06	7.80	10.18	3.64	4.41	3.08	3.47	3.17	2.17
18	3.81	3.02	12.69	10.21	7.28	8.65	3.57	4.07	3.88	3.32	3.05	2.14
19	3.57	3.32	13.21	9.93	6.96	6.88	3.58	3.88	4.57	3.23	3.16	2.18
20	4.36	3.86	13.55	11.41	6.68	6.81	3.53	3.75	5.19	3.07	3.07	2.18
21	4.94	4.62	13.08	14.21	6.40	10.68	3.40	3.56	5.33	3.09	2.88	2.21
22	5.11	5.01	11.80	15.07	6.02	11.84	3.38	3.38	5.21	3.11	2.74	2.28
23	4.36	4.49	10.19	14.57	5.68	11.25	4.31	3.23	5.33	2.99	2.90	2.41
24	3.70	4.31	9.01	13.94	5.46	10.73	4.80	3.10	5.58	2.87	3.67	2.39
25	3.53	4.55	8.37	13.26	5.29	12.50	4.44	3.01	5.68	2.87	3.34	2.54
26	3.50	4.84	8.11	11.87	5.12	13.64	3.79	2.92	5.27	2.82	2.88	2.58
27	3.41	4.93	7.97	11.17	4.96	13.40	3.47	2.84	4.17	2.75	2.86	2.68
28	3.20	4.85	7.70	11.63	4.81	12.90	3.33	2.83	3.29	2.76	2.99	2.94
29	3.00	4.65	7.11	11.79	4.70	12.07	3.41	2.78	2.91	2.79	2.83	3.02
30	2.87	4.37	6.57	12.50	-----	10.35	3.45	2.74	2.74	3.25	2.61	2.95
31	2.79	-----	6.73	13.88	-----	8.46	-----	2.77	-----	3.41	2.47	-----
MAX	5.11	5.01	21.20	15.37	14.52	13.64	7.14	10.78	5.68	4.30	3.76	3.02
MIN	2.58	2.46	4.73	6.29	4.70	4.69	3.33	2.74	2.51	2.52	2.47	2.10

08016400 Beckwith Creek near De Quincy, La.

LOCATION.--Lat 30°28'15", long 93°21'35", in SE¼NW¼ sec.11, T.7 S., R.10 W., Beauregard Parish, near right bank on downstream side of bridge on State Highway 12, 300 ft upstream from New Orleans, Texas and Mexico Railway bridge, 2.3 miles downstream from Hams Creek, and 4.4 miles northeast of De Quincy.

DRAINAGE AREA.--148 sq mi.

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.29 ft above mean sea level. Prior to Oct. 28, 1950, nonrecording gage and Oct. 29, 1950, to Jan. 3, 1961, water-stage recorder 1,000 ft upstream at same datum.

AVERAGE DISCHARGE.--27 years, 189 cfs (17.34 inches per year, 136,900 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 3,700 cfs Dec. 6 (gage height, 19.63 ft); minimum, 0.65 cfs Nov. 7, 8, 9 (gage height, 1.05 ft).

Period of record: Maximum discharge, 13,800 cfs May 21, 1955 (gage height, 24.45 ft); minimum, 0.1 cfs Sept. 27 to Oct. 30, 1956; minimum gage height, 0.87 ft Sept. 26, 1954.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1118: 1946, 1947(M). WSP 1512: 1945.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.1	37	17	511	40	71	7.8	6.4	3.1	2.6	10
2	1.4	1.0	494	109	412	555	42	66	6.4	2.8	5.6	9.2
3	1.3	.85	1,230	139	389	690	30	107	6.3	2.6	6.3	8.3
4	1.4	.75	674	721	290	483	24	36	6.1	24	7.5	7.7
5	1.4	.75	684	1,040	147	416	21	19	5.9	25	6.3	7.0
6	2.1	.75	2,290	597	138	373	19	15	5.7	10	4.5	6.8
7	1.3	.70	2,910	458	257	176	17	12	5.6	7.9	3.3	19
8	1.1	.65	2,470	430	256	63	16	9.8	5.4	7.0	2.9	51
9	.96	.85	2,270	494	230	40	15	8.4	5.4	5.7	3.1	30
10	1.1	.85	1,660	910	219	49	14	8.1	5.9	8.8	3.3	17
11	1.0	.90	1,180	497	148	64	14	22	5.1	7.9	2.8	12
12	.90	.85	742	220	380	59	12	135	6.3	11	2.6	9.2
13	.85	.75	313	169	388	39	11	437	7.9	41	2.2	8.5
14	.80	.80	140	141	259	27	10	138	8.5	15	2.1	7.3
15	2.8	.80	114	84	230	50	9.6	84	49	11	2.4	6.4
16	6.1	.75	221	50	183	366	9.2	52	102	7.7	4.1	5.7
17	29	.75	255	35	107	453	8.9	31	150	5.3	2.6	5.4
18	16	115	404	27	72	430	8.0	22	27	8.5	5.4	5.4
19	12	305	459	33	55	370	7.3	17	14	6.8	6.3	7.0
20	8.3	119	409	1,350	44	275	6.7	14	19	5.7	14	6.1
21	4.8	45	240	2,110	36	904	6.3	12	17	5.4	8.1	5.6
22	3.5	24	112	1,580	32	576	6.4	11	13	4.3	10	128
23	2.8	30	61	1,100	28	298	6.9	9.8	9.8	7.3	146	31
24	2.3	40	43	667	26	259	74	9.2	7.9	9.2	203	44
25	2.0	20	33	524	24	259	59	8.5	6.6	4.9	343	99
26	1.7	15	27	326	23	396	23	7.9	5.6	3.8	166	35
27	1.5	20	24	137	21	455	14	7.9	4.8	3.1	91	26
28	1.4	96	22	76	20	567	13	7.9	4.3	2.7	42	26
29	1.3	147	20	61	20	663	11	7.5	3.8	2.6	22	21
30	1.3	26	19	673	-----	490	8.4	7.0	3.5	2.6	16	42
31	1.1	-----	18	859	-----	152	-----	6.8	-----	2.5	12	-----
TOTAL	115.01	1,015.85	19,575	15,634	4,945	10,037	587.7	1,336.6	524.2	265.2	1,149.0	696.6
MEAN	3.71	33.9	631	504	171	324	19.6	43.1	17.5	8.55	37.1	23.2
MAX	29	305	2,910	2,110	511	904	74	437	150	41	343	128
MIN	.80	.65	18	17	20	27	6.3	6.8	3.5	2.5	2.1	5.4
CFSM	.03	.23	4.26	3.41	1.16	2.19	.13	.29	.12	.06	.25	.16
IN.	.03	.26	4.92	3.93	1.24	2.52	.15	.34	.13	.07	.29	.18
AC-FT	228	2,010	38,830	31,010	9,810	19,910	1,170	2,650	1,040	526	2,280	1,380

CAL YR 1971 TOTAL 46,402.46 MEAN 127 MAX 2,910 MIN .65 CFSM .86 IN 11.66 AC-FT 92,040
WTR YR 1972 TOTAL 55,881.16 MEAN 153 MAX 2,910 MIN .65 CFSM 1.03 IN 14.04 AC-FT 110,840

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	2315	19.63	3,700	1-21	0600	18.01	2,310

08016800 Bear Head Creek near Starks, La.

LOCATION.--Lat 30°19'59", long 93°37'44", in sec.30, T.8 S., R.12 W., Calcasieu Parish, near right bank on downstream side of bridge on State Highway 12, 2.4 miles northeast of Starks, and 3.5 miles downstream from Green Island Marsh Creek.

DRAINAGE AREA.--177 sq mi.

PERIOD OF RECORD.--Annual maximums, water years 1954-56. March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 16.34 ft above mean sea level (Louisiana Geodetic Survey bench mark). Oct. 13, 1953, to Mar. 8, 1956, nonrecording gage at site 100 ft downstream at same datum.

AVERAGE DISCHARGE.--16 years, 214 cfs (16.42 inches per year, 155,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 3,400 cfs Dec. 8 (gage height, 15.00 ft); no flow June 12-14.

Period of record: Maximum discharge, 11,200 cfs Oct. 28, 1970 (gage height, 17.63 ft); no flow at times most years.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 2122: 1958(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	2.1	.44	214	26	913	13	146	4.6	.10	.11	2.1	6.4		
2	1.6	.32	265	52	850	197	61	130	1.1	.13	4.4	3.9		
3	1.1	.20	675	68	712	578	36	166	1.1	.72	4.9	2.2		
4	9.5	.17	1,130	191	540	777	24	209	.52	3.8	2.7	1.5		
5	20	.15	1,130	580	368	717	16	146	.24	38	1.6	.96		
6	24	.14	1,850	922	231	607	12	71	.15	83	2.2	.84		
7	10	.12	3,090	877	199	472	9.2	31	.11	55	2.7	2.0		
8	5.1	.10	3,250	756	217	252	7.0	21	.06	25	2.1	2.9		
9	3.5	.10	2,830	639	284	108	5.3	14	.03	14	1.7	2.2		
10	2.9	.09	2,460	556	281	53	4.8	11	.01	63	1.5	.78		
11	1.9	.07	2,010	525	250	38	4.0	14	.01	40	1.2	.28		
12	1.2	.06	1,560	555	224	39	3.5	114	0	17	5.9	.17		
13	.84	.05	1,140	483	238	34	2.9	300	0	12	7.8	.13		
14	.52	.04	692	283	327	27	2.4	500	0	101	5.3	.08		
15	.36	.03	334	158	321	65	1.9	300	.09	199	3.5	.06		
16	.40	.01	214	87	260	321	1.8	150	53	193	2.2	.04		
17	1.6	.01	243	56	186	474	1.5	70	194	76	8.5	.05		
18	6.1	.52	313	41	99	479	1.3	28	201	35	12	.08		
19	9.5	.39	336	36	56	325	1.1	14	94	22	11	.12		
20	5.6	137	407	232	42	286	.90	6.4	30	41	9.9	.06		
21	3.5	178	372	1,060	37	584	.96	3.7	10	86	9.5	5.8		
22	2.1	153	330	2,480	35	1,080	1.3	2.1	4.2	77	7.0	7.5		
23	1.9	105	244	2,610	29	1,010	.72	1.3	2.1	76	9.5	1.5		
24	3.4	62	132	2,110	23	760	.90	.84	1.1	48	20	24		
25	3.2	46	71	1,560	21	529	1.3	.56	.72	19	22	32		
26	2.4	36	50	1,090	19	291	10	.36	.44	12	61	11		
27	1.8	33	40	599	17	156	11	.24	.28	9.5	136	29		
28	1.4	54	34	231	16	160	14	.19	.17	6.4	190	33		
29	1.0	120	29	101	14	216	8.8	.18	.14	4.6	113	92		
30	.78	186	26	262	-----	282	6.7	.18	.12	4.0	28	103		
31	.56	-----	25	660	-----	280	-----	.13	-----	3.7	12	-----		
TOTAL	129.86	1,113.01	25,546	19,886	6,809	11,210	398.28	2,309.78	594.79	1,364.96	701.2	363.55		
MEAN	4.19	37.1	824	641	235	362	13.3	74.5	19.8	44.0	22.6	12.1		
MAX	24	186	3,250	2,610	913	1,080	146	500	201	199	190	103		
MIN	.36	.01	25	26	14	13	.72	.13	0	.11	1.2	.04		
CFSM	.02	.21	4.66	3.62	1.33	2.05	.08	.42	.11	.25	.13	.07		
IN.	.03	.23	5.37	4.18	1.43	2.36	.08	.49	.13	.29	.15	.08		
AC-FT	258	2,210	50,670	39,440	13,510	22,240	790	4,580	1,180	2,710	1,390	721		
CAL YR 1971	TOTAL	54,253.58	MEAN	149	MAX	3,250	MIN	0	CFSM	.84	IN	11.40	AC-FT	107,600
WTR YR 1972	TOTAL	70,426.43	MEAN	192	MAX	3,250	MIN	0	CFSM	1.08	IN	14.80	AC-FT	139,700

08022000 Sabine River near Tatum, Tex.

LOCATION.--Lat 32°22'11", long 94°27'28", Rusk County, near right bank on downstream side of pier of bridge on State Highway 43, 5.1 miles northeast of Tatum, 5.2 miles upstream from Potters Creek, 5.6 miles downstream from Cherokee Bayou, and at mile 339.4.

DRAINAGE AREA.--3,493 sq mi.

PERIOD OF RECORD.--October 1938 to September 1971. Monthly discharge only for October 1938 to January 1939, published in WSP 1312.

GAGE.--Water-stage recorder. Datum of gage is 204.18 ft above mean sea level (levels by Corps of Engineers). Prior to Sept. 21, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 2,410 cfs (1,746,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge, 7,490 cfs Oct. 30 (gage height, 17.24 ft); minimum observed, 6.7 cfs July 24.

Period of record: Maximum discharge, 123,000 cfs Apr. 4, 1945 (gage height, 33.80 ft, from graph based on gage readings), from rating curve extended above 66,000 cfs on basis of partly estimated measurement of 88,900 cfs; minimum observed, 2.4 cfs Aug. 11, 12, 1964.

Maximum stage since at least 1884, that of Apr. 4, 1945. Flood in May 1884 reached a stage of 32 ft, from information by local residents.

REMARKS.--Flow partly regulated by Lake Tawakoni (station 08017400) located 175 miles upstream and six small reservoirs (combined capacity, 1,022,000 acre-ft). Several diversions above station and below Lake Tawakoni for oilfield operation, municipal, and industrial use.

REVISIONS.--WSP 1732: Drainage area.

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent WRD LA. These records are published in WRD TEX.

08022500 Sabine River at Logansport, La.

LOCATION.--Lat 31°58'20", long 94°00'22", on De Soto Parish, La.-Shelby County, Tex. State line at Logansport, just upstream from bridge on U.S. Highway 84, 3 miles upstream from Bayou Castor, 111 miles upstream from Toledo Bend Dam, and at mile 267.1.

DRAINAGE AREA.--7,178 sq mi (see station 08025350).

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Discharge record July 1903 to February 1968.

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft above mean sea level. July 1, 1903, to Sept. 30, 1956, nonrecording gage. Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft upstream. Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft upstream. All gages to present datum except prior to Dec. 31, 1906, when datum was 2 ft lower.

AVERAGE DISCHARGE.--64 years (1903-67), 3,208 cfs (2,324,000 acre-ft per year).

EXTREMES.--Current year: Maximum gage height, 28.37 ft Dec. 28; minimum, 18.57 ft Sept. 30.

Period of gage-height record 1968-72: Maximum gage height, 32.50 ft Apr. 20, 1969; minimum since initial filling of Toledo Bend Reservoir in June 1968, 18.57 ft Sept. 30, 1972.

Period of discharge record 1903-67: Maximum discharge, 92,000 cfs Apr. 8, 1945 (gage height, 44.07 ft, from floodmark); minimum, 16 cfs Sept. 26-28, Oct. 3, 4, 1939.

Maximum stage since at least 1884, that of Apr. 8, 1945. Flood in May 1884 reached a stage of 39.4 ft, present site and datum.

REMARKS.--Records good. Station discontinued as daily streamflow station on Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Eight major reservoirs, with a combined capacity of 1,068,000 acre-ft, largely regulate the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see Lake Fork Creek near Quitman (station 08019000). Numerous diversions above station for oilfield operations, municipal, and industrial use.

REVISIONS (WATER YEARS).--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE HEIGHT, IN FEET, AT 2400, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.96	21.30	21.53	27.20	23.55	22.26	23.62	23.95	22.88	22.34	22.38	20.50
2	20.94	21.38	21.61	27.04	23.64	22.42	23.77	24.05	22.85	22.31	22.32	20.45
3	20.99	21.39	21.58	27.05	23.50	22.78	23.77	24.14	22.82	22.37	22.24	20.44
4	20.95	21.52	21.63	27.11	23.38	22.76	23.69	24.34	22.82	22.80	22.13	20.44
5	20.95	21.67	21.82	27.29	23.36	22.73	23.78	24.21	22.74	22.74	22.10	20.37
6	20.95	21.66	22.14	27.51	23.30	22.77	23.86	24.18	22.68	22.69	22.02	20.30
7	20.94	21.62	22.42	27.84	23.23	22.67	23.74	24.13	22.58	22.67	21.98	20.20
8	20.89	21.67	22.66	28.25	23.08	22.58	23.71	24.08	22.57	22.78	21.90	20.05
9	20.83	21.59	22.94	28.32	22.81	22.62	23.74	24.00	22.49	22.72	21.77	19.92
10	20.84	21.47	22.83	27.93	22.55	22.65	23.81	23.93	22.44	22.70	21.70	19.89
11	20.84	21.38	22.90	27.43	22.40	22.72	23.80	23.89	22.40	22.73	21.62	19.87
12	20.88	21.32	22.99	26.87	22.27	22.75	23.89	23.85	22.41	22.73	21.55	19.74
13	20.87	21.32	23.03	26.27	22.26	22.68	23.89	23.84	22.43	22.68	21.55	19.64
14	20.84	21.30	23.23	25.77	22.28	22.72	23.89	23.83	22.40	22.72	21.55	19.53
15	20.89	21.23	23.10	25.39	22.14	22.72	23.79	23.83	22.50	22.65	21.45	19.39
16	20.95	21.22	23.23	25.19	22.09	22.73	23.74	23.74	22.53	22.67	21.45	19.49
17	20.95	21.31	23.36	25.05	22.01	22.74	23.78	23.63	22.52	22.64	21.35	19.52
18	20.98	21.33	23.58	24.93	21.96	22.70	23.85	23.46	22.55	22.62	21.25	19.46
19	20.88	21.42	23.80	24.84	21.93	22.79	23.90	23.43	22.53	22.53	21.10	19.33
20	20.87	21.47	23.93	24.75	22.05	22.85	23.76	23.40	22.55	22.47	21.05	19.20
21	20.82	21.52	24.12	24.65	22.11	23.17	23.62	23.41	22.54	22.37	21.07	19.11
22	20.83	21.63	24.39	24.23	22.07	23.28	23.69	23.40	22.53	22.37	21.04	19.00
23	20.79	21.54	24.91	23.81	22.10	23.40	23.66	23.35	22.62	22.33	21.00	18.90
24	20.80	21.53	25.83	23.39	22.14	23.40	23.47	23.27	22.72	22.28	21.02	18.89
25	20.85	21.59	27.09	22.79	22.16	23.42	23.49	23.17	22.82	22.19	20.95	18.93
26	20.92	21.61	27.96	22.64	22.08	23.72	23.60	23.10	22.81	22.15	20.95	18.93
27	20.95	21.58	28.31	22.57	22.07	23.60	23.66	23.07	22.64	22.06	20.90	18.95
28	20.99	21.59	28.29	22.43	22.15	23.61	23.68	23.00	22.46	22.02	20.80	18.88
29	21.01	21.56	28.06	22.59	22.19	23.53	23.72	23.00	22.33	22.13	20.70	18.79
30	21.09	21.49	27.76	22.93	-----	23.62	23.82	22.88	22.31	22.24	20.65	18.71
31	21.18	-----	27.40	23.31	-----	23.60	-----	22.86	-----	22.40	20.58	-----
MAX	21.18	21.67	28.31	28.32	23.64	23.72	23.90	24.34	22.88	22.80	22.38	20.50
MIN	20.79	21.22	21.53	22.43	21.93	22.26	23.47	22.86	22.31	22.02	20.58	18.71
CAL YR 1971	MEAN 5.59		MAX 28.31	MIN 20.79								
WTR YR 1972	MEAN 22.58		MAX 28.32	MIN 18.71								

LOCATION.--Lat 31°28'01", long 93°44'41", Sabine Parish, La.-Sabine County, Tex. State line, on right bank at bridge on Texas State Highway 21, 6.5 miles northeast of Milam, 38 miles upstream from Toledo Bend Dam, and at mile 194.8.

PERIOD OF RECORD.--Gage-height record, October 1966 to January 1968, December 1968 to current year (published as Toledo Bend Reservoir near Milan, December 1968 to September 1970). Discharge record, October 1923 to September 1925 (published as "Sabine River at Sabinetown"), January 1939 to September 1966.

AVERAGE DISCHARGE.--29 years (1923-25, 1939-66), 4,982 cfs (3,607,000 acre-ft per year).

Period of gage-height record: Maximum gage height, 75.22 ft Mar. 20, 1969; minimum, 68.38 ft Sept. 30, 1972.

Period of discharge record 1923-25, 1939-66: Maximum discharge, 83,400 cfs Apr. 12, 1945 (gage height, 48.87 ft); minimum, 25 cfs Oct. 14-19, 1956.

REMARKS.--Station discontinued as daily streamflow station Sept. 30, 1966, due to backwater from storage in Toledo Bend Reservoir (station 08025350).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70.57	70.59	71.17	72.24	72.53	71.85	73.30	73.25	72.56	71.91	71.97	70.08
2	70.56	70.63	71.30	72.28	72.45	71.93	73.30	73.52	72.53	71.90	71.93	70.07
3	70.60	70.62	71.23	72.45	72.47	71.94	73.35	73.61	72.51	71.88	71.90	70.07
4	70.65	70.63	71.25	72.47	72.38	71.97	73.33	73.68	72.49	72.28	71.85	70.08
5	70.66	70.64	71.49	72.64	72.28	72.05	73.35	73.72	72.43	72.36	71.77	69.95
6	70.65	70.63	71.63	72.59	72.22	72.04	73.37	73.75	72.37	72.37	71.72	69.86
7	70.64	70.64	71.71	72.74	72.19	72.15	73.39	73.81	72.29	72.36	71.65	69.76
8	70.61	70.73	71.80	72.78	72.12	72.21	73.36	73.74	72.22	72.34	71.56	69.68
9	70.53	70.78	71.88	72.89	71.96	72.22	73.38	73.67	72.19	72.35	71.44	69.58
10	70.54	70.83	71.97	72.93	71.84	72.23	73.38	73.59	72.09	72.34	71.34	69.55
11	70.55	70.83	72.02	72.95	71.87	72.25	73.38	73.52	72.09	72.32	71.29	69.44
12	70.53	70.87	72.15	72.96	71.84	72.27	73.38	73.53	72.03	72.31	71.30	69.39
13	70.54	70.87	72.19	72.93	71.79	72.31	73.37	73.55	72.03	72.30	71.30	69.28
14	70.54	70.87	72.10	72.85	71.76	72.32	73.37	73.57	72.08	72.31	71.25	69.18
15	70.54	70.87	72.12	72.81	71.72	72.37	73.43	73.47	72.10	72.30	71.20	69.08
16	70.63	70.88	72.14	72.74	71.66	72.39	73.43	73.40	72.18	72.32	71.12	69.15
17	70.63	70.88	72.16	72.67	71.63	72.37	73.42	73.32	72.21	72.30	71.03	69.12
18	70.63	71.05	72.13	72.61	71.64	72.40	73.41	73.18	72.23	72.26	70.93	69.05
19	70.62	71.09	72.06	72.55	71.66	72.41	73.29	73.16	72.20	72.17	70.83	68.94
20	70.62	71.08	71.98	72.55	71.64	72.66	73.19	73.15	72.16	72.08	70.83	68.86
21	70.62	71.08	71.88	72.48	71.68	72.84	73.26	73.15	72.16	72.09	70.75	68.75
22	70.59	71.05	71.87	72.42	71.72	72.93	73.23	73.07	72.14	72.05	70.66	68.68
23	70.58	71.02	71.84	72.34	71.73	72.98	73.23	72.98	72.12	72.04	70.60	68.68
24	70.55	71.04	71.79	72.24	71.74	73.11	73.13	72.93	72.12	71.96	70.75	68.73
25	70.53	71.08	71.75	72.21	71.76	73.10	73.09	72.87	72.15	71.88	70.57	68.68
26	70.54	71.09	71.75	72.20	71.76	73.10	73.10	72.80	72.09	71.82	70.55	68.58
27	70.54	71.11	71.81	72.17	71.78	73.19	73.23	72.70	72.03	71.74	70.57	68.54
28	70.53	71.14	71.87	72.10	71.80	73.19	73.25	72.67	71.99	71.68	70.48	68.52
29	70.52	71.17	72.02	72.17	71.86	73.24	73.28	72.68	71.95	71.77	70.37	68.41
30	70.53	71.11	72.11	72.40	-----	73.23	73.24	72.57	71.93	71.96	70.28	68.42
31	70.55	-----	72.15	72.48								

08025350 Toledo Bend Reservoir near Burkeville, Tex.

LOCATION.--Lat 31°11'47", long 93°34'24", Sabine Parish, La.-Newton County, Tex. State line, on upstream side of dam near right abutment of spillway of Toledo Bend Dam on the Sabine River, 1.0 mile upstream from Bayou Toro, 15 miles northeast of Burkeville, and at mile 156.5.

DRAINAGE AREA.--7,178 sq mi.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage read once daily at same site and datum.

EXTREMES.--Current year: Maximum contents, 4,476,000 acre-ft May 8 (elevation, 172.00 ft); minimum, 3,552,000 acre-ft Sept. 29 (elevation, 166.51 ft).
Period of record: Maximum contents, 4,739,000 acre-ft Mar. 21, 1969 (elevation, 173.42 ft); minimum since initial filling of reservoir in June 1968, 3,552,000 acre-ft Sept. 29, 1971 (elevation, 166.51 ft).

REMARKS.--Reservoir is formed by a rolled earthfill dam, 11,243 ft long, including dikes. Closure at embankment completed and deliberate impoundment was begun Oct. 3, 1966. Reservoir is operated for hydro-electric power generation and water conservation. A gate controlled, gravity concrete, ogee weir is located near the left abutment of the dam. Net opening of 440 ft is controlled by eleven 40- by 28-foot tainter gates. A low-flow release sluiceway is located in an enlarged gate pier near the center of the spillway structure. This sluiceway is a single 8.33- by 12-foot concrete conduit controlled by a single gate. Two 20-inch-diameter conduits are provided which by-pass the sluice gate. Water for turbines is admitted through four 16.75- by 29-foot penstocks and controlled by vertically operated caterpillar-type gates. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see Lake Fork Creek near Quitman (station 08019000). For statement regarding regulation by upstream reservoirs, see Sabine River near Logansport (station 08022500). Data regarding dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam.....	185.0	
Maximum design water surface.....	175.3	5,102,000
Top of gates.....	173.0	4,660,000
Top of power drawdown storage.....	172.0	4,476,000
Top of power head storage.....	162.2	2,922,000
Spillway crest (controlled).....	145.0	1,162,000
Invert of low-flow release sluiceway.....	100.0	4,090

COOPERATION.--Capacity table furnished by Sabine River Authority, based on Geological Survey 15-minute quadrangle sheets, scale 1:62,500 with 20-foot contour intervals.

Capacity table (elevation, in feet, and total contents, in acre-feet)

166.5	3,550,000	170.0	4,123,000
168.0	3,788,000	172.0	4,476,000

CONTENTS, IN THOUSANDS OF ACRE-Feet, AT 2400, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,898.00	3,915.00	4,026.00	4,202.00	4,237.00	4,166.00	4,381.00	4,390.00	4,244.00	4,120.00	4,133.00	3,832.00
2	3,895.00	3,930.00	4,052.00	4,187.00	4,273.00	4,140.00	4,368.00	4,413.00	4,239.00	4,121.00	4,128.00	3,829.00
3	3,915.00	3,927.00	4,031.00	4,234.00	4,241.00	4,128.00	4,379.00	4,431.00	4,241.00	4,132.00	4,125.00	3,827.00
4	3,920.00	3,920.00	4,029.00	4,283.00	4,211.00	4,165.00	4,386.00	4,440.00	4,239.00	4,192.00	4,125.00	3,824.00
5	3,922.00	3,915.00	4,068.00	4,264.00	4,185.00	4,154.00	4,382.00	4,440.00	4,229.00	4,216.00	4,114.00	3,811.00
6	3,918.00	3,955.00	4,089.00	4,267.00	4,213.00	4,152.00	4,375.00	4,449.00	4,218.00	4,214.00	4,099.00	3,783.00
7	3,913.00	3,939.00	4,161.00	4,275.00	4,189.00	4,170.00	4,395.00	4,467.00	4,207.00	4,211.00	4,085.00	3,762.00
8	3,918.00	3,934.00	4,109.00	4,275.00	4,168.00	4,192.00	4,395.00	4,458.00	4,187.00	4,200.00	4,069.00	3,751.00
9	3,932.00	3,956.00	4,121.00	4,299.00	4,147.00	4,189.00	4,386.00	4,451.00	4,184.00	4,200.00	4,054.00	3,740.00
10	3,903.00	3,955.00	4,152.00	4,313.00	4,135.00	4,190.00	4,382.00	4,431.00	4,175.00	4,200.00	4,044.00	3,740.00
11	3,898.00	3,956.00	4,155.00	4,317.00	4,139.00	4,187.00	4,381.00	4,409.00	4,166.00	4,195.00	4,029.00	3,721.00
12	3,895.00	3,955.00	4,180.00	4,304.00	4,130.00	4,192.00	4,377.00	4,417.00	4,145.00	4,192.00	4,029.00	3,705.00
13	3,895.00	3,953.00	4,178.00	4,336.00	4,114.00	4,202.00	4,373.00	4,420.00	4,147.00	4,194.00	4,027.00	3,689.00
14	3,890.00	3,955.00	4,171.00	4,326.00	4,103.00	4,204.00	4,372.00	4,426.00	4,150.00	4,187.00	4,019.00	3,672.00
15	3,898.00	3,958.00	4,171.00	4,299.00	4,111.00	4,223.00	4,400.00	4,409.00	4,167.00	4,192.00	4,014.00	3,661.00
16	3,908.00	3,958.00	4,184.00	4,267.00	4,099.00	4,220.00	4,404.00	4,395.00	4,180.00	4,190.00	4,002.00	3,666.00
17	3,912.00	3,948.00	4,189.00	4,255.00	4,099.00	4,214.00	4,395.00	4,375.00	4,185.00	4,192.00	3,985.00	3,661.00
18	3,913.00	4,023.00	4,170.00	4,249.00	4,101.00	4,230.00	4,384.00	4,355.00	4,190.00	4,189.00	3,965.00	3,652.00
19	3,915.00	4,001.00	4,154.00	4,241.00	4,082.00	4,220.00	4,352.00	4,355.00	4,187.00	4,164.00	3,953.00	3,639.00
20	3,915.00	3,999.00	4,148.00	4,239.00	4,082.00	4,288.00	4,336.00	4,355.00	4,180.00	4,152.00	3,953.00	3,623.00
21	3,922.00	4,004.00	4,137.00	4,232.00	4,096.00	4,297.00	4,301.00	4,350.00	4,175.00	4,162.00	3,937.00	3,610.00
22	3,917.00	3,978.00	4,132.00	4,216.00	4,101.00	4,315.00	4,364.00	4,336.00	4,175.00	4,155.00	3,925.00	3,597.00
23	3,920.00	4,006.00	4,116.00	4,199.00	4,094.00	4,319.00	4,368.00	4,311.00	4,162.00	4,147.00	3,920.00	3,587.00
24	3,912.00	3,999.00	4,111.00	4,227.00	4,101.00	4,336.00	4,355.00	4,310.00	4,164.00	4,143.00	3,906.00	3,587.00
25	3,906.00	3,992.00	4,103.00	4,200.00	4,103.00	4,342.00	4,352.00	4,302.00	4,162.00	4,126.00	3,900.00	3,589.00
26	3,895.00	4,007.00	4,099.00	4,195.00	4,118.00	4,324.00	4,326.00	4,288.00	4,143.00	4,106.00	3,903.00	3,579.00
27	3,906.00	3,999.00	4,109.00	4,180.00	4,114.00	4,348.00	4,364.00	4,269.00	4,138.00	4,092.00	3,903.00	3,581.00
28	3,905.00	4,014.00	4,130.00	4,171.00	4,111.00	4,379.00	4,368.00	4,271.00	4,145.00	4,082.00	3,895.00	3,564.00
29	3,905.00	4,016.00	4,140.00	4,199.00	4,118.00	4,390.00	4,372.00	4,262.00	4,142.00	4,081.00	3,879.00	3,552.00
30	3,906.00	4,025.00	4,170.00	4,230.00	4,118.00	4,386.00	4,366.00	4,266.00	4,135.00	4,135.00	3,859.00	3,573.00
31	3,912.00	-----	4,175.00	4,234.00	-----	4,381.00	-----	4,255.00	-----	4,143.00	3,846.00	-----
(+)	168.75	169.43	170.30	170.64	169.97	171.47	171.39	170.26	170.07	170.12	168.35	166.65
(*)	0	+114,000	+149,000	+59,000	-116,000	+263,000	-15,000	-111,000	-120,000	+8,000	-297,000	-273,000
MAX	3,932.00	4,026.00	4,189.00	4,336.00	4,273.00	4,390.00	4,404.00	4,467.00	4,244.00	4,216.00	4,133.00	3,832.00
MIN	3,890.00	3,915.00	4,026.00	4,171.00	4,082.00	4,128.00	4,301.00	4,255.00	4,135.00	4,082.00	3,846.00	3,552.00
CAL YR 1971.....	*	+13,000				MAX 4,199.00			MIN 3,887.00			
WTR YR 1972.....	*	-339,000				MAX 4,467.00			MIN 3,552.00			

† Elevation, in feet, at end of month.

* Change in contents, in acre-feet.

08025500 Bayou Toro near Toro, La.

LOCATION.--Lat 31°18'25", long 93°30'56", in SW¼ sec.20, T.4 N., R.11 W., Sabine Parish, near right bank on downstream side of bridge on State Highway 473, 0.2 mile upstream from Hamby Creek, 2.5 miles northeast of Toro, and 7.8 miles west of Hornbeck.

DRAINAGE AREA.--148 sq mi.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft above mean sea level (Louisiana Geodetic Survey bench mark; levels by Louisiana Department of Public Works).

AVERAGE DISCHARGE.--17 years, 111 cfs (10.18 inches per year, 80,420 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 1,900 cfs Jan. 4 (gage height, 13.00 ft); minimum, 2.7 cfs Nov. 7, 8, 9; minimum gage height, 2.75 ft July 2, 3.

Period of record: Maximum discharge, 31,200 cfs Apr. 9, 1968 (gage height, 25.73 ft) from rating curve extended above 18,000 cfs; minimum, 0.1 cfs Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft Sept. 30, Oct. 1, 1956.

REMARKS.--Records good. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISION.--WSP 1922: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	3.3	12	54	472	35	170	32	10	7.8	347	12
2	4.3	3.3	76	433	233	199	136	104	9.9	7.3	113	11
3	4.8	3.2	208	491	159	341	113	173	9.4	7.8	71	11
4	4.5	3.1	173	1,560	106	143	97	96	9.1	401	52	15
5	9.4	2.8	362	1,740	92	79	103	49	8.8	685	40	14
6	5.2	2.9	995	1,680	76	55	98	33	8.6	388	32	16
7	4.8	2.8	860	531	198	43	93	29	8.3	89	26	13
8	7.4	2.8	414	247	229	199	74	32	8.3	50	22	11
9	4.1	3.5	159	203	114	415	62	34	9.6	34	20	10
10	5.0	4.1	224	462	82	180	54	34	12	45	18	9.6
11	4.5	3.5	179	433	69	99	50	26	9.6	138	17	9.1
12	4.0	3.6	154	230	116	63	48	36	9.4	54	16	9.1
13	3.9	4.2	371	169	228	51	45	132	9.1	52	15	9.6
14	3.6	4.0	319	137	143	43	40	153	10	48	15	8.3
15	3.4	3.8	244	110	92	39	36	65	22	29	16	8.1
16	3.8	2.6	330	91	73	95	44	39	83	22	18	9.1
17	5.2	3.4	662	83	62	71	92	28	281	20	15	29
18	5.6	9.4	614	90	54	53	66	22	141	25	14	53
19	9.2	14	303	90	47	37	40	19	49	21	14	23
20	8.2	40	165	135	40	50	32	18	28	18	13	12
21	6.7	28	121	215	37	1,500	30	15	20	16	12	9.4
22	5.8	17	94	169	35	1,260	30	15	14	16	11	7.3
23	5.2	14	77	124	35	635	29	14	14	15	192	6.9
24	4.7	14	66	101	34	338	29	13	13	14	296	6.9
25	4.3	11	62	84	33	456	24	12	12	14	83	7.6
26	4.1	11	59	71	31	394	22	12	12	12	43	7.1
27	3.9	11	54	63	28	250	24	12	11	12	34	7.8
28	3.7	10	52	60	26	437	56	13	9.9	11	25	10
29	3.6	13	49	122	28	981	36	15	8.8	12	19	12
30	3.4	12	46	1,040	-----	752	32	12	8.6	858	16	14
31	3.4	-----	45	1,120	-----	282	-----	11	-----	1,090	14	-----
TOTAL	153.9	241.3	7,548	12,138	2,962	9,626	1,804	1,297	866.4	4,211.9	1,639	381.9
MEAN	4.96	8.71	243	392	102	311	60.1	41.8	28.9	136	52.9	12.7
MAX	9.4	40	995	1,740	472	1,500	179	173	281	1,090	347	53
MIN	3.4	2.8	12	54	26	35	22	11	8.3	7.3	11	6.9
CFSM	.03	.06	1.64	2.65	.69	2.10	.41	.28	.20	.92	.36	.09
IN.	.04	.07	1.90	3.05	.74	2.42	.45	.33	.22	1.06	.41	.10
AC-FT	305	518	14,970	24,080	5,880	19,090	3,580	2,570	1,720	8,350	3,250	758

CAL YR 1971 TOTAL 15,909.6 MEAN 43.6 MAX 995 MIN 2.7 CFSM .29 IN 4.00 AC-FT 31,560
WTR YR 1972 TOTAL 42,839.4 MEAN 117 MAX 1,740 MIN 2.8 CFSM .79 IN 10.78 AC-FT 85,070

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	1245	10.59	1,220	3-21	1300	12.47	1,740
1- 4	2045	13.00	1,900	7-30	1545	12.35	1,700
1-30	1830	10.82	1,280				

08028000 Bayou Anacoco near Rosepine, 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, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 miles northwest of Rosepine.

DRAINAGE AREA.--365 sq mi.

PERIOD OF RECORD.--October 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft above mean sea level, unadjusted. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--21 years, 395 cfs (14.70 inches per year, 286,200 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 6,010 cfs Jan. 7 (gage height, 20.33 ft); minimum daily, 12 cfs Nov. 16-17.

Period of record: Maximum discharge, 64,300 cfs May 19, 1953 (gage height, 28.38 ft); minimum, 5.5 cfs Sept. 30, 1956.

REMARKS.--Records good. 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. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS.--WSP 2122: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	15	51	236	1,860	168	393	57	26	37	1,240	20
2	21	15	668	692	1,360	630	323	161	25	31	830	19
3	22	14	1,500	1,020	978	1,370	266	215	23	28	612	20
4	188	14	734	1,730	724	1,030	241	146	22	58	463	24
5	250	14	473	3,010	545	669	249	117	21	318	306	37
6	260	13	2,670	4,610	475	476	213	93	21	525	219	32
7	177	13	2,820	5,080	653	365	188	154	20	350	155	25
8	149	12	2,670	3,100	562	415	178	685	20	126	119	21
9	139	13	2,120	1,700	430	400	168	300	19	95	91	18
10	63	15	1,440	2,450	363	358	134	178	21	279	76	17
11	25	16	1,040	2,690	326	311	123	129	20	631	66	17
12	20	15	778	2,090	479	275	114	129	22	567	73	17
13	17	14	758	1,220	578	245	108	284	33	409	60	16
14	17	13	702	880	459	223	102	274	74	275	65	14
15	16	13	669	655	375	237	96	200	422	216	73	14
16	32	12	904	481	345	474	110	152	481	174	115	13
17	106	12	1,250	380	297	467	114	117	941	158	89	17
18	62	100	1,560	338	208	388	90	95	1,280	319	61	25
19	41	504	1,420	318	274	319	84	91	1,080	472	46	21
20	32	249	1,190	1,200	232	266	75	66	682	234	38	17
21	29	96	912	2,200	203	1,100	69	53	443	152	33	15
22	25	52	679	2,140	188	1,430	68	45	319	130	29	17
23	22	45	512	1,250	184	1,100	66	38	236	110	51	20
24	20	53	407	809	174	804	57	40	176	90	49	21
25	19	46	347	636	169	1,460	56	82	135	72	34	30
26	18	38	299	482	163	1,530	51	54	104	64	35	29
27	17	34	267	385	171	1,060	43	39	81	55	42	37
28	17	32	244	346	146	768	87	35	65	44	37	95
29	16	32	228	329	141	655	83	33	53	40	31	88
30	16	29	210	809	-----	616	65	30	44	125	28	63
31	15	-----	215	1,880	-----	493	-----	23	-----	743	22	-----
TOTAL	1,872	1,544	29,728	45,236	13,152	20,072	4,023	4,111	6,909	6,927	5,188	818
MEAN	60.4	51.5	959	1,459	454	647	134	133	230	223	167	27.3
MAX	260	504	2,820	5,080	1,860	1,530	393	685	1,280	743	1,240	25
MIN	15	12	51	236	141	168	43	29	19	28	22	13
CFSM	.17	.14	2.63	4.00	1.24	1.77	.37	.36	.63	.61	.46	.07
IN.	.19	.16	3.03	4.61	1.34	2.05	.41	.42	.70	.71	.53	.08
AC-FT	3,710	3,060	58,970	89,730	26,090	39,810	7,980	9,150	13,700	13,740	10,290	1,620
CAL YR 1971	TOTAL 73,137	MEAN 200	MAX 2,820	MIN 11	CFSM .55	IN 7.45	AC-FT 145,100					
WTR YR 1972	TOTAL 139,580	MEAN 381	MAX 5,080	MIN 12	CFSM 1.04	IN 14.23	AC-FT 276,900					

08028200 Bayou Anacoco near Knight, La.

LOCATION.--Lat 30°52'14", long 93°30'38", in SE¼ sec.20, T.2 S., R.11 W., on line between Beauregard-Vernon Parish, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 miles southwest of Knight, and 5.2 miles upstream from mouth.

DRAINAGE AREA.--425 sq mi.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1956-64. August 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 68.61 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 4,380 cfs Jan. 8 (gage height, 17.95 ft); minimum, 56 cfs June 11, 12 (gage height, 6.20 ft).

Period of record: Maximum discharge, 4,380 cfs Jan. 8, 1972 (gage height, 17.95 ft); minimum, 11 cfs June 7, 1971 (gage height, 5.62 ft).

REMARKS.--Records good. 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 the flow of bayou is sufficient to dilute effluent from mill. Record of chemical analyses and water temperatures for the water year 1972 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	60	190	315	2,120	266	558	162	88	134	1,100	79
2	91	60	201	668	1,800	440	472	201	93	120	1,040	77
3	74	66	1,940	1,060	1,320	1,220	411	353	95	108	823	76
4	91	65	1,280	1,570	997	1,340	375	279	92	115	617	76
5	84	65	677	2,900	791	881	371	233	83	246	471	106
6	227	65	3,080	3,340	665	680	357	209	80	481	367	121
7	301	65	3,410	3,960	773	550	331	222	80	472	332	96
8	238	65	2,920	4,260	788	515	303	827	77	366	304	95
9	221	70	2,650	3,020	635	623	295	671	68	293	274	76
10	203	76	1,900	2,420	535	502	268	351	59	268	247	75
11	124	78	1,340	2,960	482	455	245	273	58	532	228	74
12	76	83	1,010	2,760	563	415	235	268	57	786	209	72
13	86	76	884	1,820	749	395	223	347	65	674	197	71
14	94	73	863	1,180	650	363	214	393	98	482	183	71
15	78	70	803	899	528	345	196	337	415	371	174	70
16	87	60	924	707	482	442	203	281	767	336	174	69
17	133	69	1,200	558	439	614	209	235	761	305	204	71
18	174	90	1,640	490	411	520	198	201	1,220	304	185	74
19	130	350	1,620	455	405	435	186	184	1,450	484	152	76
20	113	462	1,420	1,170	371	387	172	169	983	441	129	73
21	98	267	1,150	2,370	341	851	164	152	632	331	114	71
22	93	184	872	2,450	321	1,530	166	139	461	293	104	75
23	97	158	692	1,930	313	1,390	158	116	368	262	130	75
24	93	150	548	1,140	277	1,030	150	109	331	240	170	75
25	78	146	472	863	263	1,470	139	122	299	220	140	84
26	76	132	421	719	255	1,840	139	154	265	198	117	91
27	74	122	383	569	252	1,450	134	130	223	169	107	98
28	73	118	353	515	252	1,030	150	118	188	150	110	115
29	74	135	335	492	248	854	193	113	168	137	102	160
30	74	123	317	689	-----	788	176	100	150	193	90	167
31	69	-----	311	1,770	-----	689	-----	88	-----	423	84	-----
TOTAL	3,649	3,639	36,506	50,019	18,026	24,300	7,391	7,537	9,774	9,934	8,678	2,599
MEAN	118	121	1,178	1,614	622	784	246	243	326	320	280	86.6
MAX	301	462	3,410	4,260	2,120	1,840	558	827	1,450	786	1,100	167
MIN	69	65	190	315	248	266	134	88	57	108	84	69
CFSM	.28	.28	2.77	3.80	1.46	1.84	.58	.57	.77	.75	.66	.20
IN.	.32	.32	3.20	4.38	1.58	2.13	.65	.66	.86	.87	.76	.23
AC-FT	7,240	7,220	72,410	99,210	35,750	48,200	14,660	14,950	19,390	19,700	17,210	5,160
CAL YR 1971	TOTAL 106,554	MEAN 292	MAX 3,410	MIN 44	CFSM .69	IN 9.33	AC-FT 211,300					
WTR YR 1972	TOTAL 182,052	MEAN 497	MAX 4,260	MIN 57	CFSM 1.17	IN 15.93	AC-FT 361,100					

08028500 Sabine River near Bon Wier, Tex.

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, La.-Newton County, Tex. State line, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mile upstream from Quicksand Creek, 0.8 mile upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 miles east of Bon Wier, 2.4 miles upstream from Caney Creek, and at mile 97.7.

DRAINAGE AREA.--8,229 sq mi.

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage-height records collected in this vicinity since 1913 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 46.42 ft above mean sea level. Prior to July 8, 1931, nonrecording gage at site 0.8 mile downstream at same datum. July 8, 1931, to Oct. 15, 1958, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--43 years (1923-66), 6,846 cfs (4,960,000 acre-ft per year), prior to completion of Toledo Bend Reservoir; 6 years (1966-72), 3,995 cfs (2,894,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 24,500 cfs Jan. 5 (gage height, 17.26 ft); minimum daily, 320 cfs (estimated) Nov. 6-9, 14-16.

Period of record: Maximum discharge, 115,000 cfs May 19, 1953 (gage height, 25.70 ft); minimum daily, 134 cfs Nov. 9, 1966.

Maximum stage since at least 1833, 30.5 ft Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 26 ft. Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information by local residents.

REMARKS.--Records fair. Flow regulated by Toledo Bend Reservoir (station 08025350) located 58.8 miles upstream.

REVISIONS (WATER YEARS).--WSP 1342: 1953. WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,380	563	535	13,700	9,100	1,240	2,190	809	2,610	3,190	5,580	6,600
2	1,840	430	1,380	15,700	9,490	2,200	1,600	3,590	866	1,360	6,040	6,000
3	1,880	380	7,170	17,100	10,900	3,730	1,330	3,750	626	727	5,490	2,520
4	1,230	340	9,690	19,100	12,700	4,260	1,170	1,760	567	2,250	5,050	890
5	1,570	330	4,720	23,600	12,600	3,090	1,060	1,120	536	2,500	4,710	3,500
6	780	320	8,780	23,700	12,500	2,050	1,030	877	2,440	1,800	4,910	6,400
7	750	320	11,100	22,800	12,600	1,640	984	795	4,840	1,300	4,680	7,000
8	563	320	7,200	21,800	12,900	1,480	934	1,840	6,440	1,000	5,090	7,200
9	490	320	5,020	20,200	13,400	1,660	859	5,590	6,740	850	6,700	7,200
10	479	330	3,840	20,000	14,500	1,710	814	7,310	4,420	800	7,100	6,000
11	448	350	2,970	20,300	12,700	1,740	767	7,400	4,260	850	7,000	2,430
12	415	340	2,290	19,700	9,230	1,440	736	7,450	2,830	800	6,400	3,370
13	379	330	1,990	18,500	9,090	1,240	712	7,790	2,320	1,000	2,500	6,500
14	362	320	4,760	17,100	9,060	1,140	687	4,000	3,600	900	1,050	7,100
15	367	320	9,830	16,500	7,270	1,080	659	900	4,370	800	2,910	7,200
16	379	320	11,000	16,100	8,100	2,890	651	5,500	3,010	750	4,700	6,400
17	425	330	13,400	15,800	8,400	3,250	676	7,500	2,050	750	6,400	1,930
18	547	390	16,300	15,700	7,100	2,400	653	9,190	2,280	2,000	7,200	882
19	544	500	17,100	15,800	3,150	1,800	630	10,200	2,340	4,500	7,000	3,410
20	469	600	17,000	17,000	1,870	1,340	5,240	3,920	3,470	6,610	6,000	7,050
21	426	500	16,600	19,600	1,550	3,080	8,600	1,200	3,780	6,560	2,530	7,440
22	406	450	15,500	19,400	1,440	6,550	4,070	790	3,580	6,210	3,700	7,500
23	396	2,000	12,900	18,500	1,370	5,370	2,110	3,140	3,100	4,580	7,000	5,880
24	345	4,030	12,700	17,500	1,310	3,910	2,120	5,780	3,870	2,500	7,400	1,790
25	377	2,400	14,800	14,400	1,230	3,690	4,640	5,840	2,190	4,000	7,500	832
26	364	889	15,500	9,640	1,190	5,010	3,320	5,770	940	6,340	6,500	3,240
27	358	578	15,500	7,750	1,140	3,880	1,030	5,640	3,620	6,020	2,300	7,080
28	357	509	14,400	7,130	1,110	2,800	844	6,380	5,740	5,380	936	7,470
29	1,110	477	11,800	7,940	1,130	2,310	1,330	3,230	4,520	4,370	3,410	7,630
30	2,200	467	9,040	8,890	-----	2,650	1,110	1,050	5,060	1,970	6,400	6,890
31	1,290	-----	9,800	7,430	-----	2,840	-----	2,920	-----	3,410	7,000	-----
TOTAL	24,006	19,753	304,615	508,380	209,530	83,470	52,556	133,031	97,017	86,077	161,186	155,334
MEAN	774	658	9,826	16,400	7,225	2,693	1,752	4,291	3,234	2,777	5,200	5,178
MAX	2,380	4,030	17,100	23,700	15,500	6,550	8,600	10,200	6,740	6,610	7,500	7,630
MIN	357	320	535	7,130	1,110	1,080	630	790	536	727	936	832
AC-FT	47,620	39,180	604,200	1,008M	415,600	165,600	104,200	263,900	192,400	170,700	319,700	308,100

CAL YR 1971 TOTAL 807,298 MEAN 2,212 MAX 17,100 MIN 320 AC-FT 1,601,000
WTR YR 1972 TOTAL 1,834,955 MEAN 5,014 MAX 23,700 MIN 320 AC-FT 3,640,000

08028700 Hoosier Creek near Merryville, La.

LOCATION.--Lat 30°43'32", long 93°33'36", in SE¼ sec.11, T.4 S., R.12 W., Beauregard Parish, near right bank on downstream side of bridge on State Highway 389, 2 miles upstream from Pullem Branch, and 2 miles south of Merryville.

DRAINAGE AREA.--13.1 sq mi.

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 60.53 ft above mean sea level.

AVERAGE DISCHARGE.--17 years, 13.5 cfs (13.99 inches per year, 9,780 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 823 cfs Dec. 6 (gage height, 9.87 ft); minimum, 1.0 cfs Nov. 3, 5, 6, 7-8, 9 (gage height, 0.68 ft).

Period of record: Maximum discharge, 1,030 cfs Apr. 14, 1967 (gage height, 11.07 ft); minimum, 0.80 cfs Sept. 14, 15, 16, 17, 18, 19, 1965.

REMARKS.--Records good, except those for period of no gage-height record which are fair. Records of water temperatures for the water year 1972 are published in Part 2 of this report.

REVISIONS.--WSP 1732: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.1	5.4	7.4	10	5.9	7.2	2.8	2.0	1.6	4.2	2.3
2	1.4	1.1	120	27	8.5	24	6.5	4.2	2.0	1.6	2.8	2.2
3	1.4	1.1	154	21	7.7	26	6.1	6.5	2.0	1.6	3.2	2.2
4	1.4	1.1	23	27	7.3	9.9	5.9	3.6	1.9	7.6	2.8	2.2
5	1.4	1.0	49	94	7.0	7.4	5.8	2.7	1.9	13	2.3	2.6
6	1.4	1.1	610	34	8.0	6.3	5.8	2.5	1.8	3.7	2.2	3.2
7	1.5	1.0	150	16	20	5.9	5.7	2.8	1.8	2.5	2.0	2.5
8	1.4	1.0	35	12	12	6.2	5.4	13	1.8	7.2	2.0	2.3
9	1.4	1.2	20	11	9.0	7.3	5.0	6.3	1.8	4.2	2.0	2.2
10	1.3	1.3	15	23	8.0	6.3	4.8	3.4	1.8	2.7	2.0	2.1
11	1.3	1.4	13	18	7.4	5.7	4.8	2.9	1.8	7.8	2.0	2.0
12	1.3	1.2	12	12	17	5.4	4.8	4.1	1.8	6.2	2.0	2.0
13	1.3	1.2	11	9.2	11	5.3	4.6	11	1.9	3.0	2.0	2.0
14	1.3	1.2	10	7.8	8.5	5.2	4.4	5.7	2.0	2.6	2.0	2.0
15	1.4	1.1	30	7.0	7.5	5.3	4.2	3.4	2.4	2.5	3.9	2.0
16	1.8	1.1	35	6.5	7.0	21	4.4	2.7	4.8	2.5	8.1	1.9
17	2.9	1.1	21	6.2	6.6	22	4.5	2.4	3.2	3.0	3.7	1.9
18	2.9	6.6	26	6.0	6.8	9.1	4.1	2.3	2.4	3.5	2.6	1.9
19	2.1	21	13	7.0	6.3	6.7	4.0	2.2	2.1	2.8	2.5	2.0
20	1.6	5.3	10	40	5.7	5.9	3.9	2.2	2.0	2.6	2.5	2.0
21	1.4	2.4	8.4	20	5.5	38	5.1	2.1	1.8	2.7	2.3	2.0
22	1.4	1.8	7.5	11	5.4	31	24	2.1	1.8	3.8	2.1	2.0
23	1.3	3.6	7.0	9.0	5.4	11	8.3	2.0	1.8	3.4	16	2.4
24	1.3	8.6	6.6	8.0	5.4	9.7	3.7	2.0	1.8	2.6	27	2.3
25	1.2	3.6	6.4	7.4	5.3	206	2.8	2.0	1.8	2.4	9.1	5.0
26	1.2	2.3	6.4	7.0	5.2	62	2.6	2.0	1.8	2.3	6.8	3.9
27	1.2	1.8	6.2	6.6	4.9	17	2.5	2.0	1.7	2.2	3.7	4.2
28	1.2	2.8	6.2	6.4	4.8	13	3.5	3.2	1.6	2.2	2.9	6.3
29	1.2	12	5.9	7.0	4.9	14	4.4	2.8	1.6	2.2	2.6	3.7
30	1.2	5.5	5.9	25	-----	10	3.2	2.3	1.6	6.0	2.4	3.0
31	1.2	-----	6.0	20	-----	8.3	-----	2.2	-----	9.3	2.3	-----
TOTAL	45.7	96.6	1,434.9	519.5	228.1	516.8	152.0	111.4	60.5	121.3	134.0	78.3
MEAN	1.47	3.22	46.3	16.8	7.87	19.9	5.40	3.59	2.02	3.91	4.32	2.61
MAX	2.9	21	610	94	20	206	24	13	4.8	13	27	6.3
MIN	1.2	1.0	5.4	6.0	4.8	5.2	2.5	2.0	1.6	1.6	2.0	1.9
CFSM	.11	.25	3.53	1.28	.60	1.52	.41	.27	.15	.30	.33	.20
IN.	.13	.27	4.07	1.48	.65	1.75	.46	.32	.17	.34	.38	.22
AC-FT	91	192	2,850	1,030	452	1,220	321	221	120	241	266	155

CAL YR 1971 TOTAL 2,911.3 MEAN 7.28 MAX 610 MIN 1.0 CFSM .61 IN 8.27 AC-FT 5,770
WTP YR 1972 TOTAL 3,609.1 MEAN 9.86 MAX 610 MIN 1.0 CFSM .75 IN 10.25 AC-FT 7,160

PEAK DISCHARGE (BASE, 400 CFS) NOTE.--No gage-height record Jan. 15 to Feb. 17.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	0815	9.87	823	3-25	1345	8.02	426

08030500 Sabine River near Ruliff, Tex.

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, La.-Newton County, Tex. State line, at downstream side of bridge on Texas State Highway 12, 2.4 miles north of Ruliff, 4.2 miles upstream from the Kansas City Southern Railway Co. bridge, 4.5 miles downstream from Cypress Creek, and at mile 40.2.

DRAINAGE AREA.--9,329 sq mi.

PERIOD OF RECORD.--October 1924 to current year.

GAGE.--Water-stage recorder and Water Quality Monitor System. Datum of gage is 4.08 ft above mean sea level. Prior to Mar. 1, 1941, nonrecording gage at Kansas City Southern Railway Co. bridge, 4.2 miles downstream and at datum 2.02 ft lower. Mar. 1, 1941, to Dec. 8, 1948, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--42 years (1924-66), 8,422 cfs (6,102,000 acre-ft per year), prior to completion of Toledo Bend Reservoir; 6 years (1966-72), 5,345 cfs (3,872,000 acre-ft per year).

EXTREMES.--Current year: Maximum discharge, 27,400 cfs Jan. 9 (gage height, 14.78 ft); minimum daily, 387 cfs Nov. 9.

Period of record: Maximum discharge, 121,000 cfs May 22, 1953 (gage height, 19.98 ft); minimum, 270 cfs Sept. 27-30, Oct. 1-3, 17-20, 1956.

Maximum stage since at least 1835, 22.2 ft in May or June 1884 (adjusted to present site and datum on basis of slope of flood of June 8, 9, 1950); flood of Apr. 26-29, 1913, reached a stage of 19.5 ft, present site and datum, from information by local resident.

REMARKS.--Records good. Flow partly regulated by Toledo Bend Reservoir (station 08025350) 116.3 miles upstream. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SFP
1	1,930	1,760	953	16,100	13,500	1,890	4,180	2,110	2,380	4,690	3,390	6,290
2	2,980	1,150	1,180	14,900	13,400	2,650	3,780	2,060	3,200	4,430	4,360	7,030
3	2,120	718	3,240	14,600	13,300	4,010	3,090	3,380	2,230	2,950	5,400	7,080
4	2,240	534	6,420	16,100	13,300	5,300	2,520	5,100	1,310	1,680	5,840	5,830
5	1,690	465	9,320	17,900	13,500	5,920	2,160	4,510	993	1,670	5,690	3,200
6	1,760	432	15,000	19,500	14,300	5,630	1,920	3,240	881	3,390	5,340	2,490
7	1,480	410	19,300	22,500	15,000	4,460	1,770	2,210	1,210	3,440	5,120	4,840
8	1,180	390	20,800	25,700	15,700	3,430	1,690	1,840	3,290	2,770	5,080	6,350
9	1,080	387	22,100	27,100	16,100	2,790	1,600	2,280	4,680	2,320	4,950	7,210
10	912	394	22,000	26,100	16,100	2,570	1,510	4,170	5,650	1,890	5,660	7,660
11	745	398	19,000	24,200	16,100	2,580	1,430	6,000	5,830	1,550	6,740	7,790
12	664	405	14,900	22,900	16,600	2,550	1,350	7,570	4,930	1,470	7,480	6,570
13	592	422	10,500	22,600	16,800	2,370	1,290	8,660	4,300	1,650	7,480	4,310
14	524	427	7,190	22,400	16,000	2,140	1,250	9,060	2,940	1,920	6,560	5,210
15	492	420	6,060	21,100	14,800	2,040	1,200	8,760	3,240	1,930	3,230	6,500
16	507	406	7,720	19,900	13,400	2,910	1,160	6,490	4,040	1,720	2,420	7,340
17	843	395	10,300	19,500	11,900	4,000	1,110	4,860	4,180	1,540	3,750	7,650
18	915	480	12,400	18,900	11,000	5,140	1,090	5,850	3,140	1,480	5,100	6,060
19	849	817	14,300	18,700	10,500	5,120	1,090	7,060	2,660	1,550	6,560	3,230
20	1,050	892	16,200	20,400	9,010	4,180	1,060	8,180	2,610	2,760	7,880	2,510
21	988	1,200	17,800	23,100	5,940	4,180	2,330	8,640	2,920	4,380	7,480	4,840
22	795	1,420	19,000	24,900	3,790	5,250	5,240	6,360	3,450	5,840	6,400	6,390
23	664	1,190	19,400	24,900	2,850	7,200	6,380	3,370	3,730	6,530	4,290	7,320
24	593	1,300	19,500	24,400	2,480	8,610	5,000	2,430	3,480	6,290	5,360	7,810
25	543	3,070	19,000	23,300	2,290	8,740	3,640	4,190	3,490	4,970	6,940	6,260
26	506	3,600	18,000	21,600	2,160	7,610	3,490	5,290	3,290	3,690	7,980	3,320
27	476	2,300	17,400	19,900	2,040	6,930	4,490	5,730	2,010	4,840	8,350	2,600
28	454	1,400	17,400	18,000	1,940	6,780	3,320	5,900	1,910	5,730	6,920	5,030
29	438	1,190	17,700	15,300	1,860	6,040	2,110	6,050	4,060	5,950	3,790	6,740
30	474	1,070	17,900	13,900	-----	5,050	1,910	5,840	4,660	5,570	2,740	7,970
31	1,390	-----	17,500	13,700	-----	4,370	-----	3,690	-----	4,250	4,830	-----
TOTAL	31,874	29,442	439,483	634,100	305,660	142,440	74,160	160,880	96,694	104,840	173,110	173,430
MEAN	1,028	981	14,180	20,450	10,540	4,595	2,472	5,190	3,223	3,382	5,584	5,781
MAX	2,980	3,600	22,100	27,100	16,800	8,740	6,380	9,060	5,830	6,530	8,350	7,970
MIN	438	387	953	13,700	1,860	1,890	1,060	1,840	881	1,470	2,420	2,490
AC-FT	63,220	58,400	871,700	1,258M	606,300	242,500	147,100	319,100	191,800	208,000	343,400	344,000
CAL YR 1971	TOTAL 1,142,083		MEAN 3,129		MAX 22,100		MIN 387		AC-FT 2,265,000			
WTR YR 1972	TOTAL 2,366,113		MEAN 6,465		MAX 27,100		MIN 387		AC-FT 4,693,000			

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 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 three tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of peak elevations at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a fourth table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during the periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of a stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Sabine River basin						
*08023270	Bull Bayou near Hunter, La. (station discontinued).	Lat 31°53'10", long 93°52'30", De Soto Parish, at bridge on State Highway 174, 1.1 miles southeast of Hunter, and 3.2 miles upstream from mouth.	8.54	1963-72	11-17-71 2-16-72	0 3.42
08024070	San Jose Creek at Many, La. (station discontinued).	Lat 31°33'20", long 93°28'15", Sabine Parish, at bridge on U.S. Highway 171, 1.1 miles southeast of Many Post Office, and 3.2 miles upstream from Harpoon Bayou.	6.82	1958, 1963-72	11-16-71 2-15-71	.15 5.34
08025606	Bayou Toro near Toledo Bend, near Toro, La.	Lat 31°12'12", long 93°32'39", Sabine Parish, at bridge on Toledo Bend Dam road, 1.8 miles upstream from mouth, and 5.2 miles south of Toro.	a193	1966-72	10- 4-71 5-11-72 9- 8-72 9-12-72	7.10 75.8 17.3 11.0
08025620	Mill Creek near Toro, La. (station discontinued).	Lat 31°11'27", long 93°21'50", Vernon Parish, 0.1 mile below bridge on parish road, 1.5 miles upstream from mouth, and 6.3 miles south of Toro.	b2.08	1964-72	2-16-72	4.12
08025800	Yellow Branch near Burr Ferry, La. (station discontinued).	Lat 31°06'05", long 93°29'45", Vernon Parish, at bridge on State Highway 111, 2.0 miles upstream from mouth, 2.4 miles north of Burr Ferry.	2.08	1963-72	2-17-72	2.33
08026300	Mill Creek near Evans, La. (station discontinued).	Lat 30°56'40", long 93°30'25", Vernon Parish, at bridge on State Highway 111, 1.4 miles upstream from mouth, 3.1 miles south of Evans.	6.30	1963-72	2-17-72	4.56
08030400	Bess Branch near Starks, La. (station discontinued).	Lat 30°22'50", long 93°41'55", Calcasieu Parish, at bridge on State Highway 109, 2.4 miles upstream from mouth, and 5.0 miles northwest of Starks.	8.77	1963-72	2-18-72	5.40.

* Also a crest-stage partial-record station.

a Approximately.

b Includes unnamed tributary.

Crest-stage partial-record stations

The following table contains annual maximum discharge 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.

Annual maximum discharge at crest-stage partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pearl River basin							
02490113	Bogue Lusa Creek at State Highway 21, at Bogalusa, La.	Lat 30°46'52", long 89°51'07", Washington Parish, at bridge 1.4 miles southeast of Bogalusa water tower.	--	1969-72	5- 8-72	a77.35	(†)
02490130	Coburn Creek at Bogalusa, La.	Lat 30°47'46", long 89°50'46", Washington Parish, at bridge on State Highway 21, and 1.0 miles southeast of Bogalusa water tower.	b7.9	1969-72	5- 8-72	4.11	(†)
02491200	Silver Creek near Clifton, La.	Lat 30°55'30", long 90°14'30", Washington Parish, at bridge on State Highway 38, and 3.6 miles west of Clifton.	50.1	1966-72	12- 6-72	8.84	(†)
02491350	Hays Creek near Franklinton, La.	Lat 30°53'16", long 90°11'28", Washington Parish, at bridge on State Highway 25, and 3.4 miles northwest of Franklinton water tower.	42.2	1966-72	5- 8-72	12.95	(†)
02491700	Lawrence Creek near Franklinton, La.	Lat 30°51'40", long 90°06'55", Washington Parish, at bridge on State Highway 10, and 2.0 miles east of Franklinton.	44.2	1964-72	5- 8-72	11.57	(†)
Red River basin							
07346950	Kelly Bayou near Ida, La.	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 miles east of Ida.	b73	1969-72	12-31-71	38.41	(†)
07348725	Indian Creek at Shongaloo, La.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 mile southeast of Shongaloo.	46.4	1966-72	1- 4-72	41.98	(†)
07350990	Boggy Bayou at Woolworth Road, near Keithville, La.	Lat 32°22'35", long 93°54'00", Caddo Parish, at bridge 4.8 miles northwest of Keithville.	--	1963-72	1- 4-72	40.33	(†)
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 miles south of Shreveport.	27.1	1960-72	7-29-72	163.97	(†)
07351500	Cypress Bayou near Keithville, La.	Lat 32°18'00", long 93°49'40", Caddo Parish, at bridge on U.S. Highway 171, and 2.0 miles south of Keithville.	b66	1939-57†, 1958-72	1- 4-72	9.94	1,730
07351670	Rambin Bayou near Frierson, La.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.5 miles south of Frierson.	59.6	1966-72	1- 4-72	12.13	(†)
07351700	Bayou Na Bonchasse near Mansfield, La.	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 miles north of Mansfield.	19.5	1957-68†, 1969-72	1- 4-72	11.62	866
07351980	Saline Bayou near Bienville, La.	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on parish road 1.0 mile upstream from Bear Creek, and 4.0 miles northeast of Bienville.	--	1966-72	1- 3-72	43.85	1,000
07352295	Black Lake Creek at Gibsland, La.	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mile north of Gibsland.	--	1968-72	1- 4-72	45.33	(†)
07352500	Black Lake Bayou near Castor, La.	Lat 32°15'40", long 93°12'50", Red River Parish, at bridge on State Highway 4, and 2.8 miles northwest of Castor.	423	1941-57†, 1958-72	1- 5-72	9.09	2,380
07352730	Antoine Creek near Ashland, La.	Lat 32°05'50", long 93°06'10", Red River Parish, at bridge on State Highway 153, and 3.0 miles south of Ashland.	17.7	1964-72	1- 4-72	44.85	(†)
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 mile north of Kisatchie.	--	1966-72	12-16-71	20.49	(†)

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Add 70.29 ft to gage heights prior to 1972.

b Approximately.

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Red River basin--Continued							
07364740	Bayou de Loutre near Farmerville, La.	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 miles north of Farmerville	--	1966-72	9- 5-72	43.78	(†)
07364870	Sugar Creek near Arcadia, La.	Lat 32°41'20", long 92°51'30", Lincoln Parish, at bridge on State Highway 146, and 10.3 miles northeast of Arcadia.	b47	1966-72	5- 2-72	43.27	(†)
07366000	Corney Bayou near Lillie, La.	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 miles south of Lillie.	462	1941-57† 1958-72	5- 7-71 1- 4-72	12.31 14.48	e2,730 5,050
07366420	Bayou Choudrant near Calhoun, La.	Lat 32°32'30", long 92°22'45", Ouachita Parish, at bridge on State Highway 151, and 2.5 miles northwest of Calhoun.	--	1966-72	2-10-66 -31-67 4- 8-68 11-30-68 5- 2-70 1- 4-72	44.72 41.05 43.40 42.05 41.16 42.06	d9,240 d1,200 d4,600 d1,900 d1,250 1,900
07370530	Black Bayou at Kelly, La.	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mile southeast of Kelly.	--	1966-72	12- 3-71	39.33	2,060
07370575	Caney Creek near Chatham, La.	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 miles southwest of Chatham.	--	1966-72	1- 4-72	43.83	(†)
07370660	Flat Creek near Olla, La.	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 miles downstream from Fish Creek, and 10.2 miles northwest of Olla.	--	1966-72	12- 3-71	48.37	(†)
07370750	Chickasaw Creek near Olla, La.	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 miles southeast of Olla, and 3.5 miles upstream from Tarver Creek.	47.6	1954-72	12- 3-71	38.80	1,140
07370820	Dugdemona River near Quitman, La.	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 miles west of Quitman.	117	1964-72	1- 5-72	41.39	1,870
07370840	Choctaw Creek near Hodge, La.	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 miles northwest of Hodge.	--	1966-72	5-31-67 11-30-68 5- 1-70 9- 1-71 1- 4-72	42.74 42.62 42.60 42.05 43.31	e735 e680 e680 e490 (†)
07370930	Cypress Creek at Quitman, La.	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mile southeast of Quitman.	46.0	1966-72	1-30-72	41.55	2,900
07370980	Little Dugdemona River near Hodge, La.	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 miles east of Hodge.	b20	1964-72	1- 4-72	44.79	760
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 miles southeast of Joyce.	b24	1964-72	3-31-65 4-14-67 12- 6-68 5- 3-70 5-11-71 1- 4-72	43.07 42.40 42.93 42.15 42.49 44.15	e1,160 e680 e980 d620 d720 2,450
07372900	Dyson Creek near Pollock, La.	Lat 31°32'20", long 92°25'00", Grant Parish, at bridge on parish road, 0.8 mile upstream from mouth, and 1.6 miles northwest of Pollock.	b12	1964-72	12- 6-71	40.04	(†)
Mississippi River Delta							
07375170	Bogue Falaya at Covington, La.	Lat 30°29'58", long 90°05'04", St. Tammany Parish, at bridge on State Highway 437, and 1.0 mile northeast of Covington.	88.2	1964-72	5- 8-72	18.73	8,300
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 92°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mile north of Abita Springs.	--	1966-72	5- 8-72	23.38	(†)

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

b Approximately.

c Corrected.

d Revised.

e Not previously published.

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Mississippi River Delta--Continued							
07375307	Terry's Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.5 miles northeast of Kentwood.	--	1966-72	12- 7-71	11.37	(†)
07375463	Chappeeela Creek near Husser, La.	Lat 30°39'35", long 90°18'45", Tangipahoa Parish, at bridge on State Highway 445, and 1.9 miles southeast of Husser.	--	1966-72	12- 7-71	26.52	5,150
07375480	Chappeeela Creek southeast of Loranger, La.	Lat 30°36'22", long 90°19'56", Tangipahoa Parish, at bridge on State Highway 40, and 4.5 miles southeast of Loranger.	91.0	1964-72	12- 7-71	14.09	(†)
07375600	Washley Creek near Robert, La.	Lat 30°30'20", long 90°18'30", Tangipahoa Parish, at bridge on U.S. Highway 190, and 2.0 miles east of Robert.	25.3	1951-72	5- 8-72	11.72	(†)
07375800	Tickfaw River at Liverpool, La.	Lat 30°55'47", long 90°40'41", St. Helena Parish, at bridge on State Highway 38, and 1.0 mile north of Liverpool.	89.7	1956-68†, 1969-72	12- 7-71	11.19	6,460
07376290	Blood River near Springfield, La.	Lat 30°26'19", long 90°36'37", Livingston Parish, at bridge on State Highway 42, and 3.7 miles northwest of Springfield.	26.6	1964-72	5- 8-72	16.28	1,770
07376520	Little Natalbany River at Albany, La.	Lat 30°30'15", long 90°34'40", Livingston Parish, at bridge on U.S. Highway 190, and 0.3 mile east of Albany.	40.6	1966-72	12- 7-71	25.45	3,780
07376600	Ponchatoula Creek at Natalbany, La.	Lat 30°33'40", long 90°28'55", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.0 mile north of Natalbany.	13.8	1951-72	12- 7-71	11.65	(†)
07377190	Sandy Creek southeast of Clinton, La.	Lat 30°50'05", long 90°57'50", East Feliciana Parish, at bridge on State Highway 63, and 5.9 miles southeast of Clinton.	--	1966-72	12- 6-71	11.03	(†)
07377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mile east of Magnolia.	884	1949-72	12- 6-71	46.42	31,300
07377700	Redwood Creek near Slaughter, La.	Lat 30°43'44", long 91°06'54", East Feliciana Parish, at bridge on State Highway 412, and 2.0 miles northeast of Slaughter.	41.1	1966-68†, 1969-72	12- 6-71	17.93	3,370
07380160	Middle Colyell Creek near Walker, La.	Lat 30°29'45", long 90°50'30", Livingston Parish, at bridge on U.S. Highway 190, and 1.3 miles east of Walker.	20.3	1951-72	5- 8-72	4.04	(†)
07381413	Intracoastal Waterway tributary near Port Allen, La.	Lat 30°26'42", long 91°13'53", West Baton Rouge Parish, on Interstate Highway 10, 0.2 mile upstream from mouth, and 1.4 miles southwest of Port Allen.	9.08	1971-72	5- 8-72	8.31	(†)
		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 mile upstream from Mulberry Creek, and 8.5 miles east of Oberlin.	43.9	1964-72	12- 6-71	132.28	1,760
Calcasieu River basin							
08013800	Little Sixmile Creek near Pitkin, La.	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mile upstream from Spurlock Branch, and 5.0 miles west of Pitkin.	10.4	1954-72	12- 6-71	13.29	(†)
08013950	Big Brushy Creek near Pitkin, La.	Lat 30°54'55", long 92°53'30", Vernon Parish, at bridge on State Highway 10, and 3.0 miles southeast of Pitkin, and 3.1 miles upstream from mouth.	34.4	1965-72	12- 6-71	17.52	(†)
08014000	Sixmile Creek near Sugartown, La.	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 10, and 5.5 miles east of Sugartown, and 6.6 miles upstream from mouth.	171	1956-65†, 1966-72	12- 7-71	15.74	11,000

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

f Add 20.88 ft to gage heights prior to 1972.

Annual maximum discharge at crest-stage partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Calcasieu River basin--Continued							
08014200	Tenmile Creek near Elizabeth, La.	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 10, 0.3 mile downstream from Carter Branch, and 5.3 miles southwest of Elizabeth.	94.2	1950-65‡	12- 7-71	15.88	6,400
08014600	Flat Creek near De Ridder, La.	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 miles east of De Ridder, and 3.2 miles upstream from mouth.	26.3	1964-72	12- 6-71	11.30	(†)
08016600	Hickory Branch at Kernan, La.	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12 (renumbered), 0.7 mile southwest of Kernan, and 3.0 miles upstream from Cowpen Creek.	82.2	1946-57‡	12- 6-71	18.89	2,970
08016990	Cowards Gully near De Quincy, La. (station discontinued).	Lat 30°25'10", long 93°29'17", Beauregard Parish, at bridge on State Highway 12, 4.1 miles southwest of De Quincy.	15.3	1954-68, 1971-72	5- 2-54 8- 4-55 1-23-56 12-23-56 9-20-58 2-25-59 2- 4-60 2-18-61 12-19-61 9-18-63 3- 2-64 12-11-65 5-13-66 4-16-67 4- 9-68 10-10-70 12- 7-71	8.84 10.04 9.30 10.96 12.19 10.54 9.15 10.81 9.54 11.02 10.48 10.40 11.65 10.21 10.73 17.30 10.30	e620 e2,200 e1,300 e3,350 e4,400 e2,900 e1,150 e3,250 e1,550 e3,400 e2,850 e2,800 e4,000 e2,500 e3,010 e7,000 2,710
Sabine River basin							
08023270	Bull Bayou near Hunter, La.	Lat 31°53'10", long 93°52'30", De Soto Parish, at bridge on State Highway 174, 1.1 miles southeast of Hunter, and 3.2 miles upstream from mouth.	8.54	1963-72	7- 5-72	10.27	(†)
08024060	Blackwell Creek at Mary, La.	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mile northeast of Mary, and 0.8 mile upstream from Phillips Creek.	3.16	1959-68‡, 1969-72	6-16-72	10.19	492
08025850	Pearl Creek at State Highway 111, at Burr Ferry, La.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge 0.8 mile northeast of Burr Ferry.	9.66	1967-72	12- 6-71	7.63	(†)
08026200	Red Bank Creek at Evans, La.	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mile northeast of Evans, and 2.8 miles upstream from mouth.	17.2	1966-72	12- 6-71	13.96	(†)

‡ Operated as a continuous-record gaging station.

† Discharge not determined.

e Not previously published.

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1972

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Red River basin						
Red River	Mississippi River	Lat 33°05'29", long 93°51'38", Miller County, at ferry landing 1.8 miles west of Spring Bank, Ark.	a56,903	1971	3-13-72	4,310
Red River	do.....	Lat 31°49'06", long 93°05'03", Natchitoches Parish, at bridge on State Highway 6 at Grand Ecore, and 4.0 miles north of Natchitoches.	a64,575	1945, 1971	3-17-72 6-13-72	8,890 3,830
Red River	do.....	Lat 31°12'06", long 92°08'27", Avoyelles Parish, at bridge on State Highway 107, 1.5 mile west of Moncla.	a67,625	1971	6-17-72	5,880
Big Cane Creek	Bayou de Loutre	Lat 32°52'33", long 92°18'21", Union Parish, at bridge on State Highway 348, 3.1 miles north of De Loutre.	--	--	1- 4-72	762
Big Creek	Little River	Lat 31°34'20", long 92°31'04", Grant Parish, at bridge on unmarked parish road, 0.1 mile east of Dry Prong.	--	1942	4-10-72	2.50
Big Creek	do.....	Lat 31°31'25", long 92°21'45", Grant Parish, at bridge on State Highway 8, 0.3 mile north of Fishville.	66.5	1966-67, 1970	4-11-72	32.5
Mississippi River Delta						
Baker Canal	Mississippi River	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 miles southwest of Baker.	--	1962	5- 7-72	1,420
Tchefuncta River	Lake Pontchartrain	Lat 30°49'10", long 90°17'25", Tangipahoa Parish, at bridge on State Highway 10, 4.3 miles east of Wilmer.	19.8	1971	5-27-72	14.3
Tchefuncta River	do.....	Lat 30°29'40", long 90°10'10", St. Tammany Parish, at bridge on U.S. Highway 190, 4.0 miles west of Covington.	145	1950-65b, 1963-67c	5-30-72	72.1
Beaver Bayou	Comite River	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert on Wax Road, 11.8 miles northeast of Baton Rouge Post Office.	--	--	5- 7-72	322
Corporation Canal	Bayou Duplanier	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge on East Roosevelt St., 2.0 miles southeast of Baton Rouge Post Office.	--	1970	12-10-71 5- 7-72	105 491
Do.....	do.....	Lat 30°24'14", long 91°10'15", East Baton Rouge Parish, at bridge on Campus Drive, 2.7 miles southeast of Baton Rouge Post Office.	--	1971	12-10-71 5- 7-72	201 524
Bayou Duplanier	Ward Creek	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge on Lee Drive, 3.8 miles south of Baton Rouge Post Office.	--	--	12-10-71	124
Spring Creek	Bayou Cocodrie	Lat 31°05'55", long 92°38'12", Rapides Parish, at bridge on unmarked parish road, 0.2 mile downstream from mouth of Squyres Branch, and 0.5 mile south of Melder.	--	1969-71	10-13-71 10-15-71 11-16-71 6-14-72 8- 8-72 8-29-72 9-18-72	4.31 4.32 4.59 6.22 4.95 4.92 4.00
Rocky Branch	Spring Creek	Lat 31°05'53", long 92°37'39", Rapides Parish, at bridge on State Highway 112, 0.5 mile upstream from mouth, and 0.7 mile southeast of Melder.	--	1969-71	10-13-71 10-15-71 11-16-71 6-14-72 8- 8-72 8-29-72 9-18-72	.16 .11 .11 .26 .05 .24 .08

a 5,936 sq mi above Dennison Dam is noncontributing.

b Operated as a crest-stage partial-record station.

c Operated as a low-flow partial-record station.

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mississippi River Delta--Continued						
Roaring Creek	Spring Creek	Lat 31°04'51", long 92°36'37", Rapides Parish, at bridge and unmarked parish road, 0.9 mile upstream from mouth, and 3.0 miles southeast of Melder.	--	1969, 1971	10-13-71 10-15-71 11-16-71 6-14-72 8- 8-72 8-29-72 9-18-72	.64 .60 .55 1.20 .63 .67 .69
Castor Creek	Bayou Boeuf	Lat 31°12'25", long 92°35'30", Rapides Parish, at bridge on unmarked forest road, 0.5 mile above Long Branch, and 8.0 miles southwest of Alexandria.	10.4	1959-67c	10-15-68 10-28-68 12- 6-68 1-14-69 2-10-69 3-28-69 4-25-69 5-26-69 7-31-69 9- 4-69 10-15-69 10-29-69 12- 5-69 1-15-70 3- 2-70 4- 9-70 5-22-70 7- 1-70 8-17-70 11- 2-70 11-25-70 1- 5-71 3- 2-71 4- 7-71 5-10-71 6-23-71 8- 3-71 9- 9-71 10-18-71 11-29-71 1-21-72 3- 1-72 4-11-72 5- 8-72 7- 6-72	d7.08 d6.86 d10.6 d9.12 d8.68 d11.4 d9.69 d10.0 d7.95 d8.36 d7.59 d6.42 d7.08 d8.91 d7.85 d7.06 d6.14 d6.31 d5.15 d6.75 d6.41 d8.10 d12.0 d7.82 d8.54 d7.67 d7.83 d5.82 7.55 6.34 20.6 9.06 8.14 11.5 7.80
Long Branch	Castor Creek	Lat 31°12'20", long 92°35'05", Rapides Parish, at bridge on unmarked forest road, 0.1 mile upstream from mouth, and 8.0 miles southwest of Alexandria.	10.7	1959-67	10-15-68 10-28-68 10-31-68 12- 6-68 1-14-69 2-10-69 3-28-69 4-25-69 5-26-69 7-31-69 9- 4-69 10-15-69 10-29-69 12- 5-69 1-15-70 3- 2-70 4- 9-70 5-22-70 7- 1-70 8-19-70 11- 2-70 11-25-70 1- 5-71 3- 2-71 4- 7-71 5-10-71 6-23-71 8- 3-71 9- 9-71 10-18-71 11-29-71 1-21-72 3- 1-72	d10.2 d8.71 d9.15 d12.3 d10.6 d12.2 d12.2 d11.5 d11.3 d11.8 d11.9 d9.41 d9.38 d9.35 d10.3 d9.89 d10.6 d7.80 d8.52 d7.01 d8.59 d8.72 d9.22 d16.5 d10.1 d10.4 d10.5 d10.0 d 7.50 8.66 8.21 21.9 11.9

^c Operated as a low-flow partial-record station.
^d Not previously published.

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mississippi River Delta--Continued						
Long Branch--Continued.	See preceding page	See preceding page.			4-11-72 5- 8-72 7- 6-72	9.78 16.0 10.9
Loving Creek	Castor Creek	Lat 31°12'10", long 92°34'40", Rapides Parish, on unmarked forest road, 0.5 mile upstream from mouth, and 8.0 miles southwest of Alexandria.	5.0	1959-67c	6- 5-68 7-16-68 9- 6-68 10-15-68 10-28-68 12- 6-68 1-14-69 2-10-69 3-28-69 4-25-69 5-26-69 8- 1-69 9- 4-69 10-15-69 10-29-69 12- 5-69 1-15-70 3- 2-70 4- 9-70 5-22-70 7- 1-70 8-17-70 11- 2-70 11-25-70 1- 5-71 3- 2-71 4- 7-71 5-10-71 6-23-71 9- 9-71 10-18-71 11-29-71 1-21-72 3- 1-72 4-11-72 5- 8-72 7- 6-72	d5.23 d4.89 d6.14 d4.54 d3.91 d5.90 d5.46 d4.78 d5.66 d5.14 d4.96 d4.42 d5.13 d4.28 d3.69 d3.95 d6.23 d4.58 d4.06 d3.71 d3.42 d3.06 d4.00 d4.12 d4.23 d8.19 d4.87 d5.04 d4.82 d3.46 4.46 3.90 7.81 6.03 4.36 8.03 4.65
Mermentau River basin						
Bayou Plaquemine Brule	Mermentau River	Lat 31°13'30", long 92°23'44", Acadia Parish, at bridge on Interstate Highway 10, and 1.2 miles northwest of Crowley.	252	1942-47e	12- 8-71	10,800
Bayou Jonas	Bayou Plaquemine Brule	Lat 30°13'50", long 92°29'38", Acadia Parish, at bridge on Interstate Highway 10, and 7.4 miles west of Crowley.	--	--	12- 8-71	1,350
Bayou Nezpique	Mermentau River	Lat 30°14'24", long 92°37'20", Acadia-Jefferson Davis Parish line, at bridge on Interstate Highway 10, and 2.4 miles northeast of Jennings courthouse.	--	--	12- 9-71	14,100
Mermentau River	Grand Lake	Lat 30°11'23", long 92°35'25", Jefferson Davis Parish, at bridge on U.S. Highway 90 at Mermentau.	--	--	12- 8-71	36,800
Bayou des Cannes	Mermentau River	Lat 30°14'10", long 92°33'45", Acadia Parish, at bridge on Interstate Highway 10, and 1.7 miles south of Evangeline.	--	--	12- 9-71	18,200
Bayou Queue de Tortue	do.....	Lat 30°04'41", long 91°21'40", Acadia Parish, at bridge on State Highway 13, and 6.2 miles northwest of Kaplan City limits.	--	--	12- 9-71	3,150
Bayou Lacassine	do.....	Lat 30°04'12", long 92°52'43", Jefferson Davis-Calcasieu Parish line, at bridge on State Highway 14, and 12.9 miles west of Lake Arthur.	--	--	9-13-61 12- 9-71	d2,660 7,720

c Operated as a low-flow partial-record station.

d Not previously published.

Discharge measurements made at miscellaneous sites during water year 1972--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Sabine River basin						
Bayou San Patricio	Sabine River	Lat 31°43'15", long 93°42'25", Sabine Parish, at bridge on U.S. Highway 171, 1.6 miles down- stream from The Kansas City Southern Railway Co. bridge, and 2.5 miles northwest of Noble.	154	1952-67	9-12-72	1.60
Bayou Toro	do.....	Lat 31°22'50", long 93°25'40", Sabine Parish, at bridge on U.S. Highway 171, and 4.0 miles south of Florien.	78.6	1950,1954, 1959,1961	9-11-72	6.47
Bayou Castor	Bayou Anacoco	Lat 31°06'26", long 93°16'17", Vernon Parish, at bridge on U.S. Highway 171, and 2.3 miles south of Leesville.	--	--	9-11-72	5.25

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 1972

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Pearl River basin						
02490109	Bogue Lusa Creek at State Highway 60, at Bogalusa, La.	Lat 30°46'59", long 89°51'52", Washington Parish, at bridge 1.1 miles southeast of Bogalusa water tower.	--	1969-72	5- 8-72	a82.07
02490112	Bogue Lusa Creek at Richmond St., at Bogalusa, La.	Lat 30°46'53", long 89°51'18", Washington Parish, at bridge 1.3 miles southeast of Bogalusa water tower.	--	1969-72	5- 8-72	b78.69
02490125	Coburn Creek at Van Buren St., at Bogalusa, La.	Lat 30°47'45", long 89°51'58", Washington Parish, at bridge 0.4 mile southeast of Bogalusa water tower.	--	1969-72	3- 1-72 5- 8-72	6.23 11.09
02490126	Coburn Creek at Memorial Dr., at Bogalusa, La.	Lat 30°47'44", long 89°51'43", Washington Parish, at bridge 0.3 mile south of Bogalusa water tower.	--	1969-72	3- 1-72 5- 8-72	<12.57 16.33
02490127	Coburn Creek at Austin St., at Bogalusa, La.	Lat 30°47'37", long 89°51'33", Washington Parish, at bridge 0.4 mile southeast of Bogalusa water tower.	6.92	1969-72	3- 1-72 5- 8-72	11.66 15.50
02490129	Coburn Creek at Poplar St., at Bogalusa, La.	Lat 30°47'41", long 89°51'10", Washington Parish, at bridge 0.6 mile southeast of Bogalusa water tower.	--	1969-72	3- 1-72 5- 8-72	5.50 8.71
02490133	Coburn Creek at State Highway 10, at Bogalusa, La.	Lat 30°47'32", long 89°50'12", Washington Parish, at bridge, 1.6 miles southeast of Bogalusa water tower.	--	1969-72	3- 1-72 5- 8-72	14.11 13.97
02492663	French Branch near Slidell, La.	Lat 30°17'40", long 89°44'10", St. Tammany Parish, at bridge on State Highway 1092, and 3.5 miles northeast of Slidell.	--	1966-72	1-20-72	6.93
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 miles southeast of Dixie.	--	1962-72	1- 5-72	163.41
07348105	McCain Creek at Pine Hills Rd., near Shreveport, La.	Lat 32°35'01", long 93°49'34", Caddo Parish, at bridge 6.7 miles northwest of Shreveport court house.	--	1963-72	1972	<175.8
07348120	McCain Creek at Cooper Rd., near Shreveport, La.	Lat 32°33'11", long 93°47'30", Caddo Parish, at bridge 3.7 miles northwest of Shreveport court house.	--	1963-72	1972	<157.70
07349363	Macks Bayou tributary No. 2, at Bossier City, La.	Lat 32°32'33", long 93°42'30", Bossier Parish, at bridge on Airline Dr., 2.1 miles northeast of Bossier City Post Office.	--	1963-72	7-29-72	163.74
07349365	Macks Bayou at Bossier City, La.	Lat 32°31'59", long 93°40'24", Bossier Parish, at bridge on U.S. Highway 80, 3.3 miles northeast of Bossier City Post Office.	--	1963-72	7-29-72	<160.9
07349368	Macks Bayou tributary No. 3, at Bossier City, La.	Lat 32°31'20", long 93°41'31", Bossier Parish, at bridge on Old Minden Road, 2.1 miles east of Bossier City Post Office.	--	1963-72	7-29-72	<162.9
07349369	Macks Bayou at North Gate Rd., at Bossier	Lat 32°30'39", long 93°40'56", Bossier Parish, 500 ft west of Barksdale Air Force Base fence at North Gate Road at Bossier City.	--	1966-72	7-29-72	160.14
07349380	Flat River at Taylortown, La.	Lat 32°23'20", long 93°35'15", Bossier Parish, at bridge on State Highway 527, and 0.5 mile east of Taylortown.	95.8	1960-62c, 1963-72	1972	<†143.0

< Less than amount shown.

† Gage datum; mean sea level of gage not determined.

a Add 75.10 ft for mean sea level prior to 1972.

b Add 66.26 ft for mean sea level prior to 1972.

c Operated as a crest-stage partial-record station.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

Annual maximum elevation at flood-profile partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Red River basin--Continued						
07349400	Flat River near Elm Grove, La.	Lat 32°19'45", long 93°31'20", Bossier Parish, at bridge on State Highway 157, and 2.2 miles southeast of Elm Grove.	112	1960-72	1972	< 140.0
07349590	Ivan Lake near Cotton Valley, La.	Lat 32°49'45", long 93°29'20", Bossier Parish, at bridge 100 ft above dam, and 4.0 miles west of Cotton Valley.	37.8	1960-65c, 1966-72	1- 4-72	201.30
07349785	Little Cypress Bayou at State Highway 3, at Plain Dealing, La.	Lat 32°54'55", long 93°42'15", Bossier Parish, at bridge 0.6 mile northwest of Plain Dealing.	--	1963-72	1972	< 276.2
07349787	Little Cypress Bayou tributary at Plain Dealing, La.	Lat 32°54'30", long 93°42'15", Bossier Parish, at bridge on State Highway 3, 0.7 mile northwest of Plain Dealing.	--	1963-72	1972	< 265.3
07349790	Little Cypress Bayou at Plain Dealing, La.	Lat 32°54'05", long 93°41'55", Bossier Parish, at bridge on unnamed street 0.3 mile downstream from State Highway 3, and 0.3 mile southeast of Plain Dealing.	--	1963-72	1972	< 46.0
07349860	Red Chute Bayou at Sligo, La.	Lat 32°26'50", long 93°35'40", Bossier Parish, at bridge on State Highway 612, and 0.5 mile west of Sligo.	980	1960-62c, 1963-72	1- 9-72	147.07
07349890	Red Chute Bayou near Elm Grove, La.	Lat 32°21'45", long 93°30'10", Bossier Parish, at bridge on State Highway 154, and 3.0 miles northeast of Elm Grove.	1,004	1960-72	1- 9-72	134.59
07349900	Swan Lake near Elm Grove, La.	Lat 32°16'55", long 93°27'05", Bossier Parish, at bridge on parish road, 7.5 miles southeast of Elm Grove.	1,020	1961-72	1-10-72	133.70
07350300	Coushatta Bayou near Crichton, La.	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, 1.8 miles east of Crichton.	15.9	1960-72	1972	< 129.0
07350700	Bayou Pierre at Shreveport, La.	Lat 32°27'20", long 93°44'05", Caddo Parish, at bridge on Pierremont Road, 3.4 miles southeast of Shreveport city hall.	--	1960-72	12-17-71 7-29-72	< 152.1 152.40
07350800	Bayou Pierre at Forbing, La.	Lat 32°23'35", long 93°43'25", Caddo Parish, at bridge on State Highway 526, 0.6 mile northeast of Forbing, and 8.1 miles south of Shreveport Post Office.	19	1960-65c, 1967-72	12-17-71 7-29-72	143.91 147.39
07350820	Sand Beach Bayou at Shreveport, La.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th St., 4.3 miles southeast of Shreveport city hall.	--	1963-64, 1967-72	1972	< 142.60
07350840	Sand Beach Bayou near Shreveport, La.	Lat 32°24'03", long 93°42'26", Caddo Parish, at bridge on State Highway 526, 7.4 miles southeast of Shreveport city hall.	--	1963-72	1972	< 150.4
07350900	Bayou Pierre near Robson, La.	Lat 32°22'25", long 93°40'30", Caddo Parish, at bridge on Leonard Road, and 2.0 miles northwest of Robson.	26.0	1960-72	12-18-71 7-29-72	135.74 137.36
07351200	Brush Bayou at Shreveport, La.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Railway bridge, 4.9 miles southwest of Shreveport city hall.	3.4	1960-72	12-17-71 7-29-72	184.62 185.71
07351580	Bayou Pierre near Abington, La.	Lat 32°08'10", long 93°31'05", Red River Parish, at bridge on State Highway 509, and 2.9 miles northwest of Abington.	406	1960-65c, 1966-72	12-17-71 7 29-72	126.35 124.32
07351740	Bayou Pierre at Evelyn, La.	Lat 31°59'20", long 93°26'30", De Soto Parish, at bridge on State Highway 177, and 0.2 mile northeast of Evelyn.	707	1950-65c, 1966-72	12-18-71 7-29-72	117.22 < 116.0
07351750	Bayou Pierre near Lake End, La.	Lat 31°53'40", long 93°20'30", Red River Parish, at bridge on State Highway 174, and 2.9 miles southwest of Lake End.	860	1950-72	1971 12-17-71 7-29-72	< 1107.5 111.20 < 107.5
07352150	Saline Lake near Clarence, La.	Lat 31°51'10", long 92°56'10", Winn Parish, 100 ft left of spillway, and 5.9 miles northeast of Clarence.	421	1960-72	1972	< 106.4

< Less than amount shown.

† Gage datum; mean sea level of gage not determined.

c Operated as a crest-stage partial-record station.

d Corrected.

Annual maximum elevation at flood-profile partial-record stations during water year 1972--Continued

Annual maximum elevation at flood-prone partial-record stations during water year 1972--Continued						
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Red River basin--Continued						
07352410	Kepler Lake near Castor, La.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, 5.0 miles north of Castor.	46.2	1960-65e, 1966-72	1- 4-72	176.86
07352900	Saline Bayou at Allen Dam, near Clarence, La.	Lat 31°51'05", long 92°56'45", Natchitoches Parish, on right bank upstream wing wall of spillway, and 5.3 miles northeast of Clarence.	1,349	1960-72	2- 3-72	112.53
07354740	Old River at Montrose, La.	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-65e, 1966-72	1972	< 95.0
07354780	Cane River near Cloutierville, La.	Lat 31°33'15", long 92°53'20", Natchitoches Parish, on left bank at south end of drainage canal and floodgates on State Highway 495, and 2.2 miles northeast of Cloutierville.	582	1960-72	1972	< 95.2
07355400	Bayou Marteau near Rock Hill, La.	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on parish road, 2.2 miles southwest of Rock Hill, and 5.0 miles northeast of Boyce.	--	1960-72	3- 2-72	79.24
07355475	Bayou Rapides near Alexandria, La.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on parish road, 12.2 miles upstream from Red River, and 6.9 miles west of Alexandria city hall.	--	1963-65, 1968-72	1972	< 81.9
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 miles west of Alexandria city hall.	--	1963-72	1972	< 73.9
07371600	Dugdemonia River near Dodson, La.	Lat 32°07'22", long 92°48'24", Winn Parish, at bridge on State Highway 126, and 9.1 miles northwest of Dodson.	412	1959-72	1- 5-72	118.02
		Bayou Baton Rouge basin				
07373970	Baker Canal at Baker, La.	Lat 30°35'19", long 91°10'24", East Baton Rouge Parish, at bridge on parish road, 0.3 mile west of Baker.	--	1962-72	12- 5-71	70.47
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 miles southwest of Baker.	--	1962-72	1972	55.19
		Mississippi River Delta				
07374570	Oakes diversion channel at Slidell, La.	Lat 30°17'35", long 89°46'00", St. Tammany Parish, at culvert on Roberts Road, 0.4 mile north of Couss Road at Slidell.	--	1966-72	1-20-72	5.68
07375410	Tangipahoa River at Tangipahoa, La.	Lat 30°52'36", long 90°29'44", Tangipahoa Parish, at bridge on State Highway 1057, and 1.0 mile east of Tangipahoa.	340	1959-65, 1967-72	12- 7-71	23.44
07375420	Tangipahoa River at Arcola, La.	Lat 30°46'36", long 90°29'53", Tangipahoa Parish, at bridge on State Highway 10, and 0.7 mile east of Arcola.	381	1959-65, 1967-72	12- 7-71	21.43
07377150	Amite River at Grangeville, La.	Lat 30°44'10", long 90°50'30", St. Helena Parish, at bridge on State Highway 37, and 0.5 mile southwest of Grangeville.	741	1951-63e, 1964-72	12- 5-71	116.02
07377400	Comite River near Clinton, La.	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, and 1.3 miles west of Clinton.	112	1949-65e, 1969-72	12- 7-71	176.19
07377750	Comite River near Zachary, La.	Lat 30°38'35", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, and 3.7 miles east of Zachary.	230	1951-63e, 1964-72	12- 7-71	88.36
07377760	Comite River at Comite Drive, near Baton Rouge, La.	Lat 30°33'24", long 91°05'53", East Baton Rouge Parish, at bridge 9.0 miles northeast of Baton Rouge Post Office.	--	1962-72	12- 7-71	58.77
07377780	White Bayou at State Highway 64, near Zachary, La.	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 miles east of Zachary.	--	1962-72	12- 7-71	90.39

< Less than amount shown.

c Operated as a crest-stage partial-record station.

e Operated as a continuous-record gaging station.

f Add 164.20 ft for mean sea level prior to 1971.

Annual maximum elevation at flood-profile partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet, above mean sea level)
Mississippi River Delta--Continued						
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 miles northeast of Baton Rouge Post Office.	--	1962-72	1972	< 68.58
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 mile east of State Highway 19 at Baker.	--	1967-72	1972	< 67.5
07377900	Cypress Bayou at Plank Rd., near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 miles northeast of Baton Rouge Post Office.	--	1962-65, 1967-72	1972	< 44.32
07377920	Cypress Bayou at Hooper Rd., near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 miles northeast of Baton Rouge Post Office.	--	1962-72	12- 5-71	48.30
07377940	Blackwater Bayou near Baton Rouge, La.	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Rd., 8.5 miles northeast of Baton Rouge Post Office.	14.1	1962-72	1972	50.43
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Dr., 3.9 miles northeast of Baton Rouge Post Office.	--	1967-72	12- 5-71 5- 7-72	< 41.81 40.04
07378010	Hurricane Creek near Baton Rouge, La.	Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Rd., 6.2 miles north-east of Baton Rouge Post Office.	--	1962-72	12- 5-71 5- 7-72	42.68 < 40.62
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silver Leaf Ave., 5.3 miles northeast of Baton Rouge Post Office.	--	1967-72	12- 5-71	+11.45
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Rd., 6.6 miles north-east of Baton Rouge Post Office.	--	1962-72	12- 5-71	45.12
07378050	Comite River at Greenwell Springs Rd., near Baton Rouge, La.	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge 9.4 miles northeast of Baton Rouge Post Office.	--	1962-72	12- 5-71	38.71
07378075	Beaver Bayou at Denham Rd., near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 miles northeast of Baton Rouge Post Office.	--	1972	12- 5-71 5- 7-72	12.49 12.66
07378100	Beaver Bayou at Wax Rd., near Baton Rouge, La.	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 miles northeast of Baton Rouge Post Office.	--	1972	12- 5-71 5- 7-72	15.74 14.83
07378595	Jones Creek at Airline Hwy., at Baton Rouge, La.	Lat 30°27'12", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 miles northeast of Baton Rouge Post Office.	--	1967-72	12- 5-71 5- 7-72	+3.88 +5.08
07378600	Jones Creek at Florida Blvd., at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 miles east of Baton Rouge Post Office.	--	1962-72	12- 5-71 5- 7-72	38.83 42.48
07378635	Lively Bayou northeast of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Rd., 9.0 miles northeast of Baton Rouge Post Office.	--	1967-72	5- 7-72	+6.42
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Rd., 8.9 miles east of Baton Rouge Post Office.	--	1967-72	5- 7-72	39.28
07378645	Lively Bayou southeast of Baton Rouge, La.	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Rd., 8.8 miles southeast of Baton Rouge Post Office.	--	1967-72	5- 7-72	37.01
07378650	Jones Creek at Old Hammond Hwy., near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 miles east of Baton Rouge Post Office.	--	1962-72	12- 5-71 5- 7-72	33.25 37.33
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge on Aubin Lane, 7.3 miles southeast of Baton Rouge Post Office.	--	1967-72	5- 7-72	+10.35

< Less than amount shown.

† Gage datum; mean sea level of gage not determined.

Annual maximum elevation at flood-profile partial-record stations during water year 1972--Continued

Annual maximum elevation at flood-prone partial-record stations during water year 1972--Continued						
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
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 Rd., 1.6 miles north of Woodlawn School, and 10.5 miles east of Baton Rouge Post Office.	19.5	1967-72	12- 5-71 5- 7-71	26.89 25.23
07378710	Amite River near Baton Rouge, La.	Lat 30°23'52", long 90°58'23", East Baton Rouge Parish, 3,400 ft downstream from Jones Creek, and 13 miles southeast of Baton Rouge Post Office.	--	1968-72	12- 5-71	25.07
07378720	Clay Cut Bayou at Siegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 miles southeast of Baton Rouge Post Office.	--	1967-72	1972	18.45
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 Rd., 2.3 miles northeast of Hope Villa.	--	1967-72	12- 5-71	20.25
07378780	Bayou Fountain at Ben Hur Rd., at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 miles southeast of Baton Rouge Post Office.	--	1962-72	12- 5-71	17.60
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 miles southeast of Baton Rouge Post Office.	--	1962-66, 1969-72	12- 5-71	14.52
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Rd., 9.1 miles southeast of Baton Rouge Post Office.	--	1967-72	12- 5-71	11.42
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 miles southeast of Baton Rouge Post Office.	--	1967, 1969-72	5- 7-72	38.99
07379090	North Branch Ward Creek at Goodwood Blvd., at Baton Rouge, La.	Lat 30°26'34", long 91°05'57", East Baton Rouge Parish, at bridge 5.5 miles southeast of Baton Rouge Post Office.	--	1967-72	5- 7-72	38.91
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 miles southeast of Baton Rouge Post Office.	--	1962-72	5- 7-72	30.79
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 miles southeast of Baton Rouge Post Office.	--	1962-72	5- 7-72	22.68
07379502	Corporation Canal at Oklahoma St., at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mile south of Baton Rouge Post Office.	--	1971-72	5- 7-72 5-12-72	5.96 6.48
07379503	Corporation Canal at East Roosevelt St., at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 miles southeast of Baton Rouge Post Office.	--	1971-72	5- 7-72 5-12-72	9.92 9.77
07379505	Corporation Canal at Chimes St., at Baton Rouge, La.	Lat 30°25'02", long 91°10'22", East Baton Rouge Parish, at bridge 2.4 miles southeast of Baton Rouge Post Office.	--	1971-72	5- 7-72 5-12-72	18.57 18.50
07379507	Corporation Canal at Campus Drive, at Baton Rouge, La.	Lat 30°24'14", long 91°10'15", East Baton Rouge Parish, at bridge 2.7 miles southeast of Baton Rouge Office.	--	1971-72	5- 7-72 5-12-72	8.40 7.94
07379508	Corporation Canal at Stanford Ave., at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 miles southeast of Baton Rouge Post Office.	--	1971-72	5- 7-72 5-12-72	16.90 15.36
07379550	Bayou Duplanier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 miles south of Baton Rouge Post Office.	--	1962-72	5- 7-72	21.43
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 miles southeast of Baton Rouge Post Office.	--	1962-71	5- 7-72	20.43

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

Annual maximum elevation at flood-profile partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Mississippi River Delta--Continued						
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mile downstream from Dawson Creek, and 8.5 miles southeast of Baton Rouge Post Office.	--	1947-54e, 1955-68c, 1972	5- 7-72	11.80
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 mile north-east of Gonzales water tower.	--	1963-72	5- 7-72	9.34
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 miles west of Gonzales water tower.	--	1963-72	5- 7-72	16.06
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mile south-west of Gonzales water tower.	--	1963-72	5- 7-72	7.90
07382256	Bayou Rapides-Boeuf-Cocodrie diversion channel at Alexandria, La.	Lat 30°17'43", long 92°29'38", Rapides Parish, at bridge on State Highway 28, 3.2 miles west of Alexandria city hall.	--	1963-72	12- 6-71	†11.18
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, La.	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge 5.7 miles southwest of Alexandria city hall.	--	1963-72	12- 6-71	68.99
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, La.	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 miles southwest of Alexandria city hall.	--	1963-72	1972	<69.2
07382840	Hynson Bayou at Bringham Park, at Alexandria, La.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, 1.7 miles south of Alexandria city hall.	--	1963-72	1972	<75.4
07382850	Horseshoe Drainage Canal at Packing House Rd., at Alexandria, La.	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 miles south of Alexandria city hall.	--	1960-72	12- 6-71	70.60
07382855	Hynson Bayou at Midway St., at Alexandria, La.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 miles southeast of Alexandria city hall.	--	1963-72	12- 6-71	70.50
07382865	Persimmon Bayou near Alexandria, La.	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 miles southeast of Alexandria city hall.	--	1963-72	12- 6-71	68.03
07383000	Chatlin Lake Canal near LeCompte, La.	Lat 31°07'10", long 92°20'40", Rapides Parish, at bridge on State Highway 457, and 3.7 miles northeast of LeCompte.	75.9	1943-58e, 1960, 1962-72	12- 6-71	61.96
		Mermentau River basin				
08011000	Bayou Plaquemine Brule near Crowley, La.	Lat 30°14'05", long 92°23'44", Acadia Parish, at bridge on State Highway 13, and 1.2 miles northwest of Crowley.	252	1942-47c, 1965-72	12- 5-71	12.49
08012445	Bayou Chene near Welsh, La.	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on parish road, 6.0 miles southeast of Welsh.	106	1969-72	12- 5-71	21.00
08012470	Bayou Lacassine near Lake Arthur, La.	Lat 30°04'12", long 92°52'43", Jefferson Davis Parish, at bridge on State Highway 14, and 12.9 miles west of Lake Arthur	299	1969-72	12- 5-71	12.70
		Calcasieu River basin				
08012600	Calcasieu River near Slagle, La.	Lat 31°13'30", long 93°06'05", Vernon Parish, at bridge on State Highway 8, and 2.2 miles northeast of Slagle.	48.1	1959-72	12- 6-71	†13.58
08015980	Keyouche Coulee at Prien Lake Rd., at Lake Charles, La.	Lat 30°11'53", long 93°10'01", Calcasieu Parish, at bridge 3.6 miles southeast of Lake Charles city hall.	--	1963-72	12- 5-71	8.05

† Gage datum; mean sea level of gage not determined.
 < Less than amount shown.

c Operated as a crest-stage partial-record station.
 e Operated as a continuous-record gaging station.

Annual maximum elevation at flood-profile partial-record stations during water year 1972--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Calcasieu River basin--Continued						
08017060	Bayou Contraband at Common St., at Lake Charles, La.	Lat 30°10'37", long 93°12'50", Calcasieu Parish, at bridge 3.4 miles south of Lake Charles city hall	--	1963-72	1972	<8.06
08017065	Bayou Contraband at Lake St., at Lake Charles, La.	Lat 30°10'55", long 93°13'56", Calcasieu Parish, at bridge 3.1 miles southwest of Lake Charles city hall.	--	1963-72	1972	<6.85
08017070	Bayou Contraband tributary at Lake St., at Lake Charles, La.	Lat 30°13'29", long 93°12'56", Calcasieu Parish, at bridge 1.5 miles southwest of Lake Charles city hall.	--	1963-72	1972	<4.88
		Sabine River basin				
08025700	Sandy Creek near Burr Ferry, La.	Lat 31°08'30", long 93°31'10", Vernon Parish, at bridge on State Highway 111, 5.3 miles northwest of Burr Ferry, La.	33.7	1964-72	12- 6-71	109.58

< Less than amount shown.

Kisatchie National Forest (Evangeline District) seepage investigation

On Oct. 15, 1971, a series of related discharge measurements were made in the Kisatchie National Forest area, beginning with Spring Creek northwest of Elmer and ending with Indian Creek southwest of Woodworth. The investigations were made during a period of low flow to obtain information on gains and losses within the area.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Spring Creek	Bayou Cocodrie	Lat 31°10'05", long 92°42'14", Rapides Parish, at bridge on Parish Road 1199, 2.8 miles northwest of Elmer and 4.3 mile upstream from mouth of Bill Creek.	-	1969	10-15-71	0
Do.....	do.....	Lat 31°09'33", long 92°41'10", Rapides Parish, at bridge on State Highway 488, 2.0 miles northwest of Elmer and 3.1 miles upstream from mouth of Bill Creek.	-	1969	10-15-71	<.01
Do.....	do.....	Lat 31°08'15", long 92°40'47", Rapides Parish, in sec.21, T.2 N., R.3 W., 0.6 mile northwest of Elmer and 1.2 miles upstream from mouth of Bill Creek.	-	1969	10-15-71	.01
Unnamed No. 3	Spring Creek	Lat 31°08'17", long 92°40'42", Rapides Parish, in sec.21, T.2 N., R.3 W., 0.3 mile west of Elmer and 1.1 miles upstream from mouth of Bill Creek.	-	1969	10-15-71	.07
Spring Creek	Bayou Cocodrie	Lat 31°07'52", long 92°40'36", Rapides Parish, at bridge on State Highway 112, 0.2 mile east of Elmer and 0.8 mile upstream from mouth of Bill Creek.	-	1969	10-15-71	.20
Do.....	do.....	Lat 31°05'55", long 92°38'12", Rapides Parish, at bridge on unmarked parish road, 0.2 mile downstream from mouth of Squyres Branch and 0.5 mile south of Melder.	-	1969-71	10-15-71	4.32
Rocky Branch	Spring Creek	Lat 31°05'53", long 92°37'39", Rapides Parish, at bridge on State Highway 112, 0.5 mile upstream from mouth and 0.7 mile southeast of Melder.	-	1969-71	10-15-71	.11
Roaring Creek	do.....	Lat 31°04'51", long 92°36'37", Rapides Parish, at bridge on unmarked parish road, 0.9 mile upstream from mouth and 3.0 miles southeast of Melder.	-	1969, 1971	10-15-71	.60
Spring Creek	Bayou Cocodrie	Lat 31°04'03", long 92°37'06", Rapides Parish, at bridge on unmarked parish road, 0.5 mile downstream from mouth of Roaring Creek and 3.0 miles southeast of Melder.	-	1969	10-15-71	15.60
Campground Creek	Spring Creek	Lat 31°03'12", long 92°37'20", Rapides Parish, at bridge on unmarked parish road, 0.5 mile upstream from mouth and 7.0 miles north of McNary.	-	1969	10-15-71	.04
Mill Creek	do.....	Lat 31°03'18", long 92°36'48", Rapides Parish, at bridge on unmarked parish road, 0.4 mile upstream from mouth and 6.0 mile north of McNary.	-	1969	10-15-71	1.57
Spring Creek	Bayou Cocodrie	Lat 31°02'49", long 92°36'53", Rapides Parish, at bridge on unmarked parish road, 0.6 mile downstream from mouth of Mill Creek and 5.5 miles north of McNary.	-	1969	10-15-71	24.10
Germany Creek	Spring Creek	Lat 31°02'14", long 92°36'50", Rapides Parish, at bridge on unmarked parish road, 0.2 mile upstream from mouth and 4.0 miles north of McNary.	-	1969	10-15-71	1.86
Spring Creek	Bayou Cocodrie	Lat 31°00'42", long 92°34'48", Rapides Parish, in sec.33, T.1 N., R.2 W., 2.3 miles west of Longleaf and 2.6 miles downstream from mouth of Germany Creek.	-	1969	10-15-71	34.00
Barber Creek	Spring Creek	Lat 31°00'39", long 92°33'39", Rapides Parish, at culvert on U. S. Highway 165, 1.0 mile upstream from mouth and 2.7 miles northeast of Glenmora.	-	1969	10-15-71	5.83

< Less than amount shown.

Kisatchie National Forest (Evangeline District) seepage investigation--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Clear Creek	Castor Creek	Lat 31°11'28", long 92°37'23", Rapides Parish, at bridge on Forest Road 240, 0.8 mile upstream from mouth and 10 miles southwest of Alexandria.	-	1969	10-15-71	2.54
Brushy Creek	do.....	Lat 31°10'59", long 92°37'00", Rapides Parish, at bridge on Forest Road 240, 0.7 mile upstream from mouth of Clear Creek and 10.2 miles southwest of Alexandria.	-	1969	10-15-71	1.70
Long Branch	do.....	Lat 31°10'09", long 92°35'05", Rapides Parish, at bridge on Forest Road 275, 1.5 miles upstream from mouth of Little Brushy Creek and 10.5 miles southwest of Alexandria.	10.7	1969	10-15-71	4.83
Do.....	do.....	Lat 31°11'24", long 92°35'39", Rapides Parish, in sec.32, T.3 N., R.2 W., 1.2 miles upstream from mouth and 9.2 miles southwest of Alexandria.	-	1969	10-15-71	5.42
Little Brushy Creek	Long Branch	Lat 31°11'25", long 92°35'43", Rapides Parish, in sec.32, T.3 N., R.2 W., 0.1 mile upstream from mouth and 9.2 miles southwest of Alexandria.	-	1969	10-15-71	1.74
Bayou Clear	Bayou Boeuf	Lat 31°08'27", long 92°29'52", Rapides Parish, at bridge on U. S. Highway 165, 0.2 mile south of Woodworth and 1.5 miles upstream from mouth of Little Bayou Clear.	-	1969	10-15-71	8.61
Little Bayou Clear	do.....	Lat 31°09'24", long 92°29'54", Rapides Parish, at bridge on U. S. Highway 165, 0.5 mile upstream from mouth and 0.6 mile north of Woodworth.	-	1969	10-15-71	.99
Indian Creek	do.....	Lat 31°05'56", long 92°30'42", Rapides Parish, at bridge on U. S. Highway 165, 0.6 mile downstream from mouth of House Creek and 3.3 miles southwest of Woodworth.	-	1969	10-15-71	3.27

MISSISSIPPI RIVER MAIN STEM

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", Long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles downstream from Yazoo diversion canal, and at mile 430.4.

DRAINAGE AREA.--1,144,500 sq mi, approximately.

PERIOD OF RECORD.--Discharge: January 1928 to September 1971 (records for 1972 water year not available). Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1971 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft only, since December 1949), and since September 1934, to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 miles upstream in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.

Extremes of stage intermittently 1828-71 and continuous since 1871, extremes of discharge for various years 1858-1926 and continuous since 1926, annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 miles upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft above mean sea level (Corps of Engineers bench mark) or 46.16 ft above mean Gulf level. See WRD La. 1969 or WRD MISS 1971 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--43 years, 552,700 cfs (400,400,000 acre-ft per year).

EXTREMES.--Current year: Maximum daily discharge, 1,317,000 cfs Mar. 14; maximum gage height, 37.24 ft Mar. 14 at bridge gage, 39.04 ft at supplementary recorder; minimum daily discharge, 249,000 cfs Aug. 26, minimum gage height, 5.80 ft Sept. 19 at supplementary recorder.

Period of Record: Maximum discharge, 2,080,000 cfs Feb. 17, 1937; maximum gage height, 53.2 ft Feb. 21, 1937; minimum discharge, 99,400 cfs Nov. 1, 1939; minimum gage height, -7.02 ft Feb. 3, 1940 (ice jam above).

Maximum stage known since at least 1871, 58.4 ft (Corps of Engineers gage on Yazoo diversion canal), approximately 56.0 ft May 4, 1927 (Geological Survey gage).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--One hundred and two discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	502	491	530	740	555	1,049	805	441	584	413	391	280
2	541	488	527	747	548	1,081	779	445	558	397	382	292
3	575	480	512	750	540	1,123	761	453	530	388	370	309
4	608	473	496	755	539	1,161	740	458	503	383	358	310
5	626	479	469	758	540	1,209	720	461	487	381	355	299
6	624	503	443	759	540	1,220	700	465	476	379	369	281
7	598	518	416	738	538	1,230	685	467	469	370	379	262
8	569	528	392	700	522	1,240	669	464	470	352	390	252
9	541	537	381	683	499	1,259	656	461	474	342	401	251
10	487	540	372	671	488	1,283	642	459	475	329	409	261
11	469	542	369	665	480	1,301	633	460	475	318	409	268
12	455	549	366	653	503	1,311	625	470	464	306	410	271
13	430	561	366	657	530	1,315	618	495	452	292	414	274
14	411	566	366	664	565	1,317	604	524	457	282	445	277
15	397	568	370	677	650	1,269	591	561	461	278	463	271
16	394	568	377	690	755	1,235	582	600	455	292	452	267
17	393	570	388	706	778	1,199	569	635	445	308	420	260
18	407	572	390	722	795	1,161	551	670	432	321	389	252
19	466	573	398	721	811	1,125	527	701	429	339	360	251
20	495	561	408	711	818	1,102	520	735	438	356	335	256
21	521	538	422	688	821	1,074	519	766	452	372	313	258
22	538	526	447	662	824	1,045	520	783	468	386	299	273
23	542	521	482	644	827	1,029	525	793	480	394	287	295
24	531	514	520	638	829	1,009	521	790	490	392	266	319
25	503	511	553	637	844	990	507	778	498	388	251	333
26	477	510	586	638	917	971	489	760	492	386	249	340
27	454	512	610	624	955	942	479	741	483	392	265	339
28	454	512	634	598	1,000	919	469	716	468	399	279	330
29	460	518	668	580	-----	893	451	683	450	401	291	321
30	485	531	700	568	-----	881	443	650	431	401	296	312
31	493	-----	732	559	-----	834	-----	618	-----	398	283	-----
TOTAL	15,446	15,860	14,690	21,003	19,011	34,757	17,900	18,503	14,246	11,135	10,980	8,564
MEAN	498	529	474	678	679	1,121	597	597	475	359	354	285
MAX	626	573	732	759	1,000	1,317	805	793	584	413	463	340
MIN	393	473	366	559	480	834	443	441	429	278	249	251
AC-FT	30,640	31,460	29,140	41,660	37,710	68,940	35,500	36,700	28,260	22,090	21,780	16,990
CAL YR 1970	TOTAL	216,624	MEAN	593.5	MAX	1,304	MIN	222	AC-FT	429,700		
WTR YR 1971	TOTAL	202,095	MEAN	553.7	MAX	1,317	MIN	249	AC-FT	400,900		

NOTE.--Discharge computed from records of supplementary recorder.

07348500 Red River at Shreveport, La.

LOCATION.--Lat 32°30'55", long 93°44'25", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.30, T.18 N., R.13 W., Caddo Parish, on second pier from east bank, at Illinois Central Railroad bridge at Shreveport, 0.5 mile downstream from Cross Bayou.

DRAINAGE AREA.--60,613 sq mi, of which 5,936 sq mi above Denison Dam is noncontributing.

PERIOD OF RECORD.--August 1928 to September 1971. Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft above mean sea level (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft higher.

AVERAGE DISCHARGE.--42 years, 23,920 cfs (17,330,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge, 44,700 cfs Nov. 1 (gage height, 15.42 ft); maximum gage height, 15.47 ft Nov. 1 (backwater); minimum daily, 2,500 cfs Sept. 29.

Period of record: Maximum discharge, 303,000 cfs Apr. 5, 1945 (discharge measurement); maximum gage height, 37.9 ft in gage well, 38.4 ft from outside gage, Apr. 7, 1945; minimum discharge, 690 cfs Oct. 30, 1956; minimum gage height, 0.24 ft Nov. 9, 1939. Maximum stage known, 45.9 ft, present datum, in August 1849.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir.

COOPERATION.--Gage-height record, and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1920: 1960(M).

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14,000	44,000	9,000	12,000	7,300	24,000	6,700	22,000	5,700	3,100	10,000	7,000
2	15,000	43,000	9,000	12,000	7,300	21,000	6,700	19,000	6,100	3,400	9,800	6,400
3	15,000	36,000	8,200	12,000	7,000	19,000	6,700	16,000	7,000	3,400	8,900	5,600
4	14,000	29,000	7,100	13,000	5,900	19,000	6,800	14,000	7,800	3,400	8,100	5,100
5	11,000	24,000	6,100	13,000	5,700	19,000	7,000	13,000	8,300	3,400	8,000	5,000
6	9,700	21,000	5,700	13,000	6,100	19,000	6,900	11,000	7,600	3,400	7,500	4,600
7	8,900	18,000	5,600	14,000	6,400	19,000	6,500	9,500	6,700	3,400	7,300	4,100
8	8,200	16,000	5,500	23,000	6,600	19,000	5,700	8,800	5,800	3,600	6,400	4,100
9	7,100	14,000	5,700	26,000	6,500	18,000	5,000	9,100	5,600	4,700	5,900	6,700
10	6,500	14,000	6,200	25,000	6,200	17,000	4,700	8,000	7,500	5,700	5,700	9,000
11	6,600	13,000	6,100	22,000	6,700	17,000	4,400	7,500	9,900	5,800	5,700	9,900
12	7,800	11,000	6,000	19,000	7,100	16,000	4,400	7,700	11,000	5,300	5,500	9,900
13	7,400	11,000	5,600	16,000	7,300	15,000	4,500	11,000	10,000	4,800	5,700	9,200
14	7,800	11,000	5,000	13,000	8,200	15,000	4,900	17,000	8,100	4,500	6,000	8,300
15	12,000	12,000	4,600	12,000	12,000	19,000	5,000	21,000	6,400	4,600	7,200	7,700
16	23,000	11,000	4,700	12,000	17,000	26,000	5,200	21,000	5,200	4,000	7,600	6,700
17	30,000	11,000	5,000	11,000	18,000	28,000	5,900	18,000	4,600	3,700	7,700	5,800
18	35,000	11,000	5,800	11,000	18,000	26,000	6,100	15,000	4,500	3,500	7,800	4,900
19	35,000	12,000	7,200	11,000	18,000	24,000	5,300	13,000	4,600	3,200	7,400	4,400
20	30,000	15,000	8,700	12,000	17,000	21,000	4,500	11,000	4,700	3,200	6,900	3,900
21	24,000	16,000	8,700	13,000	16,000	19,000	4,500	9,300	4,900	3,500	6,500	3,300
22	21,000	16,000	7,800	13,000	15,000	16,000	4,600	8,700	5,200	3,600	6,400	3,000
23	19,000	15,000	8,000	12,000	14,000	14,000	5,100	7,700	5,400	4,100	6,700	3,000
24	17,000	15,000	9,100	12,000	14,000	12,000	6,000	7,000	4,500	4,900	6,500	3,100
25	14,000	14,000	10,000	11,000	16,000	11,000	12,000	6,200	3,900	6,500	6,200	3,100
26	12,000	13,000	11,000	10,000	25,000	9,700	25,000	6,000	4,400	8,600	5,700	3,200
27	12,000	12,000	11,000	10,000	28,000	9,000	34,000	6,100	4,500	10,000	5,900	2,800
28	13,000	12,000	12,000	9,500	27,000	8,200	37,000	6,000	3,900	12,000	6,500	2,600
29	23,000	11,000	12,000	8,600	-----	7,600	32,000	5,800	3,400	13,000	6,800	2,500
30	33,000	9,500	12,000	7,700	-----	7,200	27,000	5,700	3,100	12,000	7,300	2,600
31	39,000	-----	13,000	7,100	-----	6,800	-----	5,600	-----	11,000	7,400	-----
TOTAL	531,000	510,500	241,200	415,900	349,300	521,500	300,100	346,700	180,300	169,300	217,000	157,500
MEAN	17,130	17,020	7,781	13,420	12,480	16,820	10,000	11,180	6,010	5,461	7,000	5,250
MAX	39,000	44,000	13,000	26,000	28,000	28,000	37,000	22,000	11,000	13,000	10,000	9,900
MIN	6,500	9,500	4,600	7,100	5,700	6,800	4,400	5,600	3,100	3,100	5,500	2,500
AC-FT	1,053,000	1,013,000	478,400	824,900	692,800	1,034,000	595,200	687,700	357,600	335,800	430,400	312,400
CAL YR 1970	TOTAL	7,639,700	MEAN	20,930	MAX	101,000	MIN	3,100	AC-FT	15,150,000		
WTR YR 1971	TOTAL	3,940,300	MEAN	10,800	MAX	44,000	MIN	2,500	AC-FT	7,816,000		

07355500 Red River at Alexandria, La.

LOCATION.--Lat 31°18'46", long 92°26'34", in SE $\frac{1}{4}$ sec.10, T.4 N., R.1 W., Rapides Parish, near center of span on downstream side of old bridge on U.S. Highway 165 between Alexandria and Pineville, and 1.7 miles downstream from Bayou Rigolette.

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

RECORDS AVAILABLE.--October 1928 to September 1971. Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927 and gage heights since 1872, in reports of Mississippi River Commission.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft above mean sea level or 44.18 ft above mean Gulf level, datum of Mississippi River Commission (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--43 years, 30,610 cfs (22,200,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge, 43,500 cfs Nov. 3 (gage height, 13.90 ft); maximum gage height, 13.93 ft Nov. 3; minimum daily, 4,100 cfs July 6, 10, 24; minimum gage height, -0.99 ft July 24.

Period of record: Maximum discharge, 233,000 cfs Apr. 17, 1945 (gage height, 45.23 ft); minimum, 873 cfs Oct. 30, 1956 (gage height, -3.01 ft).

A discharge of 210,000 cfs was measured July 2, 1908 (gage height, 41.6 ft).

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir.

COOPERATION.--Gage-height record, and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1241: 1929-36.

NOTE.--Records for 1972 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11,000	35,000	13,000	16,000	9,800	35,000	11,000	31,000	9,600	4,800	12,000	7,900
2	11,000	41,000	13,000	16,000	9,100	35,000	11,000	27,000	9,500	4,500	12,000	8,400
3	14,000	43,000	12,000	16,000	8,800	33,000	10,000	22,000	9,100	4,200	12,000	8,300
4	16,000	40,000	11,000	17,000	8,900	31,000	10,000	19,000	8,600	4,200	11,000	8,200
5	16,000	36,000	11,000	17,000	9,000	29,000	10,000	16,000	8,400	4,200	11,000	7,700
6	15,000	31,000	9,700	17,000	8,500	26,000	10,000	16,000	9,000	4,100	12,000	7,100
7	14,000	26,000	8,900	17,000	8,000	25,000	10,000	14,000	9,700	4,200	12,000	6,500
8	13,000	23,000	8,200	17,000	7,600	24,000	10,000	13,000	9,700	4,200	12,000	6,100
9	12,000	20,000	7,700	20,000	7,800	23,000	9,600	12,000	9,000	4,200	11,000	5,900
10	10,000	18,000	7,400	26,000	7,900	22,000	8,800	11,000	8,100	4,100	11,000	6,700
11	10,000	17,000	7,500	28,000	8,200	21,000	7,900	11,000	7,200	4,200	10,000	7,800
12	12,000	16,000	7,600	27,000	8,600	21,000	7,100	14,000	7,200	4,500	9,600	8,400
13	13,000	15,000	7,800	27,000	8,900	20,000	6,700	17,000	8,300	5,200	9,300	9,800
14	13,000	15,000	7,800	23,000	9,100	19,000	6,200	19,000	9,200	5,700	9,200	11,000
15	13,000	15,000	7,800	20,000	9,300	18,000	5,900	23,000	9,600	5,800	8,900	12,000
16	13,000	15,000	7,600	19,000	10,000	18,000	5,800	28,000	9,000	5,400	8,700	12,000
17	14,000	15,000	7,100	16,000	13,000	21,000	6,100	31,000	7,900	5,000	8,600	12,000
18	24,000	15,000	6,800	14,000	17,000	27,000	6,400	30,000	6,900	5,000	8,800	11,000
19	32,000	14,000	6,500	14,000	19,000	30,000	6,500	28,000	6,100	5,000	9,100	12,000
20	35,000	14,000	6,700	13,000	21,000	30,000	6,500	26,000	5,600	5,100	9,300	12,000
21	34,000	14,000	7,900	13,000	22,000	29,000	6,300	23,000	5,500	4,800	9,400	11,000
22	31,000	16,000	9,700	13,000	22,000	26,000	6,100	20,000	5,400	4,500	9,000	9,200
23	27,000	17,000	11,000	14,000	21,000	23,000	6,000	17,000	5,100	4,300	8,900	7,800
24	24,000	17,000	11,000	14,000	20,000	21,000	6,000	16,000	5,200	4,100	8,700	6,700
25	22,000	17,000	11,000	14,000	20,000	19,000	6,400	15,000	5,400	4,300	8,500	6,200
26	19,000	17,000	11,000	14,000	22,000	17,000	7,500	14,000	5,500	4,800	8,700	5,800
27	17,000	16,000	11,000	13,000	27,000	15,000	11,000	13,000	5,100	5,400	8,900	5,600
28	15,000	16,000	12,000	13,000	33,000	14,000	21,000	12,000	4,300	6,500	8,500	5,600
29	15,000	15,000	12,000	12,000	-----	13,000	31,000	11,000	4,700	8,500	8,000	5,500
30	18,000	14,000	13,000	11,000	-----	12,000	34,000	10,000	5,000	10,000	7,500	5,300
31	28,000	-----	14,000	11,000	-----	12,000	-----	10,000	-----	12,000	7,600	-----
TOTAL	561,000	623,000	298,700	522,000	396,500	709,000	300,800	569,000	219,400	162,800	301,200	249,500
MEAN	18,100	20,770	9,635	16,840	14,160	22,870	10,030	18,350	7,313	5,252	9,716	8,317
MAX	35,000	43,000	14,000	28,000	33,000	35,000	34,000	31,000	9,700	12,000	12,000	12,000
MIN	10,000	14,000	6,500	11,000	7,600	12,000	5,800	10,000	4,700	4,100	7,500	5,300
AC-FT	1,113,000	1,236,000	592,500	1,035,000	786,500	1,406,000	596,600	1,129,000	435,200	322,900	597,400	494,900
CAL YR 1970: TOTAL	9,254,700	MEAN	25,360	MAX	114,000	MIN	4,400	AC-FT	18,360,000			
WTR YR 1971: TOTAL	4,912,900	MEAN	13,460	MAX	43,000	MIN	4,100	AC-FT	9,745,000			

07367000 Ouachita River at Monroe, La.

LOCATION.--Lat 32°30'19", long 92°07'32", in lot 50, T.18 N., R.3 E., Ouachita Parish, near center of span on downstream side of bridge on U. S. Highway 80 at Monroe, 0.4 mile upstream from Illinois Central Railroad bridge, and 5.5 miles upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 sq mi.

PERIOD OF RECORD.--January 1932 to September 1971. Monthly discharge only for some periods, published in WSP 1311. 1884 to 1891 (gauge heights), 1892 to 1927 (gauge heights and discharge measurements), and since January 1928 (daily discharges) in reports of Mississippi River Commission. Discharge measurements 1929-38 in reports of Corps of Engineers. Daily gauge heights since June 1884 in reports of U. S. Weather Bureau.

GAGE.--Nonrecording gage read once daily. Datum of gage is 31.40 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 6, 1937, nonrecording gages at several sites within half a mile of present site at same datum. Since Jan. 1, 1954, supplemental nonrecording gage 2.2 miles downstream from lock and dam No. 4 read twice daily, at datum 30.10 ft above mean sea level.

AVERAGE DISCHARGE.--39 years (1932-71), 16,970 cfs (12,290,000 acre-ft per year).

EXTREMES.--1970-71: Maximum discharge during year, 19,900 cfs May 19; maximum gage height, 19.8 ft May 18-20; minimum discharge not determined; minimum gage height observed, 13.3 ft June 19, 20.

Period of record: Maximum discharge, 101,000 cfs on Feb. 2, 3, 1932; maximum gage height, 50.45 ft May 23, 1958; minimum discharge not determined (pool stage); minimum gage height observed, 12.1 ft Jan. 3, 1944.

REMARKS.--Stage-discharge relation below 10,000 cfs affected by operation of lock and dam No. 4. Flow regulated by Lake Greason since November 1949 (usable capacity, 330,000 acre-ft), by Lake Catherine since 1925 (usable capacity, 21,300 acre-ft), by Lake Hamilton since 1932 (usable capacity, 119,560 acre-ft), by Lake Ouachita since July 1952 (usable capacity, 1,903,000 acre-ft), and a series of locks and dams. Records of chemical analyses and water temperatures for the water year 1971 are published in Part 2 of the 1971 report.

COOPERATION.--Gage-height record, and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,100	9,100	3,400	11,900	8,000	19,600	9,300	4,600	1,300	1,200	17,000	2,900
2	2,900	9,400	2,100	11,700	7,800	19,700	9,200	5,700	3,200	1,100	17,300	2,700
3	2,200	9,000	1,100	11,900	7,000	19,200	9,000	5,900	5,020	1,400	17,100	2,800
4	1,400	8,900	1,100	12,000	6,000	18,100	8,700	5,500	4,700	2,000	16,000	3,000
5	1,400	8,800	1,900	12,200	5,000	15,100	8,400	4,430	4,000	1,400	14,300	2,900
6	1,400	8,900	3,100	12,700	4,900	13,400	7,970	5,100	4,900	2,600	13,300	2,800
7	1,400	9,400	3,900	13,000	6,000	12,600	7,000	6,200	5,800	2,200	13,300	2,500
8	1,500	9,200	3,900	13,200	7,000	12,400	6,000	7,600	6,000	1,500	14,800	2,340
9	1,500	7,800	3,400	13,900	7,400	12,300	5,000	7,700	5,800	1,700	16,000	2,300
10	1,400	6,100	3,000	14,200	6,500	12,000	4,000	8,300	5,300	1,900	17,100	2,000
11	1,200	4,300	3,300	14,400	5,800	11,200	3,800	11,000	4,300	2,100	17,900	1,900
12	1,800	5,100	4,200	14,600	5,100	10,900	2,900	13,400	3,400	2,300	18,200	1,800
13	2,600	5,700	4,700	14,000	5,700	11,000	2,400	15,100	2,800	1,440	18,800	1,400
14	2,500	6,300	4,500	12,800	6,200	11,900	2,500	16,500	2,500	1,200	19,100	1,500
15	2,200	6,000	4,100	12,000	7,100	12,800	2,700	17,800	2,120	1,100	19,000	1,700
16	2,000	6,200	4,300	11,000	8,000	13,800	2,600	18,600	2,100	1,100	18,800	1,900
17	1,900	6,300	4,100	10,100	8,800	14,600	2,100	19,200	2,100	1,100	18,000	2,100
18	1,800	7,600	3,700	10,200	9,300	15,700	2,000	19,800	1,900	1,200	16,800	2,300
19	1,900	8,400	3,600	10,200	9,900	16,800	2,000	19,900	1,700	1,100	14,900	2,700
20	3,000	8,300	5,200	9,300	10,200	17,400	2,800	19,700	1,100	1,200	12,600	3,000
21	3,400	8,000	8,500	8,000	11,200	18,000	3,370	19,000	1,000	1,900	10,400	1,600
22	2,900	7,800	10,800	6,000	12,800	18,200	4,100	17,100	1,100	2,900	9,800	1,200
23	2,100	7,100	11,800	6,300	13,800	17,900	5,000	15,000	1,300	2,000	5,900	1,000
24	1,900	6,400	13,000	7,000	14,900	17,000	6,000	12,200	1,800	1,100	4,600	1,200
25	2,000	5,000	13,300	8,200	15,800	16,000	6,800	10,200	1,900	2,900	5,600	1,300
26	2,200	4,100	13,700	9,100	17,100	14,900	6,900	8,000	2,200	6,200	6,100	1,400
27	3,200	4,100	13,900	9,100	18,100	12,900	5,500	6,000	2,000	10,800	5,000	1,400
28	5,100	5,100	14,100	9,000	19,100	11,200	3,400	4,610	1,800	13,700	3,200	1,500
29	5,300	6,400	13,500	8,700	-----	10,300	3,000	3,000	1,600	15,500	3,100	1,600
30	4,900	5,400	12,700	8,200	-----	9,700	3,400	2,100	1,310	16,100	3,000	1,700
31	7,700	-----	12,000	8,100	-----	9,400	-----	1,800	-----	16,700	3,000	-----
TOTAL	79,800	210,200	205,900	333,000	264,500	446,000	147,840	331,040	86,050	120,640	390,000	60,440
MEAN	2,574	7,007	6,642	10,740	9,446	14,390	4,928	10,680	2,868	3,892	12,580	2,015
MAX	7,700	9,400	14,100	14,600	19,100	19,700	9,300	19,900	6,000	16,700	19,100	3,000
MIN	1,200	4,100	1,100	6,000	4,900	9,400	2,000	1,800	1,000	1,100	3,000	1,000
AC-FT	158,300	416,900	408,400	660,500	524,600	884,600	293,200	656,600	170,700	239,300	773,600	119,900
CAL YR 1970	TOTAL	6,159,800	MEAN	16,880	MAX	47,800	MIN	1,000	AC-FT	12,220,000		
WTR YR 1971	TOTAL	2,675,410	MEAN	7,330	MAX	19,900	MIN	1,100	AC-FT	5,307,000		

PART 2. WATER QUALITY RECORDS

02489500 PEARL RIVER NEAR BOGALUSA, LA.

REMARKS.--When discharge is greater than 11,300 cfs, there are five overflow channels. On these days sediment concentrations in the overflow channels are computed at 10 percent of the concentration in the main channel. This is used as a basis for computing total concentration and load.

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
NOV. 18	2,020	11	0	3.8	1.3	14	1.8	29	7.8	12
JAN. 18	38,800	8.2	170	3.9	1.3	3.6	2.1	10	15	3.1
MAY 25	3,740	9.3	260	4.1	1.2	7.5	1.8	14	8.4	7.9
JULY 17	2,570	11	200	3.4	.1	12	1.7	16	8.8	11
SEPT. 27	1,930	11	20	2.9	.7	13	2.7	19	10	10

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
NOV. 18	0.0	0.20	71	66	15	0	99	--	10	6.8
JAN. 18	.1	.20	88	43	15	7	51	10.0	80	5.7
MAY 25	.0	.20	60	48	15	4	78	26.5	30	6.9
JULY 17	.1	.10	62	57	9	0	87	--	40	6.4
SEPT. 27	.0	--	65	60	10	0	95	--	25	6.4

[illegible]

02489500 PEARL RIVER NEAR BOGALUSA, LA.--Continued

Suspended sediment, water year October 1971 to September 1972

Day	OCTOBER			NOVEMBER			DECEMBER		
	Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment	
		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day
1..	5,030	e38	516	2,250	4	24	3,550	e64	613
2..	4,510	e34	414	2,220	5	30	3,300	e40	356
3..	4,050	e30	328	2,270	5	31	6,200	e116	1,940
4..	3,680	e25	248	2,360	5	32	10,800	242	7,050
5..	3,320	20	179	2,320	4	25	10,800	230	6,700
6..	3,060	e18	149	2,220	3	18	11,400	199	6,120
7..	2,900	e17	133	2,160	e3	17	19,700	208	11,100
8..	2,780	12	90	2,140	e3	17	31,000	261	21,900
9..	2,750	5	37	2,120	e3	17	34,800	224	21,100
10..	2,800	4	30	2,120	4	23	37,800	124	12,700
11..	2,730	3	22	2,160	3	17	40,600	87	9,550
12..	2,640	3	21	2,180	3	18	44,600	63	7,570
13..	2,700	7	51	2,180	3	18	44,800	52	6,250
14..	2,710	4	29	2,190	2	12	44,600	47	5,610
15..	2,690	e2	15	2,160	3	17	44,200	45	5,420
16..	2,650	3	21	2,110	6	34	43,500	45	5,230
17..	2,660	e2	14	2,060	5	28	41,200	45	5,060
18..	2,710	3	22	2,020	7	38	37,800	47	4,820
19..	2,700	e3	22	2,000	12	65	34,800	48	4,520
20..	2,660	4	29	2,000	10	54	34,800	48	4,470
21..	2,630	e4	28	2,080	11	62	36,300	52	5,130
22..	2,600	e4	28	2,120	e18	103	39,400	64	6,840
23..	2,580	e4	28	2,360	e41	261	39,400	46	4,920
24..	2,570	e4	28	2,360	e52	331	36,300	39	3,810
25..	2,580	3	21	2,500	e55	371	31,700	e41	3,470
26..	2,550	e3	21	2,500	e56	378	25,100	44	3,000
27..	2,510	3	20	2,540	e56	384	18,800	e50	2,540
28..	2,490	4	27	2,610	54	381	15,900	e52	2,250
29..	2,460	3	20	3,170	56	479	14,400	53	2,060
30..	2,420	5	33	3,980	75	806	13,500	e52	1,900
31..	2,330	5	31	-----	--	---	12,700	50	1,710
Total	89,450	--	2,655	69,660	--	4,091	863,750	--	185,709
Day	JANUARY			FEBRUARY			MARCH		
	Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment	
		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day
1..	11,300	48	1,450	19,000	36	1,860	8,680	105	2,460
2..	9,460	51	1,300	22,300	53	3,210	10,600	97	2,780
3..	8,790	55	1,310	26,000	59	4,140	14,400	124	4,790
4..	9,830	63	1,670	28,000	50	3,760	19,500	164	8,630
5..	18,000	134	6,520	27,800	45	3,380	19,200	164	8,520
6..	24,500	186	12,300	23,600	58	2,680	21,000	113	6,410
7..	26,400	187	13,300	20,700	62	3,470	22,600	65	3,970
8..	26,700	e130	9,360	20,900	55	3,120	23,600	50	3,190
9..	27,600	e83	6,190	21,200	51	2,920	24,200	41	2,660
10..	27,700	50	3,740	21,200	49	2,780	23,600	40	2,540
11..	28,600	44	3,400	21,700	48	2,820	22,600	41	2,500
12..	30,100	46	3,700	22,900	53	3,260	22,100	44	2,640
13..	32,200	62	5,350	24,300	54	3,540	2,200	51	3,020
14..	33,900	95	8,650	24,700	41	2,740	21,300	53	3,050
15..	36,100	66	6,450	24,100	37	2,430	19,800	54	2,900
16..	37,500	e48	4,820	24,000	e38	2,470	18,400	55	2,750
17..	38,400	e37	3,790	25,000	e37	2,510	17,000	56	2,560
18..	38,800	32	3,340	26,400	36	2,580	15,300	58	2,390
19..	39,000	34	3,530	25,800	37	2,550	13,600	60	2,190
20..	40,200	42	4,590	21,700	40	2,360	11,700	60	1,880
21..	41,000	51	5,600	18,000	44	2,150	9,880	58	1,550
22..	41,800	45	5,090	16,100	47	2,030	8,600	56	1,300
23..	42,100	36	4,070	14,700	52	2,050	8,000	55	1,190
24..	42,300	29	3,330	13,100	59	2,100	7,500	53	1,070
25..	42,500	32	3,720	11,800	57	1,800	7,190	51	990
26..	42,700	36	4,160	10,900	45	1,320	6,970	48	903
27..	42,100	36	4,130	10,300	36	1,000	6,610	46	821
28..	40,200	33	3,560	9,360	32	809	6,600	e65	1,160
29..	36,000	29	2,780	7,990	36	777	8,740	95	2,240
30..	22,200	25	1,510	-----	--	-----	10,600	e73	2,090
31..	17,600	28	1,330	-----	--	-----	11,600	e63	1,960
Total	955,580	--	144,040	583,550	--	72,616	463,470	--	87,104

e Estimated

02489500 PEARL RIVER NEAR BOGALUSA, LA.--Continued

Suspended sediment, water year October 1971 to September 1972

Day	APRIL			MAY			JUNE		
	Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment	
		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day
1..	12,100	63	2,020	3,950	36	384	2,800	20	151
2..	11,400	67	2,040	3,680	41	407	2,740	15	111
3..	10,800	63	1,840	4,310	55	640	2,680	14	101
4..	10,700	62	1,790	6,140	81	1,340	2,630	14	99
5..	10,600	61	1,750	5,460	145	2,140	2,590	13	91
6..	9,150	58	1,430	6,320	96	1,640	2,550	12	83
7..	9,020	58	1,410	7,520	e112	2,270	2,500	12	81
8..	8,610	54	1,260	15,500	177	7,410	2,480	10	67
9..	7,330	41	811	25,100	e231	15,700	2,430	9	59
10..	6,360	32	550	17,400	e207	9,700	2,440	9	59
11..	5,800	27	423	12,000	e169	5,490	2,650	17	122
12..	5,500	25	371	21,300	e154	8,880	2,640	13	93
13..	5,290	22	324	23,200	e208	13,000	2,680	10	72
14..	5,110	20	276	18,700	e132	6,670	2,510	12	81
15..	4,870	16	210	16,200	e101	4,420	2,520	12	82
16..	4,590	17	211	14,400	82	3,190	2,480	16	107
17..	4,510	33	402	11,200	68	2,040	2,900	20	157
18..	4,740	44	563	9,880	55	1,470	2,870	18	139
19..	4,960	29	388	8,430	46	1,050	2,710	17	124
20..	4,650	21	264	6,990	40	755	2,630	17	121
21..	4,130	26	290	6,110	36	594	2,610	17	120
22..	3,840	36	373	5,540	32	479	2,480	16	107
23..	4,830	50	652	4,920	28	372	2,450	14	93
24..	6,910	84	1,570	4,180	26	293	2,550	12	83
25..	6,390	169	2,920	3,740	24	242	2,480	8	54
26..	4,650	82	1,030	3,450	24	224	2,430	7	46
27..	4,010	48	520	3,270	25	221	2,380	6	39
28..	3,740	42	424	3,120	26	219	2,340	6	38
29..	3,710	38	381	3,010	25	203	2,320	6	38
30..	3,970	36	386	2,960	e24	192	2,300	6	37
31..	-----	--	---	2,900	e23	180	-----	--	--
Total	192,270	--	26,869	280,890	--	91,815	76,870	--	2,655
	JULY			AUGUST			SEPTEMBER		
	Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment		Mean discharge (cfs)	Suspended sediment	
		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day		Mean concentration (mg/l)	Tons per day
1..	2,360	6	38	2,620	e25	177	1,980	9	48
2..	2,640	6	43	3,090	e52	434	1,960	10	53
3..	3,260	10	88	3,360	e59	535	1,920	e9	47
4..	3,020	13	106	3,080	e42	349	1,940	9	47
5..	2,620	9	64	2,730	e28	206	1,930	e8	42
6..	2,800	e10	76	2,420	e18	118	1,880	e8	41
7..	2,870	12	93	2,240	e14	85	1,820	e8	39
8..	2,670	e8	58	2,140	e12	69	1,780	8	38
9..	2,500	8	54	2,080	12	67	1,760	e8	38
10..	2,340	7	44	2,040	10	55	1,780	10	48
11..	2,260	7	43	2,110	8	46	1,870	e10	50
12..	2,220	6	36	2,120	10	57	1,840	e10	50
13..	2,260	e7	43	2,260	7	43	1,820	8	39
14..	2,500	10	68	2,270	e31	190	1,800	e9	44
15..	2,580	17	118	2,240	e20	121	1,760	e10	48
16..	2,640	e12	86	2,280	12	74	1,740	e10	47
17..	2,600	10	70	2,270	12	74	1,720	e10	46
18..	2,760	9	67	2,290	13	80	1,720	10	46
19..	2,670	8	58	2,180	11	65	1,720	9	42
20..	2,480	7	47	2,150	8	46	1,750	e10	47
21..	2,400	6	39	2,070	6	34	1,810	e10	49
22..	2,510	e13	88	2,040	e6	33	1,820	e12	59
23..	2,640	14	100	2,040	8	44	1,960	e17	90
24..	2,450	10	66	2,120	12	69	1,900	e13	67
25..	2,310	7	44	2,240	e22	133	1,800	e9	44
26..	2,280	8	49	2,300	e21	130	1,800	e10	49
27..	2,530	12	82	2,280	12	74	1,930	e25	130
28..	2,560	13	90	2,340	15	95	2,170	e27	158
29..	2,440	e10	66	2,370	13	83	2,220	e15	90
30..	2,440	10	66	2,160	10	58	2,100	e9	51
31..	2,550	14	96	2,020	9	49	-----	--	--
Total	79,200	--	2,086	72,270	--	3,693	56,000	--	1,687

e Estimated

07344400 RED RIVER NEAR HOSSTON, LA.

LOCATION.--Lat 32°53'35", long 93°49'20", in SW¼ sec.16, T.22 N., R.14 W., Caddo-Bossier Parish line, at gaging station at bridge on State Highway 2, 1.8 miles downstream from Dry Prong Bayou, and 3.2 miles east of Hosston.

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

PERIOD OF RECORD.--Chemical analyses: March 1957 to September 1972.

Water temperatures: March 1957 to September 1972.

EXTREMES.--1971-72:

Specific conductance: Maximum daily, 1560 micromhos Aug. 5; minimum daily, 152 micromhos Dec. 26.

Water temperatures: Maximum, 31°C June 18-20, 24-26, June 28 to July 4, July 17-19, Aug. 21-23; minimum, 6°C Feb. 3-7, 12, 14.

Period of record:

Specific conductance: Maximum daily, 1,950 micromhos Aug. 15, 1964; minimum daily, 152 micromhos May 15, 1961, Dec. 26, 1971.

Water temperatures: Maximum, 34°C July 12, 13, 21, 1969; minimum, 1°C Jan. 11, 1962, Jan. 28, 1963, Dec. 24, 1964, Jan. 7, 8, 14, 1968.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
DEC. 1	10000	6.3	0	37	7.9	46	4.4	112	42	69
JAN. 18	24500	6.0	40	35	5.3	37	2.6	92	35	58
FEB. 29	10500	4.7	0	47	9.9	68	3.4	128	59	100
APR. 20	5500	5.8	10	69	17	100	3.7	191	92	150
MAY 16	4960	8.0	20	36	6.3	18	2.3	134	16	22
JUNE 9	3090	5.9	10	75	22	130	7.0	196	110	200
AUG. 2	4000	5.6	20	84	20	160	4.1	172	130	260
SEPT. 6	1050	9.5	30	96	24	160	4.0	251	120	240

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
DEC. 1	0.3	0.10	258	268	120	33	465	9.0	15	7.7
JAN. 18	.2	.30	224	225	110	34	404	7.5	30	7.2
FEB. 29	.2	.10	380	356	160	53	637	15.5	15	7.4
APR. 20	.2	.02	550	532	240	84	987	22.0	5	7.3
MAY 16	.2	.05	187	175	120	6	325	24.0	5	7.3
JUNE 9	.2	.09	691	648	280	120	1140	27.0	10	7.8
AUG. 12	.3	.05	838	749	290	150	1410	30.0	10	7.2
SEPT. 6	.5	.07	831	778	340	130	1360	28.0	10	7.1

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e18	19	10	12	7	14	16	19	28	31	30	30
2	e18	19	10	12	7	13	16	21	28	31	30	30
3	e18	18	9	12	6	12	16	21	28	e31	30	30
4	18	18	9	11	6	12	16	21	18	31	30	28
5	20	18	8	10	6	12	16	21	29	30	30	28
6	20	18	8	9	6	12	17	21	29	30	30	28
7	21	17	8	9	6	13	17	21	30	30	30	28
8	21	17	8	9	7	13	17	21	30	30	30	28
9	19	17	8	9	7	14	18	22	30	30	30	28
10	21	17	8	9	7	14	18	22	30	30	30	28
11	20	17	8	9	7	14	18	22	30	30	30	28
12	19	17	7	9	6	13	18	22	30	30	30	28
13	19	16	8	9	7	13	18	22	30	30	30	28
14	19	16	9	e9	6	14	19	23	30	30	30	28
15	19	16	11	9	7	17	19	23	29	30	30	28
16	19	16	11	7	9	17	19	23	30	30	30	27
17	19	16	10	7	9	18	20	23	30	31	30	27
18	19	16	11	e9	9	18	20	24	31	31	30	26
19	20	16	11	e10	9	17	21	25	31	31	30	26
20	21	16	11	11	8	19	21	26	31	30	30	26
21	21	16	11	12	9	19	21	27	30	30	31	26
22	22	15	11	12	9	19	21	27	30	30	31	26
23	20	15	11	12	10	19	21	27	30	30	31	26
24	20	14	11	12	10	19	21	27	31	30	30	26
25	20	14	11	12	11	17	21	27	31	30	30	26
26	19	14	11	11	11	18	21	27	31	30	30	26
27	19	12	11	11	13	18	18	28	30	30	30	26
28	19	11	11	10	13	18	18	28	31	30	30	26
29	19	11	11	10	14	16	19	28	31	30	30	26
30	e19	10	12	9	----	16	19	28	31	30	30	25
31	19	----	12	7	----	16	----	28		30	30	---
AVERAGE e Estimated	20	16	10	10	8	16	19	24	29	30	30	27

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA.

LOCATION.--Lat 32°59'40", long 93°23'45", in NE¼NE¼ sec.16, T.23 N., R.10 W., Webster Parish, at gaging station at bridge on State Highway 157, 0.4 mile downstream from Crooked Creek, 1.7 miles downstream from Arkansas-Louisiana State line, and 2.8 miles southeast of Springhill city limits.

DRAINAGE AREA.--605 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, October 1961 to September 1962, October 1967 to September 1972 (discontinued).

REMARKS.--Conductance recorder with probe 2 ft from stream bottom; daily mean values are reported in daily conductance table.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO2) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
DEC. 1	20	11	40	13	3.0	66	4.1	47	19	92
JAN. 24	175	15	20	15	4.0	53	1.4	12	11	100
FEB. 29	150	8.6	0	17	4.3	67	2.6	15	8.2	130
APR. 20	60	13	40	19	2.8	64	3.2	20	.8	130
MAY 18	60	15	110	18	4.6	68	3.4	16	6.8	130
JUNE 20	3.1	15	20	24	6.3	96	5.2	74	10	160
AUG. 1	27	9.2	10	16	3.9	68	3.1	44	14	110
SEPT. 7	16	16	40	19	10	120	5.7	90	11	180
SEPT. 18	19	--	--	--	--	--	--	--	--	--

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
DEC. 1	0.2	0.30	242	232	45	6	440	9.0	20	6.8
JAN. 24	.1	.02	275	211	54	44	402	16.0	15	6.2
FEB. 29	.1	.07	306	245	60	48	478	15.0	15	6.8
APR. 20	.2	.20	320	244	59	43	471	22.0	20	6.7
MAY 18	.2	.10	327	254	64	51	501	20.0	10	6.0
JUNE 20	.1	.02	387	353	86	25	677	27.5	10	--
AUG. 1	.2	.10	271	247	56	20	493	29.0	25	6.4
SEPT. 7	.3	.60	450	409	89	16	809	25.0	15	7.0
SEPT. 18	--	--	--	--	--	--	819	26.0	--	--

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	390	710	420	600	360	475	280	500	510	1,220	480	980
2	390	715	420	410	330	470	270	500	515	1,080	500	970
3	395	700	--	340	370	420	300	530	520	1,000	560	980
4	395	690	--	--	380	430	300	470	540	840	600	955
5	400	680	--	--	370	440	300	450	560	550	600	800
6	400	680	--	--	350	410	295	370	660	565	590	870
7	395	680	--	--	340	370	295	340	780	540	590	1,100
8	395	675	--	--	340	410	320	350	810	500	600	1,100
9	395	670	--	600	340	460	330	345	800	490	600	1,040
10	405	660	550	360	340	500	360	360	800	480	610	960
11	435	660	520	350	340	510	390	395	780	440	570	950
12	440	650	500	250	345	490	430	420	760	660	600	950
13	460	650	500	270	370	410	460	460	750	675	940	950
14	490	670	520	280	420	380	500	475	680	660	1,060	940
15	550	680	560	295	450	370	520	480	590	660	1,020	930
16	590	680	620	300	455	390	520	480	550	650	990	900
17	620	680	640	300	460	385	515	480	560	635	920	860
18	640	660	640	320	455	350	515	485	560	600	870	840
19	645	580	645	350	435	400	520	500	580	595	870	810
20	660	610	660	390	445	430	520	490	740	585	840	795
21	680	640	760	395	480	430	500	500	1,030	580	820	790
22	670	700	750	405	480	430	510	510	1,200	580	820	785
23	665	540	640	410	460	435	510	520	1,400	600	650	780
24	655	400	650	410	490	425	510	520	1,490	620	840	760
25	640	360	635	410	490	425	520	520	1,400	680	1,250	740
26	660	350	--	415	480	430	515	520	1,700	720	1,160	720
27	675	380	--	420	480	400	510	515	1,680	735	1,040	740
28	675	405	--	435	480	420	500	520	1,580	745	1,000	920
29	680	420	930	390	475	340	510	520	1,500	680	1,000	1,040
30	700	420	880	360	---	290	510	515	1,320	640	1,020	980
31	700	---	820	360	---	260	---	510	---	560	1,000	---
AVERAGE	545	600	--	--	415	412	435	469	882	663	807	910

07349000 BAYOU DORCHEAT NEAR MINDEN, LA.

LOCATION.--Lat 32°35'55", long 93°20'00", in NW¼ sec.31, T.19 N., R.9 W., Webster Parish, on left bank 500 ft upstream from bridge on U.S. Highway 80, 0.8 mile upstream from Louisiana & Arkansas Railway Co. bridge, 3.0 miles west of Minden, and 28 miles upstream from Bistineau Dam.

DRAINAGE AREA.--1,097 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SI02) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	19	9.3	90	7.2	1.9	14	2.3	25	5.8	24
NOV. 10	.20	12	50	7.6	1.7	15	2.0	34	5.6	20
DEC. 29	146	15	70	21	7.2	85	6.4	18	13	170
JAN. 20	1150	10	70	10	2.4	36	2.9	8	14	66
FEB. 16	493	13	80	13	2.8	47	2.1	14	8.6	89
MAR. 22	796	9.1	--	13	3.8	48	2.0	12	6.4	97
APR. 27	70	13	--	16	4.4	58	3.4	24	.6	110
MAY 18	127	11	240	14	3.6	50	1.8	18	11	97
JUNE 15	3.8	8.3	70	15	4.0	53	2.3	22	5.0	100
JULY 11	36	8.8	140	16	4.9	52	3.2	43	13	88
AUG. 16	1.8	7.9	0	16	3.7	61	3.4	34	6.0	110
SEPT. 13	.32	11	10	15	3.1	57	4.5	39	4.2	100

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- CORAL UNITS)	PH (UNITS)
OCT. 21	0.1	--	99	77	26	5	144	24.0	20	6.0
NOV. 10	.1	--	98	81	26	0	136	13.0	10	7.1
DEC. 29	.1	0.10	394	325	82	67	636	13.0	15	6.4
JAN. 20	.2	.09	194	146	35	28	283	--	50	6.1
FEB. 16	.1	.09	248	183	44	33	341	10.0	40	6.8
MAR. 22	.1	.10	245	186	48	38	360	17.5	40	6.2
APR. 27	.3	.10	300	218	58	38	435	19.5	55	6.8
MAY 18	.1	.10	256	198	50	35	388	22.5	50	6.7
JUNE 15	.2	.02	255	199	54	36	413	27.0	20	7.1
JULY 11	.1	.09	226	207	60	24	384	30.0	30	7.3
AUG. 16	.3	.07	244	226	55	27	449	29.0	20	6.6
SEPT. 13	.1	.02	239	214	50	18	413	29.0	10	6.8

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	6.7	1.2	28	0.00	0.02	0	710	150	140
NOV. 10	7.8	1.7	35	--	.04	2	220	--	52
DEC. 29	8.4	3.8	28	.00	--	75	--	370	2500
JAN. 20	8.2	1.0	36	.00	--	0	510	60	90
FEB. 16	9.7	2.4	17	.00	--	0	160	180	28
MAR. 22	7.8	6.6	36	.00	--	32	440	140	42
APR. 27	6.3	2.2	49	.00	--	18	4600	32	12
MAY 18	6.7	1.3	35	--	--	0	350	44	15
JUNE 15	6.0	1.7	29	.00	--	15	960	80	50
JULY 11	10.0	--	39	.00	--	14	--	53	350
AUG. 16	5.5	.4	25	.00	--	79	30	6	5
SEPT. 13	6.2	1.2	--	.00	--	209	260	24	3

07350500 RED RIVER AT COUSHATTA, LA.

LOCATION.--Lat 32°00'45", long 93°21'10", Red River Parish, at bridge on U.S. Highway 84 at Coushatta and 11 miles downstream from Coushatta Bayou.

DRAINAGE AREA.--63,362 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	--	5.8	10	52	8.3	67	4.0	143	52	100
NOV. 10	--	8.7	30	36	4.4	29	3.1	119	25	37
DEC. 29	--	7.6	0	21	1.8	8.2	2.3	70	9.8	11
JAN. 20	--	6.0	10	27	4.5	37	1.3	76	29	53
FEB. 16	--	5.9	60	39	7.9	59	3.2	104	50	84
MAR. 22	--	6.6	170	39	8.9	54	1.4	132	40	73
APR. 27	--	5.7	10	66	18	110	4.8	178	100	170
MAY 18	--	5.4	50	32	7.3	21	2.3	122	19	27
JUNE 15	--	4.7	10	72	20	100	3.2	218	93	150
JULY 12	--	1.1	0	74	20	150	5.1	168	120	230
AUG. 16	--	6.3	10	79	24	140	6.0	226	120	210
SEPT. 13	--	9.6	0	80	25	120	6.5	252	94	200

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.3	0.00	374	359	164	47	657	25.0	30	7.4
NOV. 10	.2	.00	205	203	108	10	359	14.0	20	7.5
DEC. 29	.1	.10	96	96	60	3	163	12.0	25	6.7
JAN. 20	.2	.05	222	195	86	24	376	--	30	7.4
FEB. 16	.2	.07	330	300	130	45	540	9.0	50	8.0
MAR. 22	.2	.07	304	288	130	26	510	19.0	40	7.5
APR. 27	.4	.05	590	563	240	90	993	21.0	20	7.8
MAY 18	.2	.05	187	174	110	10	324	26.5	10	7.7
JUNE 15	.3	.05	567	550	260	82	977	27.0	20	8.2
JULY 12	.2	.02	712	684	270	130	1260	29.0	10	8.0
AUG. 16	.3	.02	699	696	300	110	1230	28.0	20	7.8
SEPT. 13	.3	.02	722	660	300	95	1180	29.0	10	8.1

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	8.4	6.8	18	0.00	0.18	282	--	310	14000
NOV. 10	9.0	5.0	26	--	.13	47	34000	2600	11000
DEC. 29	8.7	4.7	17	.00	--	701	51000	720	4300
JAN. 20	8.4	7.0	29	.00	--	140	71000	490	10000
FEB. 16	11.0	8.8	12	.00	--	96	92000	600	--
MAR. 22	8.8	5.4	16	.00	--	39	100000	170	10000
APR. 27	9.2	4.8	39	.00	--	66	53000	140	2400
MAY 18	7.9	5.8	9	--	--	16	7600	60	1000
JUNE 15	7.2	6.7	18	.00	--	31	4200	140	140
JULY 12	8.8	--	24	.00	--	57	--	16	73
AUG. 16	5.9	5.8	21	.00	--	27	260	24	--
SEPT. 13	7.5	6.2	--	.00	--	9	--	52	5000

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA.

LOCATION.--Lat 32°59'25", long 91°39'20", in SE¼SW¼ sec.9, T.23 N., R.8 E., Morehouse Parish, on downstream side of right pier of bridge on State Highway 834, 1.0 mile downstream from Arkansas-Louisiana State line, and 1.6 miles northwest of Jones.

DRAINAGE AREA.--1,187 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, October 1967 to September 1972.
Water temperatures: October 1958 to September 1968.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FF) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 20	126	15	0	30	6.6	20	3.0	149	4.2	17
NOV. 17	70	16	0	32	7.6	22	3.1	164	3.8	19
DEC. 2	88	16	30	30	7.8	20	3.0	154	3.2	18
JAN. 7	1960	5.0	180	4.5	1.6	6.5	2.9	20	8.2	6.9
JAN. 19	2730	6.2	110	3.8	1.3	4.0	3.1	18	6.8	4.5
FEB. 17	741	5.9	240	5.3	2.1	5.7	3.5	23	10	5.9
APR. 6	1350	5.7	80	5.2	1.2	5.2	3.2	20	7.4	4.1
MAY 10	426	8.7	120	10	2.9	8.0	3.1	48	5.4	7.6
JUNE 14	95	16	0	26	8.0	22	3.7	120	10	26
JULY 26	109	14	10	20	6.8	16	2.8	97	8.6	20
SEPT. 11	109	13	20	26	8.3	19	2.8	127	6.2	22

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- CORAL) UNITS)	PH (UNITS)
OCT. 20	0.3	0.02	158	169	100	0	280	25.0	5	7.4
NOV. 17	.3	.04	169	185	110	0	305	20.5	5	7.2
DEC. 2	.3	.02	169	174	110	0	292	6.0	5	7.0
JAN. 7	.1	.07	80	46	18	0	72	--	60	6.3
JAN. 19	.1	.10	68	39	15	0	63	12.0	50	6.6
FEB. 17	.2	.09	90	50	22	3	79	11.0	40	6.7
APR. 6	.1	.20	75	43	16	2	68	16.0	40	6.8
MAY 10	.2	.20	88	71	37	0	120	20.5	20	6.9
JUNE 14	.2	.02	176	171	98	0	302	28.0	0	7.2
JULY 26	.2	.07	155	137	78	0	244	31.0	10	6.8
SEPT. 11	.2	.09	163	161	99	0	269	30.0	10	7.1

07364521 BAYOU BARTHOLOMEW NEAR STERLINGTON, LA.

LOCATION.--Lat 32°43'21", Long 92°02'26", Morehouse Parish, at bridge on parish road near Sterlington and 5.4 miles from junction of U.S. Highway 165 and State Highway 2.

DRAINAGE AREA.--1,662 sq mi.

PERIOD OF RECORD.--Chemical analyses: December 1969 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	--	17	20	25	6.2	17	2.7	125	4.6	16
NOV. 10	--	19	20	28	7.3	22	2.1	145	6.6	20
DEC. 29	--	13	110	11	2.3	10	3.9	50	8.2	8.3
JAN. 19	--	6.1	30	3.5	1.3	4.0	2.8	17	3.0	3.9
FEB. 17	--	8.0	190	4.9	1.4	6.7	2.4	23	10	5.6
MAR. 2	--	9.0	180	8.3	3.0	8.0	2.7	40	10	7.1
APR. 27	--	8.5	27	6.3	2.3	5.0	2.5	29	4.6	4.8
MAY 17	--	11	200	10	2.9	10	2.8	47	9.2	11
JUNE 15	--	14	90	19	5.5	16	2.7	92	7.6	15
JULY 12	--	8.8	100	12	2.4	8.0	3.5	54	6.2	8.8
AUG. 15	--	14	0	20	6.8	18	3.2	103	7.8	19
SEPT. 12	--	14	10	25	6.0	18	2.7	120	4.2	17

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.1	0.00	157	151	88	0	251	23.0	10	6.7
NOV. 10	.2	.05	185	176	100	0	288	14.0	10	7.8
DEC. 29	.1	.10	94	82	37	0	134	13.0	35	7.0
JAN. 19	.1	1.0	78	33	14	0	54	8.5	50	6.6
FEB. 17	.1	.20	94	51	18	0	78	9.0	80	7.2
MAR. 2	.1	.20	85	69	33	0	104	15.0	60	6.7
APR. 27	.2	.20	90	49	25	1	74	19.5	60	7.0
MAY 17	.1	.20	102	81	37	0	132	25.0	40	7.2
JUNE 15	.2	.05	127	125	70	0	217	28.0	20	7.8
JULY 12	.1	.20	88	78	40	0	129	25.0	40	7.5
AUG. 15	.2	.02	127	140	78	0	245	30.0	20	7.2
SEPT. 12	.2	.00	172	146	87	0	264	30.5	5	7.4

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	8.4	0.9	18	0.00	0.16	24	100	64	33
NOV. 10	9.4	.6	2	--	.04	0	60	16	13
DEC. 29	9.4	1.4	23	.00	--	33	270	76	62
JAN. 19	9.9	1.7	36	.00	--	50	490	140	170
FEB. 17	11.0	2.9	21	.00	--	82	250	--	60
MAR. 2	9.3	1.5	52	.00	--	49	1300	700	--
APR. 27	7.5	1.8	39	.00	--	73	400	16	75
MAY 17	7.0	1.5	15	--	--	42	1400	40	28
JUNE 15	7.4	1.4	21	.00	--	23	50	66	22
JULY 12	6.7	.6	31	.00	--	62	190	92	33
AUG. 15	7.5	1.3	16	.00	--	3	38	4	5
SEPT. 12	7.2	1.4	--	.00	--	2	75	12	--

07364700 BAYOU DE LOUITRE NEAR LARAN, LA.

LOCATION.--Lat 32°57'20", long 92°29'59", in NW¼ sec.29, T.23 N., R.1 W., Union Parish, at gaging station at bridge 1.5 miles southwest of Laran, 1.5 miles downstream from Lion Creek, and 3.0 miles upstream from bridge on State Highway 550.

DRAINAGE AREA.--141 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, October 1967 to September 1972.
Water temperatures: October 1967 to September 1972 (discontinued).

EXTREMES.--1971-72:

Specific conductance: Maximum daily recorded, 5,940 micromhos Aug. 18; minimum daily, unknown.
Water temperatures: Maximum daily, 27°C for many days; minimum daily, 3°C Jan. 6, 7, 20.

Period of record:

Specific conductance: Maximum daily, 11,600 micromhos July 24, 1969; minimum daily, 115 micromhos Jan. 11, 1968.
Water temperatures: Maximum, 32°C June 12, 14-16, 1971; minimum, 1°C Jan. 11-13, Feb. 22, 1968, Jan. 10, 20, Feb. 4, 1970.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
NOV. 30	63	12	10	65	13	320	20	35	49	570
JAN. 21	70	13	0	61	13	280	6.2	25	28	560
FEB. 23	53	7.2	10	70	11	260	4.8	47	30	510
APR. 6	57	6.3	40	44	0.8	160	4.0	28	17	310
MAY 15	52	8.5	0	50	10	200	6.0	46	19	380
JULY 6	301	10	20	24	4.1	90	3.0	25	12	180
JULY 31	26	8.2	20	94	17	460	6.5	74	29	860
SEPT. 15	7.2	--	0	160	28	780	14	98	39	1500

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF COM- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
NOV. 30	0.3	0.50	1280	1070	210	185	1790	7.0	15	6.5
JAN. 21	.3	.10	1110	974	200	180	1860	--	20	6.7
FEB. 23	.8	.02	1090	917	220	180	1770	14.0	15	6.8
APR. 6	.5	.09	677	563	140	120	1100	19.0	30	6.7
MAY 15	.4	.10	873	697	170	130	--	19.0	20	6.8
JULY 6	.3	.10	411	336	77	56	665	24.0	35	6.2
JULY 31	.4	.07	1890	1500	300	240	--	24.0	20	6.9
SEPT. 15	.5	.05	2990	2570	520	440	4870	29.0	20	7.0

07364700 BAYOU DE LOUTRE NEAR LARAN, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

TEMPERATURE (°C) OF WATER, YEAR OCTOBER 1971 TO SEPTEMBER 1972 (ONCE-DAILY MEASUREMENT)												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,140	3,710	--	--	1,110	1,460	1,070	594				
2	3,180	3,690	--	--	1,110	1,470	1,070	1,030	2,490	1,280	4,150	5,560
3	3,500	4,060	--	--	1,120	1,520	833	1,100	2,510	1,290	4,400	4,420
4	3,490	4,090	--	--	1,200	1,510	859	1,310	2,510	944	4,360	4,460
5	3,200	4,730	--	--	1,220	1,320	1,000	1,150	2,520	901	4,370	4,560
6	3,220	4,780	--	--	1,460	1,310	1,340	1,300	2,720	733	4,310	3,990
7	2,980	4,290	--	--	1,480	1,380	1,290	1,150	2,730	722	4,310	4,750
8	2,990	4,290	--	--	1,280	1,390	1,750	2,330	2,720	877	4,280	4,730
9	3,310	4,310	--	--	1,260	1,430	1,730	2,340	2,780	873	4,530	4,770
10	3,330	4,900	--	--	1,700	1,440	2,290	2,330	2,790	1,000	4,510	4,820
11	3,450	4,950	--	--	1,700	1,510	2,290	2,350	2,780	959	4,330	4,830
12	3,470	4,010	--	--	1,460	1,530	2,650	2,410	2,610	2,240	4,390	4,860
13	3,520	4,020	--	--	1,470	1,540	2,640	2,400	2,640	2,250	4,660	4,960
14	3,500	5,210	--	--	1,500	1,530	1,450	2,400	2,640	2,280	4,650	5,010
15	3,800	5,260	--	--	1,500	1,560	1,450	2,560	2,290	2,270	4,690	4,960
16	3,830	4,190	--	--	1,460	1,570	1,450	2,560	2,250	2,560	4,920	5,250
17	4,130	4,160	--	--	1,440	1,050	1,190	2,540	965	2,540	4,890	5,270
18	4,120	2,580	--	--	1,440	1,030	1,170	2,550	1,200	2,580	4,880	5,510
19	3,550	2,570	--	3,230	1,440	1,030	1,410	2,600	1,260	2,610	5,940	5,500
20	3,520	2,090	--	3,230	1,440	1,190	1,410	2,570	1,200	2,720	5,910	4,840
21	2,740	2,050	--	1,880	1,600	1,180	2,110	2,980	1,570	2,790	5,920	4,780
22	2,750	2,170	--	2,020	1,590	1,310	2,140	2,590	1,580	2,720	4,220	3,920
23	2,050	2,180	--	2,020	1,810	1,300	2,480	2,590	2,180	2,730	4,220	4,240
24	2,250	2,390	--	2,020	1,810	1,460	2,480	2,700	1,930	3,370	4,280	4,190
25	2,260	2,390	--	2,070	2,000	1,440	2,430	2,640	1,940	3,360	4,140	2,600
26	2,740	2,460	--	2,250	2,020	1,650	2,430	2,780	891	3,750	4,150	3,890
27	2,770	2,440	--	2,230	1,930	1,680	968	2,790				
28	2,790	2,290	--	968	1,920	1,550	1,020	2,930	877	3,790	4,170	2,380
29	2,780	2,310	--	993	1,350	1,550	772	2,750	667	4,120	4,440	3,320
30	3,190	2,030	--	993	1,360	1,290	729	2,780	670	4,160	4,490	3,330
31	3,210	-----	--	1,030	-----	1,200	596	2,400	993	4,260	5,570	--
AVERAGE	3,160	3,470	--	--	1,508	1,403	1,567	2,231	1,000	4,260	5,520	--
									-----	4,160	5,510	-----
				</								

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	20	--	--	7	13	18	19	23	26	27	25
2	24	20	--	--	6	13	18	19	23	27	27	25
3	22	19	--	--	6	14	18	19	23	27	26	25
4	22	17	--	--	5	10	18	20	23	27	27	25
5	21	17	--	--	5	10	16	21	23	26	26	25
6	21	14	--	--	5	11	18	21	23	26	26	25
7	20	11	--	--	5	12	16	21	23	26	26	25
8	18	9	--	--	5	12	16	21	23	26	26	25
9	18	11	--	--	6	12	16	22	24	27	26	25
10	16	11	--	--	7	13	17	22	26	27	26	25
11	16	11	--	--	7	14	18	23	27	26	27	25
12	16	11	--	--	9	15	18	22	27	26	27	26
13	16	12	--	--	9	15	18	22	26	26	27	26
14	17	12	--	--	9	16	19	22	26	26	27	26
5	20	16	--	--	10	16	19	22	27	26	27	26
6	20	16	--	--	11	16	19	23	24	26	27	26
7	20	15	--	--	11	17	20	23	24	26	27	26
8	20	16	--	--	10	18	20	22	23	26	27	26
9	21	15	--	9	9	15	19	22	23	26	27	26
0	20	12	--	12	10	14	19	22	24	26	27	26
21	20	10	--	12	10	14	19	22	25	26	27	25
22	19	10	--	14	11	16	20	23	26	27	27	26
23	18	10	--	15	11	17	19	23	26	26	26	25
24	18	11	--	15	13	18	18	23	25	26	27	24
25	18	9	--	14	13	17	8	23	25	26	27	25
26	18	7	--	13	14	16		23	25	26	27	25
27	18	8	--	12	15	15		23	25	26	27	25
28	18	9	--	12	13	18	17	23	26	26	26	25
29	19	10	--	12	12	e18	17	24	26	26	25	25
30	19	9	--	10	14	17	18	23	27	26	25	25
31	20	--	--	9	--	17	18	23	26	27	25	--
AVERAGE	19	13	--	9	--	18	--	23	26	27	25	--
e Estimated					9	15	18	22	25	26	26	--

07366000 CORNEY BAYOU NEAR LILLIE, LA.

LOCATION.--Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, 3.0 miles south of Lillie.

DRAINAGE AREA.--462 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1954 to September 1957, October 1959 to September 1960, October 1967 to September 1972.

Water temperatures: October 1967 to September 1972 (discontinued).

EXTREMES.--1971-72:

Specific conductance: Maximum daily recorded, 629 micromhos Feb. 26; minimum daily, unknown.

Water temperatures: Maximum, 30°C June 30; minimum, unknown.

Period of record:

Specific conductance (1967-72): Maximum daily, 834 micromhos Mar. 3, 4, 1968; minimum daily, 74 micromhos Nov. 12, 1970.

Water temperatures: Maximum, 30°C June 16, 17, 19, Aug. 11, 1968, July 14, many days in Aug. 1970, and June 26, 27, 1971, June 30, 1972; minimum, 2°C Jan. 14, 1968.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 18	9.0	7.2	0	31	5.5	75	2.5	9	3.8	180
NOV. 30	46	2.9	0	27	5.0	63	3.9	9	5.6	160
JAN. 21	225	8.9	10	16	3.4	32	3.4	6	8.6	81
FEB. 23	130	6.4	30	23	4.0	48	2.8	5	9.0	120
APR. 6	410	8.0	20	26	4.6	61	2.8	4	6.6	140
MAY 15	103	6.3	120	24	3.9	54	2.8	8	4.6	130
JULY 6	57	6.5	20	9.0	1.1	18	2.4	8	6.4	39
JULY 31	9.6	9.0	0	44	5.4	57	2.2	67	4.8	140
SEPT. 15	1.5	--	--	--	--	--	--	--	--	--

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 18	0.1	0.00	441	305	100	93	604	--	5	6.1
NOV. 30	.1	.00	359	268	88	81	562	8.0	10	6.4
JAN. 21	.1	.09	235	157	54	49	302	--	10	6.1
FEB. 23	.1	.02	329	215	74	70	436	12.0	10	6.1
APR. 6	.1	.09	350	252	84	81	510	16.0	10	5.8
MAY 15	.1	.10	311	228	76	69	475	19.0	20	5.9
JULY 6	.2	.07	106	87	27	20	--	25.5	15	5.9
JULY 31	.1	.05	342	296	130	77	599	24.0	5	6.9
SEPT. 15	--	--	--	--	--	--	459	28.5	--	--

07366000 CORNEY BAYOU NEAR LILLIE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	601	597	549	--	446	494	533	281	537	568	537	500
2	599	603	417	--	429	495	548	141	551	584	500	500
3	598	601	440	--	446	463	559	361	549	367	534	545
4	601	603	442	--	403	565	559	363	554	366	499	556
5	621	606	451	--	401	594	525	463	561	366	559	532
6	615	605	--	--	401	563	525	468	562	567	499	558
7	615	607	--	--	398	466	504	468	562	549	559	560
8	622	606	480	--	401	619	516	467	561	562	567	560
9	616	606	403	--	400	619	516	475	569	563	500	465
10	618	608	484	--	400	578	505	482	569	566	608	466
11	627	608	400	--	399	578	495	479	566	579	578	465
12	622	607	449	--	399	582	485	454	568	574	584	464
13	621	611	451	--	386	580	481	464	569	579	515	454
14	625	606	433	--	412	455	482	465	515	578	424	462
15	623	603	374	--	395	451	480	475	551	571	493	464
16	629	603	371	--	394	570	483	475	514	567	428	455
17	615	619	370	--	393	459	407	476	550	568	534	457
18	615	611	384	--	420	552	435	487	571	569	532	460
19	613	513	387	--	420	606	445	488	570	566	538	452
20	614	502	384	--	450	601	338	488	568	568	530	452
21	596	583	384	304	440	582	336	489	562	567	516	432
22	595	584	385	306	440	582	337	509	561	565	515	429
23	594	586	385	316	436	582	448	509	561	568	525	472
24	596	586	--	320	453	541	446	509	560	570	508	474
25	595	578	--	327	445	560	446	503	560	569	515	472
26	593	563	--	330	449	579	454	496	560	565	512	422
27	599	585	--	367	448	526	455	515	563	566	398	421
28	597	587	--	367	509	526	457	533	564	507	398	421
29	596	590	--	350	495	525	429	532	563	570	258	235
30	596	e560	--	352	---	524	429	539	561	570	258	285
31	596	---	--	440	---	525	---	538	---	570	253	---
AVERAGE e Estimated	608	591	--	--	424	546	468	464	558	548	490	472

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	19	9	--	9	e13	16	20	27	29	29	26
2	26	18	e9	--	9	12	19	19	27	29	29	24
3	25	18	10	--	8	12	16	20	28	28	29	25
4	23	e17	9	--	9	13	16	20	28	26	29	25
5	20	e16	9	--	8	14	17	21	28	25	29	25
6	20	e15	e9	--	9	14	18	21	29	28	29	25
7	21	e14	e9	--	9	15	19	20	29	29	29	24
8	23	12	e9	--	8	13	18	20	29	29	29	24
9	22	12	9	--	8	13	17	19	29	29	29	24
10	18	13	10	--	9	13	e18	19	29	29	29	24
11	19	e13	10	--	9	13	e19	20	29	29	27	24
12	19	13	12	--	9	14	e20	19	29	29	29	27
13	18	13	12	--	9	14	22	22	29	e29	29	25
14	18	14	12	--	9	14	23	22	28	29	29	25
15	19	13	12	--	9	15	22	23	29	29	29	25
16	19	13	12	--	9	16	22	23	28	29	29	25
17	20	14	12	--	9	16	22	25	28	29	29	25
18	20	14	12	--	9	16	23	25	29	29	29	25
19	21	12	12	--	9	18	23	25	29	29	29	27
20	21	11	12	--	10	18	24	26	29	29	29	27
21	20	12	11	11	11	18	25	26	29	29	29	24
22	20	10	11	11	12	18	25	26	29	e29	29	24
23	20	11	10	12	e12	19	25	27	29	29	29	24
24	20	10	--	14	14	17	22	27	29	29	28	24
25	19	10	--	11	16	17	20	27	29	29	27	24
26	18	10	--	12	16	17	19	27	29	29	25	25
27	18	9	--	12	16	17	19	27	29	29	27	25
28	19	10	--	12	16	17	19	27	29	29	28	25
29	19	10	--	10	e15	17	19	27	29	29	26	25
30	19	e8	--	9	---	16	20	27	30	29	26	25
31	19	---	--	8	---	16	---	27	---	29	25	---
AVERAGE e Estimated	20	13	--	--	11	15	20	23	29	29	28	25

07367000 OUACHITA RIVER AT MONROE, LA.

LOCATION.--Lat 32°30'19", long 92°07'32", in lot 50, T.18 N., R.3 E., Ouachita Parish, at gaging station at bridge on U.S. Highway 80 at Monroe, 0.4 miles upstream from Illinois Central Railroad bridge, and 5.5 miles upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 sq mi.

PERIOD OF RECORD.--Chemical analyses: August 1954 to September 1972.

Water temperatures: August 1954 to September 1958; October 1968 to September 1972.

REMARKS.--Continuous records are collected at this station. Probes are 10 ft below water surface.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 14	--	7.6	30	23	4.0	72	3.8	45	24	116
NOV. 11	--	6.7	60	25	4.3	90	4.1	40	29	140
DEC. 16	--	6.2	70	9.8	1.3	15	3.5	16	17	23
DEC. 28	--	5.7	30	12	2.2	15	2.1	20	13	31
JAN. 26	--	7.0	110	8.5	1.6	17	2.3	17	12	30
FEB. 23	--	6.2	50	11	2.6	24	1.9	20	13	41
MAR. 9	--	6.5	60	10	2.2	24	2.0	17	13	40
MAR. 22	--	7.2	70	10	2.7	28	2.3	18	13	51
APR. 6	--	6.6	90	12	2.2	21	2.3	27	12	37
MAY 4	--	6.6	120	12	1.9	30	2.4	16	11	54
MAY 17	--	7.8	140	11	2.3	22	1.1	20	13	38
JUNE 8	--	8.3	250	15	3.5	40	1.4	26	18	69
JUNE 22	--	9.8	50	17	4.3	56	4.4	30	38	88
JULY 12	--	6.1	20	16	2.9	44	3.4	29	18	78
AUG. 15	--	6.5	10	20	3.7	70	2.4	28	28	120
SEPT. 12	--	5.9	10	13	2.6	27	1.7	31	14	47
SEPT. 20	--	--	--	--	--	--	--	--	--	--
SEPT. 25	--	--	--	--	--	--	--	--	--	--

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 14	0.2	2.5	304	280	74	37	537	24.5	50	7.0
NOV. 11	.2	2.7	380	334	80	47	656	18.5	80	7.2
DEC. 16	.2	.80	106	88	30	17	159	13.0	30	6.6
DEC. 28	.2	.70	113	92	39	23	172	13.0	20	6.5
JAN. 26	.1	.30	110	88	28	14	160	12.0	50	6.5
FEB. 23	.1	.30	134	111	38	22	206	12.0	30	6.3
MAR. 9	.1	.50	127	108	34	20	199	13.0	40	6.2
MAR. 22	.1	.40	158	125	36	21	232	18.0	40	6.2
APR. 6	.1	.30	142	107	39	17	198	17.5	60	6.4
MAY 4	.2	.40	162	128	38	25	255	21.5	40	5.9
MAY 17	.0	.50	143	107	37	20	203	25.0	20	6.1
JUNE 8	.2	.50	218	170	52	31	336	30.5	60	6.4
JUNE 22	.1	.70	261	236	60	35	434	31.0	45	7.3
JULY 12	.2	.09	205	183	52	28	369	29.0	30	6.5
AUG. 15	.3	.60	318	267	65	42	524	30.0	30	6.5
SEPT. 12	.2	.20	156	128	43	18	241	29.0	40	6.6
SEPT. 20	--	--	--	--	--	--	256	29.0	--	--
SEPT. 25	--	--	--	--	--	--	251	28.0	--	--

07367000 OUACHITA RIVER AT MONROE, LA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 14	--	--	--	--	--	--	--	--	--
NOV. 11	6.0	--	--	--	--	--	--	--	--
DEC. 16	8.4	--	--	--	--	--	--	--	--
DEC. 28	9.0	--	--	--	--	--	--	--	--
JAN. 26	8.7	--	--	--	--	--	--	--	--
FEB. 23	10.6	--	--	--	--	--	--	--	--
MAR. 9	9.8	--	--	--	--	--	--	--	--
MAR. 22	8.3	--	--	--	--	--	--	--	--
APR. 6	7.5	--	--	--	--	--	--	--	--
MAY 4	6.4	--	--	--	--	--	--	--	--
MAY 17	6.2	--	--	--	--	--	--	--	--
JUNE 8	2.9	--	--	--	--	--	--	--	--
JUNE 22	1.5	--	--	--	--	--	--	--	--
JULY 12	3.8	--	--	--	--	--	--	--	--
AUG. 15	--	--	--	--	--	--	--	--	--
SEPT. 12	--	--	--	--	--	--	--	--	--
SEPT. 20	--	--	--	--	--	--	--	--	--
SEPT. 25	5.0	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	461	616	615	215	239	273	316	260	337	402	--	326
2	487	625	526	221	310	225	317	242	336	412	732	312
3	510	646	493	216	232	200	306	220	337	432	837	305
4	483	726	561	208	215	189	247	270	335	457	887	295
5	454	815	479	236	206	182	227	285	341	444	847	282
6	429	817	675	227	219	224	227	297	350	403	763	270
7	412	741	502	176	188	248	224	417	357	375	695	281
8	399	653	445	157	198	189	225	373	357	357	643	223
9	386	609	424	139	210	198	259	268	363	373	609	215
10	389	585	462	112	199	234	263	250	367	404	579	222
11	387	601	504	153	206	238	314	253	370	387	558	230
12	386	616	483	147	222	226	328	271	374	370	548	239
13	395	617	399	165	229	269	305	258	377	365	552	244
14	459	621	249	382	218	231	304	249	392	366	543	245
15	486	622	219	419	192	285	305	245	399	352	492	252
16	496	616	196	263	175	281	287	246	407	354	457	268
17	488	587	182	274	179	263	294	250	435	385	436	304
18	483	582	178	313	185	274	300	256	446	418	428	284
19	475	590	174	302	197	285	303	271	449	449	415	261
20	470	608	177	317	203	318	294	283	449	492	398	260
21	477	581	177	278	196	390	289	295	447	504	391	274
22	485	590	174	233	202	277	282	305	434	486	369	287
23	498	635	175	212	203	247	283	318	402	479	363	235
24	528	621	189	233	198	246	270	331	379	492	352	195
25	543	645	200	201	202	240	297	338	375	509	387	236
26	555	682	207	198	213	247	336	350	372	508	356	204
27	590	695	189	224	211	260	323	364	372	--	335	177
28	608	700	168	260	208	279	297	374	374	--	291	179
29	578	723	199	218	248	264	293	384	392	--	291	186
30	572	702	179	200	--	265	259	371	408	--	326	185
31	593	--	201	198	--	285	--	342	--	--	332	--

07367000 OUACHITA RIVER AT MONROE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.0	1.4	2.1	--	--	--	--	--	--	10.1	5.3	9.0
2	3.0	2.3	2.6	--	--	--	--	--	--	9.1	5.2	7.0
3	3.1	2.3	2.8	--	--	--	9.6	8.0	8.9	9.1	4.1	6.6
4	3.2	2.1	2.7	--	--	--	9.8	6.2	7.8	7.6	3.6	5.2
5	3.0	2.3	2.8	--	--	--	8.6	5.3	7.1	10.4	8.2	9.9
6	2.8	.9	2.3	--	--	--	6.5	4.8	5.5	10.5	9.8	10.2
7	3.0	2.1	2.6	--	--	--	7.9	5.1	6.3	10.2	8.6	9.7
8	3.2	2.1	2.7	--	--	--	8.6	5.5	7.3	9.9	6.8	9.3
9	3.9	3.0	3.3	--	--	--	7.4	1.8	3.8	--	--	--
10	4.1	3.7	3.9	--	--	--	8.1	1.9	4.9	--	--	--
11	4.2	3.5	3.8	6.2	3.8	5.5	8.5	8.0	8.3	--	--	--
12	3.8	2.7	3.3	5.8	3.5	5.2	8.4	4.9	7.3	--	--	--
13	4.0	3.2	3.7	4.7	3.0	3.9	8.4	3.9	7.7	--	--	--
14	4.0	2.7	3.5	4.2	3.4	3.8	5.3	.8	2.4	8.3	7.8	8.1
15	3.5	2.5	3.1	4.7	3.4	3.8	7.4	2.4	5.4	8.6	8.4	8.5
16	2.7	.6	2.1	6.5	4.2	5.8	--	--	--	8.7	8.6	8.7
17	2.6	.1	1.6	6.1	5.4	5.9	--	--	--	8.7	8.3	8.5
18	2.2	.1	.8	--	--	--	--	--	--	--	--	--
19	2.1	.1	1.1	--	--	--	--	--	--	--	--	--
20	2.7	1.2	1.8	--	--	--	--	--	--	--	--	--
21	2.6	1.4	2.0	--	--	--	--	--	--	--	--	--
22	2.3	1.3	1.7	--	--	--	--	--	--	--	--	--
23	1.5	.8	1.3	--	--	--	--	--	--	--	--	--
24	2.1	1.5	1.9	--	--	--	--	--	--	--	--	--
25	2.1	1.2	1.7	--	--	--	--	--	--	--	--	--
26	2.5	1.7	2.1	--	--	--	--	--	--	8.9	8.4	8.6
27	--	--	--	--	--	--	--	--	--	8.5	2.7	6.4
28	--	--	--	--	--	--	--	--	--	7.9	4.3	7.1
29	--	--	--	--	--	--	8.5	1.2	4.8	8.1	7.5	8.0
30	--	--	--	--	--	--	5.6	.9	2.6	8.5	7.7	8.3
31	--	--	--	--	--	--	10.1	6.9	9.3	8.6	8.2	8.5
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.6	8.5	8.6	--	--	--	8.2	8.0	8.1	6.5	5.7	6.1
2	8.5	5.7	7.4	9.7	6.5	9.1	8.1	7.8	8.0	6.7	3.9	5.7
3	8.9	7.4	8.4	9.8	9.5	9.7	8.0	7.6	7.8	6.4	5.1	5.9
4	8.9	8.6	8.7	9.7	8.3	9.3	8.0	7.7	7.8	--	--	--
5	8.7	8.3	8.5	9.5	8.3	9.2	8.0	7.7	7.8	--	--	--
6	8.2	2.9	5.7	9.7	9.5	9.6	8.1	5.9	7.3	--	--	--
7	7.9	5.2	7.2	9.7	3.2	8.2	7.2	4.1	6.4	--	--	--
8	8.3	7.6	8.0	9.8	2.0	7.9	8.1	7.1	7.7	--	--	--
9	8.3	7.9	8.1	9.9	9.7	9.8	8.1	7.9	8.0	--	--	--
10	9.3	8.1	8.5	9.7	9.1	9.4	8.0	7.3	7.8	--	--	--
11	8.7	7.6	8.2	9.3	8.9	9.2	7.3	1.3	5.6	--	--	--
12	8.0	7.4	7.7	9.1	8.5	8.8	7.1	6.0	6.8	--	--	--
13	8.3	7.7	8.0	9.3	8.8	9.1	7.3	6.4	6.9	--	--	--
14	8.2	7.7	8.0	9.3	8.9	9.1	7.4	6.5	7.0	--	--	--
15	8.5	7.2	7.6	9.1	8.4	8.8	7.5	6.7	7.1	--	--	--
16	8.7	8.5	8.6	9.3	8.8	9.0	7.2	6.4	6.9	--	--	--
17	8.9	8.4	8.6	9.5	9.3	9.4	7.2	6.9	7.1	--	--	--
18	9.1	8.4	8.8	9.6	9.2	9.4	7.0	6.7	6.9	4.8	4.1	4.5
19	9.3	9.0	9.1	9.7	9.4	9.6	7.3	7.0	7.2	4.4	4.0	4.3
20	9.1	8.5	8.9	9.9	9.6	9.8	7.4	6.3	7.0	4.2	3.8	4.0
21	--	--	--	9.9	8.7	9.3	7.1	4.8	6.4	4.2	3.7	3.9
22	--	--	--	9.5	8.3	8.9	6.8	6.3	6.4	3.8	3.3	3.6
23	--	--	--	8.6	8.4	8.4	7.0	6.3	6.6	3.5	3.1	3.3
24	7.8	3.6	6.3	8.7	8.6	8.7	6.8	6.4	6.5	3.6	2.9	3.3
25	8.7	6.8	8.0	8.8	8.5	8.7	6.9	6.5	6.8	3.5	2.8	3.2
26	10.1	8.6	9.3	8.9	8.6	8.8	7.0	6.6	6.8	3.6	2.7	3.1
27	10.1	9.7	9.9	8.6	.6	5.2	7.0	6.7	6.9	3.2	2.4	2.7
28	9.9	9.5	9.7	6.9	3.0	5.2	6.7	4.4	6.2	3.0	2.0	2.5
29	9.7	4.3	7.8	8.1	6.4	7.4	6.0	3.0	4.8	2.7	2.0	2.4
30	--	--	--	8.4	8.2	8.3	6.4	4.7	5.8	4.8	2.1	3.4
31	--	--	--	8.4	8.0	8.2	--	--	--	5.3	4.4	4.9

07367000 OUACHITA RIVER AT MONROE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	3.7	4.3	0.5	0.0	0.1	--	--	--	3.0	1.7	2.3
2	4.3	2.9	3.5	.1	.0	.0	1.2	0.4	0.8	3.4	1.6	2.5
3	3.5	1.9	2.6	1.4	.0	.3	1.1	.0	.4	3.2	1.5	2.4
4	3.3	1.7	2.6	2.8	.6	1.7	.6	.0	.2	3.6	2.5	3.2
5	3.9	2.2	3.0	3.4	1.2	1.9	1.2	.5	.8	3.8	2.2	2.9
6	4.3	2.4	3.0	2.4	1.4	1.9	1.8	.6	1.2	2.3	.3	1.4
7	3.2	2.4	2.8	2.5	1.6	1.9	1.7	.9	1.1	1.7	.6	1.3
8	3.0	2.4	2.7	3.5	2.6	3.0	1.6	.2	.9	3.0	1.5	2.2
9	2.4	1.6	2.0	3.7	2.5	3.2	1.5	.0	.7	3.3	2.1	2.7
10	2.0	1.2	1.5	3.9	2.2	3.2	1.5	.1	.8	4.0	2.9	3.4
11	2.4	1.3	2.0	4.0	2.6	3.2	1.3	.0	.7	3.6	2.5	3.1
12	3.1	1.1	2.3	3.8	2.8	3.2	1.2	.0	.6	3.4	1.2	2.1
13	3.6	1.9	2.7	3.1	2.2	2.7	1.9	.7	1.1	1.6	.6	1.1
14	--	--	--	2.7	1.6	2.4	1.9	.0	.7	1.3	.7	1.0
15	--	--	--	2.8	.0	1.5	.9	.0	.4	2.2	1.3	1.6
16	--	--	--	2.6	1.7	2.1	1.1	.0	.4	3.7	2.2	2.9
17	--	--	--	2.7	1.9	2.4	.9	.0	.3	3.8	2.1	3.1
18	--	--	--	2.7	.7	2.1	1.7	.0	.7	3.3	1.7	2.5
19	--	--	--	1.9	1.0	1.6	.9	.0	.2	3.3	1.9	2.7
20	--	--	--	2.6	1.3	1.8	1.4	.1	.7	4.1	3.0	3.6
21	--	--	--	2.2	1.0	1.6	1.8	.5	1.1	4.4	3.0	3.7
22	--	--	--	2.1	.0	1.2	1.6	.0	.7	5.3	4.0	4.8
23	1.4	.0	.9	1.8	.2	1.0	1.0	.0	.4	5.3	2.8	4.3
24	1.2	.0	.3	1.3	.2	.9	3.2	.9	2.3	5.3	4.1	4.6
25	1.0	.0	.3	1.3	.3	.8	3.0	1.2	2.2	5.1	3.7	4.7
26	.9	.0	.1	1.2	.1	.7	2.8	.5	2.4	4.7	1.6	3.7
27	.0	.0	.0	--	--	--	3.2	2.2	2.6	4.4	.0	1.9
28	.0	.0	.0	--	--	--	3.1	2.2	2.7	1.6	.0	.3
29	.3	.0	.0	--	--	--	3.4	2.7	3.0	.6	.0	.1
30	.7	.0	.1	--	--	--	3.4	1.9	2.6	3.0	.5	2.2
31	--	--	--	--	--	--	2.8	1.2	2.0	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	24.5	13.0	13.0	9.5	15.5	18.0	22.5	29.0	30.5	--	31.5
2	28.5	24.5	12.5	13.0	10.0	15.0	17.5	22.0	29.0	31.0	32.5	31.0
3	28.5	24.5	12.5	13.0	8.5	14.5	17.0	21.5	29.0	31.5	32.5	31.0
4	28.5	24.0	12.0	12.5	7.5	14.5	17.5	21.5	29.0	32.0	32.5	21.0
5	28.5	23.0	11.5	11.0	7.0	13.5	17.5	22.0	29.0	31.0	32.5	31.5
6	28.5	22.5	12.0	--	7.5	13.0	18.0	22.5	29.5	30.5	33.0	30.5
7	28.0	22.0	11.0	--	7.5	14.0	18.5	22.5	29.0	30.0	32.5	29.5
8	27.0	21.0	11.0	--	7.5	13.5	19.0	22.0	30.0	29.5	33.0	29.0
9	27.0	20.0	11.5	--	7.5	13.0	19.0	22.0	31.0	29.0	33.0	29.5
10	26.5	--	10.5	--	7.5	13.0	18.5	22.0	31.0	29.0	33.0	30.5
11	25.5	--	10.5	--	7.5	13.0	19.5	22.0	31.0	29.0	33.0	30.5
12	25.0	--	11.0	--	8.0	14.0	20.0	23.0	31.0	29.0	33.5	30.5
13	25.0	--	10.5	11.5	9.0	15.0	20.5	23.0	31.5	29.5	33.5	30.5
14	24.5	--	11.0	11.0	9.0	15.5	21.5	23.0	32.0	29.5	33.0	30.5
15	24.5	--	11.0	10.5	9.5	16.5	22.5	23.0	32.5	29.5	32.5	30.0
16	24.5	--	12.5	8.5	10.0	17.0	23.0	23.5	31.5	29.5	33.0	30.5
17	25.0	--	12.5	7.0	10.0	17.0	24.0	25.0	31.0	30.5	33.0	30.5
18	25.0	--	11.5	7.0	10.5	17.0	23.5	25.0	30.5	30.5	33.0	30.5
19	25.0	--	11.5	8.0	10.5	17.5	23.5	25.5	30.5	31.0	32.5	30.5
20	25.0	--	11.0	8.5	10.5	17.5	23.5	26.0	30.5	31.5	32.0	30.5
21	24.5	--	11.0	9.5	10.5	18.0	24.0	26.0	31.0	31.5	32.0	30.5
22	24.5	--	11.0	9.5	11.0	18.5	23.5	26.5	31.0	32.0	32.5	30.5
23	24.5	16.0	11.0	10.0	11.5	19.0	23.5	27.0	30.5	32.0	33.0	30.0
24	24.5	15.0	11.5	10.5	12.5	19.5	23.0	27.5	30.0	32.5	33.0	29.0
25	24.5	14.5	11.0	12.0	13.0	19.5	23.0	28.0	30.0	32.5	32.5	29.5
26	24.5	14.0	11.5	12.0	14.0	19.5	23.0	28.0	30.5	32.5	32.5	28.5
27	24.5	13.5	12.5	12.0	13.5	19.5	22.5	28.5	30.0	33.0	32.0	29.0
28	24.5	13.5	12.5	12.5	13.0	19.5	22.5	28.5	30.5	--	32.0	29.0
29	24.5	13.0	13.0	13.0	14.0	19.5	22.5	29.0	31.0	--	31.5	28.5
30	24.5	13.0	12.5	11.0	--	19.0	22.5	29.5	31.0	--	31.5	28.0
31	24.5	--	12.0	9.5	--	18.0	--	29.5	--	--	31.5	--

07367515 OUACHITA RIVER AT MAIDCO, LA.

LOCATION.--Lat 32°24'48", long 92°06'19", in sec.1, T.16 N., R.3 E., Ouachita Parish, at pier on left bank at Maidco, 100 yards west of U.S. Highway 165, and 6.3 miles south of U.S. Highway 165 and State Highway 15.

DRAINAGE AREA.--15,575 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	--	8.7	210	24	2.9	68	3.3	59	25	100
NOV. 10	--	7.1	160	24	4.4	86	3.2	49	30	140
DEC. 28	--	7.6	60	12	1.9	15	2.4	23	11	31
JAN. 19	--	6.5	40	7.7	1.4	18	2.6	24	9.3	26
FEB. 16	--	5.6	80	11	1.6	21	1.8	22	14	32
MAR. 1	--	5.3	110	13	2.8	34	2.3	28	16	57
APR. 27	--	7.8	420	15	3.1	39	2.7	30	13	69
MAY 17	--	7.9	130	10	2.7	23	2.1	24	19	37
JUNE 15	--	8.5	290	16	2.4	44	2.8	30	23	69
JULY 12	--	6.5	290	18	3.2	52	3.2	31	19	90
AUG. 15	--	6.8	100	27	5.5	110	5.0	45	31	190
SEPT. 12	--	9.7	50	20	2.4	29	4.0	52	12	49

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.2	0.10	301	266	72	24	510	22.5	70	6.5
NOV. 10	.3	.90	353	321	78	38	622	13.0	60	7.0
DEC. 28	.1	.20	115	93	38	19	173	18.0	35	6.1
JAN. 19	.1	.10	128	84	25	6	146	8.5	50	6.6
FEB. 16	.1	.20	114	99	34	16	183	10.0	50	7.1
MAR. 1	.1	.40	175	146	44	21	282	14.0	40	6.7
APR. 27	.2	.40	220	166	50	25	312	22.0	60	6.8
MAY 17	.2	.40	148	116	36	16	213	28.0	40	6.6
JUNE 15	.4	.02	244	181	50	25	360	28.0	60	6.9
JULY 12	.1	.30	240	208	58	--	412	29.0	40	7.2
AUG. 15	.3	.40	430	399	90	53	808	30.0	50	6.6
SEPT. 12	.1	.02	194	152	60	17	255	31.0	20	7.6

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FFCAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	4.1	2.6	46	--	0.13	--	--	--	--
NOV. 10	6.0	.0	36	--	.04	--	--	--	--
DEC. 28	8.6	1.9	26	--	--	--	--	--	--
JAN. 19	9.3	3.2	36	--	--	--	--	--	--
FEB. 16	9.6	3.4	21	--	--	--	--	--	--
MAR. 1	9.5	1.8	58	--	--	--	--	120	40
APR. 27	7.0	4.0	49	--	--	--	--	--	--
MAY 17	6.2	4.4	28	--	--	?	--	--	--
JUNE 15	1.6	6.0	27	--	--	--	--	--	--
JULY 12	3.7	3.0	48	--	--	--	--	--	--
AUG. 15	4.3	3.8	34	--	--	--	--	--	--
SEPT. 12	5.1	1.3	--	--	--	--	--	--	--

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA.

LOCATION.--Lat 32°29'55", long 91°55'05", in SW¼ sec.36, T.18 N., R.5 E., at Ouachita-Richland Parish line, at gaging station at bridge on U.S. Highway 80, 1.1 miles upstream from Illinois Central Railroad bridge, and 2.5 miles west of town of Crew Lake.

DRAINAGE AREA.--361 sq mi, arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: October 1953 to September 1955, October 1967 to September 1972.
Water temperatures: October 1967 to September 1971 (discontinued).

EXTREMES.--1971-72:

Specific conductance: Maximum daily, 2780 micromhos Dec. 29, 30; minimum daily, 145 micromhos May 4-6.

Period of record:

Specific conductance: Maximum daily, 2,780 micromhos Dec. 29, 30, 1971; minimum daily, 50 micromhos Jan. 15, 1968.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
NOV. 8	65	11	0	74	24	59	4.0	308	35	90
JAN. 18	1,000	5.9	70	20	2.4	38	3.8	86	23	35
FEB. 15	480	6.1	20	20	6.1	13	4.3	90	15	15
APR. 3	696	6.5	20	16	3.9	11	3.5	67	9.0	9.2
MAY 9	418	11	40	15	4.3	9.0	3.1	60	11	9.0
JUNE 16	2690	9.5	0	44	15	36	4.8	160	34	58
JULY 24	124	9.4	30	25	7.9	17	2.6	119	11	18
SEPT. 5	230	12	0	44	15	38	4.7	187	20	59

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (Ca, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
NOV. 8	0.3	0.02	463	454	283	30	816	15.0	15	8.3
JAN. 18	.2	.20	210	171	60	0	303	11.0	100	7.2
FEB. 15	.2	.40	144	125	75	1	213	10.5	60	7.2
APR. 3	.2	.90	112	96	56	1	167	18.0	20	7.2
MAY 9	.2	.50	110	95	55	6	160	22.0	25	6.9
JUNE 16	.2	.05	286	281	170	40	514	27.0	15	7.5
JULY 24	.2	.07	165	150	95	0	276	30.0	20	7.0
SEPT. 5	.2	.02	314	285	170	17	521	29.0	10	7.4

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

[illegible]

LOCATION.--Lat 32°25'55", long 91°22'00", in NW¼ sec.29, T.17 N., R.11 E., Madison Parish, at gaging station at bridge on U.S. Highway 80 at Tendal, 200 feet upstream from Illinois Central Railroad bridge, and 3.0 miles east of Waverly.

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1957, October 1967 to September 1972.
Water temperatures: October 1967 to September 1968 (discontinued).

REMARKS.--Conductance recorder with probe 1.5 ft from stream bottom; daily mean values are reported in the daily conductance table.

[illegible]

DATE		FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- ERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
NOV.	10	0.3	0.09	350	354	260	0	598	16.0	10	8.9
JAN.	19	.2	.20	--	42	51	0	110	10.0	--	6.9
MAR.	2	.2	.40	160	145	110	0	241	15.0	30	7.7
MAY	18	.3	2.1	116	112	77	6	191	23.0	20	7.7
JULY	11	.2	.40	217	204	130	0	354	27.0	25	7.9
SEPT.	12	.3	.00	436	375	260	0	636	30.0	15	7.8
SEPT.	20	--	--	--	--	--	--	658	29.0	--	--

[illegible]

07369500 TENSAS RIVER AT TENDAL, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHGS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	530	580	275	--	315	280	370	395	355	390	590
2	570	550	580	280	--	280	280	420	420	380	390	590
3	--	540	570	185	--	135	250	430	430	360	395	590
4	--	545	575	140	--	120	260	460	440	360	395	595
5	600	550	570	130	--	140	270	490	450	370	405	595
6	610	560	540	120	--	180	280	500	450	400	415	600
7	615	560	200	120	--	190	300	490	460	440	425	600
8	620	560	125	120	--	185	330	485	400	440	435	620
9	--	560	130	125	--	135	350	490	360	420	455	630
10	--	550	160	130	150	135	370	490	360	370	475	630
11	640	530	195	130	160	170	390	500	360	280	480	635
12	640	540	220	140	165	200	405	440	380	255	490	640
13	645	545	245	140	160	210	410	340	385	225	500	640
14	650	555	260	150	165	215	420	230	400	230	510	640
15	655	560	245	140	180	220	435	210	410	235	525	620
16	655	560	240	130	190	230	430	220	410	240	535	620
17	660	570	220	120	205	230	435	240	440	250	545	625
18	660	570	145	120	205	240	430	245	490	260	550	640
19	660	560	155	110	160	270	400	235	550	280	560	645
20	660	565	185	130	135	295	375	235	580	290	565	645
21	665	570	200	150	150	325	396	240	580	290	570	640
22	670	575	205	170	195	250	400	250	540	300	575	640
23	680	580	210	190	205	265	420	265	480	300	580	635
24	685	570	220	210	205	280	430	285	420	310	585	635
25	700	580	215	225	215	295	440	305	375	320	590	635
26	690	575	210	200	230	310	440	330	400	335	585	620
27	700	575	210	155	250	325	435	345	390	350	580	610
28	525	580	225	160	275	330	440	345	360	360	580	615
29	520	580	235	--	290	330	425	370	320	380	575	615
30	520	580	245	--	---	320	420	380	345	385	580	610
31	530	---	260	--	---	275	---	385	---	385	585	---
AVERAGE	--	561	277	164	--	239	378	356	423	328	510	622

07369700 BAYOU MACON NEAR KILBOURNE, LA.

LOCATION.--Lat 32°59'35", long 91°15'45", in SW¼SE¼ sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, at gaging station at bridge on State Highway 585, 0.8 mile south of Arkansas-Louisiana State line, and 3.0 miles east of Kilbourne.

DRAINAGE AREA.--504 sq mi, arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, October 1967 to September 1972.
Water temperatures: October 1967 to September 1968.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	92	9.9	0	42	15	21	3.8	205	19	23
DEC. 2	93	8.6	10	46	15	22	2.9	220	19	23
JAN. 19	744	4.2	70	29	7.9	12	3.7	124	15	14
FEB. 16	237	5.9	30	32	9.5	13	2.9	144	15	14
APR. 4	530	4.0	10	27	7.9	12	3.2	112	16	13
MAY 10	280	5.3	20	31	10	12	3.5	134	15	13
JUNE 14	126	8.9	20	33	9.1	15	4.5	139	17	14
JULY 25	128	9.5	0	41	12	18	2.8	184	14	18
SEPT. 7	134	8.5	0	37	14	20	3.7	179	16	24

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.3	0.00	240	235	170	0	414	22.0	10	8.3
DEC. 2	.2	.00	251	245	180	0	427	7.0	5	7.5
JAN. 19	.1	.20	158	148	100	3	262	11.0	20	7.3
FEB. 16	.2	.40	176	165	120	1	287	10.5	15	7.4
APR. 4	.2	.40	145	140	100	8	251	16.0	20	7.9
MAY 10	.2	.20	174	157	120	9	296	21.0	10	7.0
JUNE 14	.4	.20	174	171	120	6	315	28.0	15	7.1
JULY 25	.2	.02	225	207	150	2	382	30.0	15	7.4
SEPT. 7	.2	.00	231	211	150	3	382	29.0	10	7.3

07372000 DUGDEMONA RIVER NEAR WINNFELD, LA.

LOCATION.--Lat 31°58'30", long 92°39'10", on line between secs.34 and 35, T.12 N., R.3 W., Winn Parish, at gaging station at bridge on U.S. Highway 167, 300 ft upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 2.4 miles downstream from Kyaisles Creek, and 3.5 miles north of Winnfield.

DRAINAGE AREA.--654 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1966 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARRONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 27	23	28	--	7.0	1.1	170	4.6	340	66	39
JAN. 20	1470	10	--	3.2	1.7	22	1.9	51	14	6.8
FEB. 16	1120	9.5	--	5.0	1.6	18	1.8	37	16	9.1
MAR. 22	486	11	--	5.8	2.3	14	1.8	36	12	9.3
APR. 27	458	10	--	6.0	1.0	18	2.9	36	19	8.0
MAY 17	233	13	--	5.8	1.3	24	2.3	46	20	8.4
JUNE 15	28	14	--	8.0	2.9	80	3.2	176	39	16
JULY 13	65	11	--	6.6	.9	23	3.0	49	19	8.2
AUG. 16	18	13	--	9.1	2.0	100	6.1	239	40	15
SEPT. 13	20	17	--	8.2	2.3	160	8.5	332	82	17

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 27	0.5	0.10	538	484	22	0	746	20.0	400	7.6
JAN. 20	.3	.10	--	86	15	0	126	9.5	80	7.4
FEB. 16	.2	.10	119	80	19	0	122	10.0	100	7.1
MAR. 22	.1	.20	129	99	24	0	111	18.0	110	6.8
APR. 27	.3	.30	--	85	19	0	124	21.5	120	7.0
MAY 17	.2	.30	136	99	20	0	142	23.0	80	7.2
JUNE 15	.4	.05	312	251	32	0	415	26.0	200	8.0
JULY 13	.2	.20	148	97	20	0	145	27.0	120	7.4
AUG. 16	.4	.40	373	306	31	0	499	26.0	300	7.4
SEPT. 13	.4	.10	547	460	30	0	728	30.0	440	7.9

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 27	--	--	--	--	--	--	--	--	--
JAN. 20	9.1	2.8	27	--	--	--	--	--	--
FEB. 16	9.0	2.6	33	--	--	--	--	--	--
MAR. 22	7.9	5.0	72	--	--	--	--	--	--
APR. 27	7.9	2.7	50	--	--	--	--	--	--
MAY 17	6.9	3.5	26	--	--	--	--	--	--
JUNE 15	4.9	1.5	98	--	--	--	--	--	--
JULY 13	7.3	1.4	39	--	--	--	--	--	--
AUG. 16	4.9	1.7	56	--	--	--	--	--	--
SEPT. 13	8.8	2.1	--	--	--	--	--	--	--

07372200 LITTLE RIVER NEAR ROCHELLE, LA.

LOCATION.--Lat 31°45'15", long 92°20'40", in SW¼SW¼ sec.14, T.9 N., R.1 E., La Salle-Grant Parish line, at gaging station at bridge on State Highway 500, 1.1 miles northeast of Zenoria, and 3.0 miles southeast of Rochelle.

DRAINAGE AREA.--1,880 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1958 to September 1959, October 1964 to September 1972.

EXTREMES.--1971-72:

Specific conductance: Maximum daily, 1,500 micromhos Nov. 21; minimum daily, 55 micromhos Jan. 6, 7.

Period of record:

Specific conductance (1966-72): Maximum daily, 26,800 micromhos Dec. 4, 1965; minimum daily, 50 micromhos May 15-17, 1971.

REMARKS.--Conductance recorder with probe 2 ft from stream bottom; daily mean values are reported in the daily conductance table.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FF) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	30	16	--	13	4.2	120	3.0	110	30	140
OCT. 27	32	--	--	--	--	--	--	--	--	--
NOV. 11	21	20	--	14	5.1	150	3.5	170	34	150
NOV. 22	95	--	--	--	--	--	--	--	--	--
DEC. 29	2480	10	--	5.0	2.6	28	2.8	60	19	13
JAN. 20	3950	11	--	4.0	1.2	25	2.0	52	13	10
JAN. 27	2250	--	--	--	--	--	--	--	--	--
FEB. 16	3110	9.0	--	4.8	1.0	13	1.7	22	12	11
FEB. 24	1820	--	--	--	--	--	--	--	--	--
MAR. 23	1330	--	--	--	--	--	--	--	--	--
APR. 20	292	--	--	--	--	--	--	--	--	--
APR. 27	640	14	--	8.0	1.9	31	2.9	46	19	28
MAY 17	1220	9.1	--	5.3	2.1	14	1.8	19	15	16
JUNE 14	60	16	--	13	3.8	98	2.4	58	18	130
JULY 13	349	9.7	--	7.4	.9	34	3.0	60	22	18
AUG. 15	68	9.9	--	9.9	2.5	100	4.0	86	29	110
SEPT. 13	24	13	--	11	2.6	120	6.5	160	32	92

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.3	0.07	432	381	50	0	682	22.0	160	7.1
OCT. 27	--	--	--	--	--	--	931	21.0	--	--
NOV. 11	.4	.20	538	462	56	0	799	15.0	240	7.3
NOV. 22	--	--	--	--	--	--	999	13.0	--	--
DEC. 29	.2	.10	158	111	23	0	160	14.5	100	6.8
JAN. 20	.2	.10	128	93	15	0	138	9.0	80	6.8
JAN. 27	--	--	--	--	--	--	140	15.0	--	--
FEB. 16	.1	.20	96	64	16	0	101	11.0	10	6.9
FEB. 24	--	--	--	--	--	--	116	13.5	--	--
MAR. 23	--	--	--	--	--	--	170	20.0	--	--
APR. 20	--	--	--	--	--	--	348	23.0	--	--
APR. 27	.3	.40	183	130	28	0	201	22.0	160	7.1
MAY 17	.2	.20	116	74	22	6	112	21.5	40	6.7
JUNE 14	.2	.02	332	310	48	0	595	29.0	60	7.4
JULY 13	.1	.20	164	126	22	0	207	27.5	100	7.5
AUG. 15	.2	.20	338	219	35	0	562	28.0	120	7.2
SEPT. 13	.3	.00	416	356	38	0	620	28.0	240	7.6

07372200 LITTLE RIVER NEAR ROCHELLE, LA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FFCAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	5.6	1.1	31	--	--	--	--	--	--
OCT. 27	--	--	--	--	--	--	--	--	--
NOV. 11	8.0	--	--	--	--	--	--	--	--
NOV. 22	--	--	--	--	--	--	--	--	--
DEC. 29	8.4	--	--	--	--	--	--	--	--
JAN. 20	9.9	2.4	31	--	--	--	--	--	--
JAN. 27	--	--	--	--	--	--	--	--	--
FEB. 16	9.4	2.1	29	--	--	--	--	--	--
FEB. 24	--	--	--	--	--	--	--	--	--
MAR. 23	--	--	--	--	--	--	--	--	--
APR. 20	--	--	--	--	--	--	--	--	--
APR. 27	7.1	2.2	48	--	--	--	--	--	--
MAY 17	7.3	3.0	18	--	--	--	--	--	--
JUNE 14	4.7	2.3	36	--	--	--	--	--	--
JULY 13	6.0	1.6	45	--	--	--	--	--	--
AUG. 15	4.8	2.0	25	--	--	--	--	--	--
SEPT. 13	5.4	1.6	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	420	680	780	210	80	175	115	165	390	600	920	850
2	395	680	1,050	320	75	260	120	370	395	600	680	790
3	400	700	1,450	290	85	115	140	180	395	640	640	580
4	405	730	840	180	80	75	170	100	405	710	620	490
5	400	745	270	90	75	70	190	95	410	800	600	460
6	440	750	380	70	70	70	200	120	410	1,020	560	480
7	470	750	150	55	110	75	220	120	415	780	560	550
8	490	750	125	55	90	80	225	105	415	580	590	550
9	520	755	125	60	80	95	290	105	420	590	620	550
10	550	750	125	60	85	115	225	145	450	330	650	550
11	580	760	130	70	100	120	235	170	470	230	750	580
12	640	840	135	90	115	125	240	220	480	230	800	580
13	690	870	150	95	150	130	240	180	485	280	820	590
14	710	830	150	105	120	135	245	110	500	240	1,010	620
15	700	805	180	120	100	155	255	120	570	240	700	640
16	680	790	250	120	105	160	330	115	710	280	600	660
17	660	780	160	130	105	150	325	120	630	310	530	710
18	670	790	95	140	145	150	330	140	740	340	510	720
19	680	1,230	80	155	150	125	395	130	800	510	540	750
20	690	920	70	140	110	--	355	135	860	490	580	750
21	700	1,500	75	130	100	--	320	145	920	370	650	770
22	750	1,150	90	100	100	--	305	160	840	340	660	780
23	790	1,000	90	100	110	--	280	205	770	360	650	760
24	810	750	95	100	120	--	230	215	810	380	640	740
25	850	520	100	105	130	--	260	235	842	390	610	740
26	890	740	105	120	130	--	270	260	890	400	640	740
27	885	790	115	145	130	--	210	285	830	390	660	730
28	900	740	125	150	135	--	190	290	680	740	580	850
29	890	700	150	170	150	210	180	320	600	620	780	990
30	800	670	180	240	---	95	165	360	570	560	750	820
31	720	-----	200	120	---	95	---	375	---	840	590	---
AVERAGE	664	816	259	130	108	--	242	187	572	490	661	--

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

LOCATION.--Lat 31°32'10", long 92°24'30", in SW¼SE¼ sec.31, T.7 N., R.1 E., Grant Parish, at gaging station at bridge on U.S. Highway 165, 0.8 mile north of Pollock, and 1.3 miles downstream from Dyson Creek.

DRAINAGE AREA.--51 sq mi.

PERIOD OF RECORD.--Chemical analyses: Water years 1968-72 (partial-record station).
Water temperatures: October 1964 to current year.

EXTREMES.--Current year:

Water temperatures: Maximum daily, 26.5°C June 28-30; minimum daily, 4.5°C Feb. 5.

Period of record:

Water temperatures (1964-72): Maximum, 28°C July 10-13, 1965, July 16, 17, 1971; minimum, 4°C Jan. 30, 31, 1966, Dec. 16, 1968, Jan. 10, 11, 22, 23, 1970.

REMARKS.--Water-stage recorder with temperature attachment. Daily mean temperatures reported in table; maximum and minimum temperatures are available on request.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SI02) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORINE (CL) (MG/L)
OCT. 21	11	22	--	2.4	0.5	5.5	1.5	18	2.6	4.0
NOV. 10	12	21	50	2.4	.2	4.9	1.5	14	3.9	4.8
DEC. 28	27	21	90	2.2	1.1	5.5	1.3	16	3.2	4.2
JAN. 20	93	17	110	3.0	.6	4.3	1.1	16	3.5	4.7
FEB. 15	30	17	290	2.0	.7	3.6	1.0	13	2.4	4.0
MAR. 2	619	6.1	150	1.5	.3	2.2	1.4	6	.4	2.0
APR. 22	28	21	360	2.8	.2	4.8	1.2	15	1.6	4.1
MAY 17	20	18	140	2.0	1.2	5.0	1.1	14	3.6	4.0
JUNE 15	29	17	280	2.1	.4	3.0	1.4	11	.2	3.2
JULY 13	12	22	220	2.0	.5	5.0	1.4	14	.2	4.6
AUG. 16	14	20	150	3.2	.0	4.5	1.5	16	2.2	4.2
SEPT. 13	7.5	26	310	2.0	.7	5.0	1.7	20	.2	3.8

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- ERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.1	0.09	54	48	8	0	40	22.5	--	6.5
NOV. 10	.0	.04	60	46	7	0	38	16.0	15	6.1
DEC. 28	.1	.09	64	47	10	0	44	15.0	20	6.1
JAN. 20	.0	.10	56	43	10	0	36	14.0	50	6.0
FEB. 15	.0	.09	78	37	8	0	37	--	35	7.2
MAR. 2	.7	.20	21	19	5	0	26	11.0	100	6.1
APR. 22	.1	.09	62	43	8	0	38	17.5	30	6.6
MAY 17	.1	.10	54	42	10	0	38	--	40	6.6
JUNE 15	.1	.02	57	32	7	0	36	29.0	50	6.7
JULY 13	.0	.09	54	43	7	0	39	24.0	20	6.6
AUG. 16	.0	.09	43	49	8	0	40	23.0	40	6.4
SEPT. 13	.0	.02	72	50	8	0	57	24.0	45	6.6

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (P04) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FFCAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	7.8	1.0	0	--	--	--	2400	480	1200
NOV. 10	8.6	1.2	18	--	--	--	540	--	420
DEC. 28	8.5	1.2	20	--	--	--	900	200	180
JAN. 20	9.6	1.9	36	--	--	--	13000	2600	3000
FEB. 15	10.1	1.6	1	--	--	--	460	140	110
MAR. 2	8.6	2.5	84	--	--	--	--	--	--
APR. 22	9.6	1.4	20	--	--	--	--	--	--
MAY 17	8.0	1.1	1	--	--	--	1400	490	190
JUNE 15	7.5	1.8	18	--	--	--	2900	3600	520
JULY 13	7.7	1.0	17	--	--	--	--	480	520
AUG. 16	6.9	.9	11	--	--	--	1500	710	200
SEPT. 13	7.1	1.0	--	--	--	--	--	--	--

07373000 BIG CREEK AT POLLOCK, LA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR FPOXIDE IN ROT- TOM DE- POSITS (UG/KG)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)
MAR. 01...	39333	39363	39368	39373	39383	39393	39413	39423	39343	39351
	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0
				MALA- THION IN BOTTOM DE- POSITS (UG/KG)	METHYL PARA- THION IN ROT- TOM DE- POSITS (UG/KG)	PARA- THION IN BOTTOM DE- POSITS (UG/KG)				
				39531	39601	39541				
				<0.20	<0.20	<0.20				

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

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

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	453	503	366	302	262	352	331	328	370	457	399	374
2	434	502	371	305	263	344	329	331	376	455	393	397
3	433	504	365	297	280	349	354	334	374	462	403	407
4	432	504	367	283	292	350	351	334	376	431	382	373
5	430	505	387	302	287	315	353	314	378	413	402	354
6	441	505	385	307	287	313	354	313	413	328	410	366
7	441	508	385	304	286	308	348	313	416	394	408	340
8	440	471	383	307	285	311	345	314	415	423	385	380
9	442	468	397	312	291	298	347	315	414	456	397	385
10	447	468	409	361	295	300	348	315	418	462	380	382
11	444	473	420	325	293	301	357	329	418	462	383	400
12	442	473	414	327	296	301	357	331	450	462	381	401
13	515	459	408	332	274	301	358	329	453	433	378	460
14	516	456	414	335	276	265	358	331	455	433	390	461
15	514	450	420	335	277	266	363	329	454	431	382	458
16	519	447	413	332	299	267	367	335	458	431	379	425
17	515	437	341	332	300	267	345	334	441	382	380	419
18	483	446	335	311	300	265	377	333	443	380	382	421
19	483	439	333	311	299	294	379	328	444	380	427	423
20	489	437	330	311	302	294	398	331	448	380	428	420
21	507	442	334	309	340	296	399	327	444	395	432	421
22	483	457	333	311	341	292	398	332	447	396	429	420
23	508	439	370	307	340	291	395	331	455	394	425	419
24	498	439	396	307	338	314	345	332	454	394	421	419
25	466	455	372	309	338	315	345	329	456	397	398	419
26	472	372	380	397	339	314	342	328	453	381	400	420
27	473	374	371	307	349	316	350	357	453	380	400	416
28	473	371	381	307	346	314	359	358	454	381	400	417
29	476	369	371	271	343	326	354	357	457	380	400	418
30	472	368	372	273	--	322	356	359	454	380	398	416
31	509	--	380	270	--	326	--	369	--	379	397	--
AVERAGE	473	451	378	310	304	306	359	332	431	417	399	408

TEMPERATURE ($^{\circ}\text{C}$) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAY												
1	26	17	10	11	8	11	13	18	23	27	28	28
2	26	21	10	11	8	11	13	18	23	27	27	28
3	26	21	10	11	e7	10	13	19	24	27	27	28
4	26	21	10	11	e7	9	13	19	24	27	27	28
5	25	21	10	9	e7	9	13	18	24	26	27	28
6	25	21	10	9	6	9	13	18	24	26	29	28
7	25	21	10	9	6	9	13	18	26	26	29	28
8	25	19	11	9	6	9	13	18	26	e26	29	28
9	24	18	10	10	6	9	14	18	26	e26	29	28
10	24	17	9	10	6	9	13	18	26	e26	29	28
11	24	17	9	11	6	10	13	19	26	e26	29	29
12	24	17	9	11	8	10	13	e18	27	e26	29	29
13	24	17	9	9	7	9	13	e18	27	25	29	29
14	24	17	9	9	7	11	14	e18	27	25	28	29
15	24	16	9	9	8	11	14	e18	27	25	28	29
16	24	16	9	9	8	12	15	19	27	26	29	29
17	24	16	9	9	7	11	15	19	27	26	29	28
18	23	17	9	8	7	11	16	19	27	26	29	28
19	23	16	9	8	7	11	16	20	27	26	28	28
20	23	16	9	8	7	12	16	20	27	25	28	28
21	23	17	9	8	e7	12	17	20	27	27	28	28
22	22	15	9	8	e7	13	16	20	27	27	e28	28
23	22	15	11	8	e8	13	16	21	27	27	29	28
24	22	14	11	8	e8	13	18	21	27	27	29	28
25	22	12	11	9	8	13	18	21	27	27	28	28
26	22	11	11	8	9	13	17	21	27	28	28	28
27	22	11	11	8	9	13	17	21	27	28	28	28
28	22	11	11	8	9	13	17	22	27	28	28	28
29	22	11	10	8	9	13	17	22	27	28	28	28
30	22	10	10	8	--	13	17	22	27	28	28	28
31	22	--	11	8	--	13	--	22	--	28	28	--
AVERAGE e Estimated.	24	16	10	9	7	11	15	19	26	27	28	28

07373423 MISSISSIPPI RIVER BELOW ST. FRANCISVILLE, LA.

LOCATION.--Lat 30°42'05", long 91°20'38", in lot 49, T.4 S., R.11 E., West Feliciana Parish at Crown Zellerbach Corp. paper mill, 5.7 miles southeast of St. Francisville.

DRAINAGE AREA.--1,243,000 sq mi, arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses November 1968 to September 1972.
Water temperatures: October 1969 to September 1972.

REMARKS.--Continuous recorder at this station.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 12	--	3.7	10	46	14	35	3.7	140	94	32
NOV. 9	--	--	--	--	--	--	--	--	--	--
DEC. 14	--	5.5	10	43	12	26	2.7	141	62	21
JAN. 21	--	--	--	--	--	--	--	--	--	--
FEB. 18	--	--	--	--	--	--	--	--	--	--
APR. 19	--	6.5	110	41	12	16	3.4	126	55	18
MAY 1	--	6.2	90	38	9.0	13	3.1	104	49	14
MAY 26	--	5.8	10	40	11	10	2.8	119	45	14
JUNE 26	--	5.5	0	52	16	22	3.8	167	76	19
JULY 24	--	6.0	0	40	12	19	3.0	120	68	16
AUG. 17	--	6.0	0	42	14	18	3.1	132	63	18
AUG. 29	--	8.0	20	43	14	20	2.3	147	59	18
SEPT. 8	--	7.0	10	46	14	23	2.2	152	68	20
SEPT. 15	--	8.0	30	48	15	25	2.8	166	65	21
SEPT. 22	--	--	--	--	--	--	--	--	--	--

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 12	0.4	0.20	314	299	170	59	517	25.0	5	7.3
NOV. 9	--	--	--	--	--	--	469	17.0	--	--
DEC. 14	.3	.80	262	245	160	40	431	11.0	10	7.6
JAN. 21	--	--	--	--	--	--	326	7.0	--	--
FEB. 18	--	--	--	--	--	--	315	6.5	--	--
APR. 19	.1	1.3	232	220	150	48	374	16.0	20	7.4
MAY 1	.4	1.1	194	168	130	47	337	18.0	10	7.2
MAY 26	.2	.40	210	190	150	48	347	22.0	5	7.0
JUNE 26	.2	.30	280	278	200	58	468	28.5	10	7.0
JULY 24	.2	.30	230	224	150	50	400	29.0	5	7.0
AUG. 17	.2	.40	253	231	160	55	400	29.0	10	7.2
AUG. 29	.3	.40	250	238	160	42	413	28.5	15	7.4
SEPT. 8	.3	.40	262	257	170	49	439	29.0	10	7.7
SEPT. 15	.3	.30	280	268	180	44	472	28.0	10	7.8
SEPT. 22	--	--	--	--	--	--	454	28.0	--	7.7

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FFCAL COLIFORM (COLONIES PER 100 ML)
OCT. 12	--	--	--	--	--	--	--	--	--
NOV. 9	9.0	--	--	--	--	--	--	--	--
DEC. 14	10.5	--	--	--	--	--	--	--	--
JAN. 21	--	--	--	--	--	--	--	--	--
FEB. 18	11.7	--	--	--	--	--	--	--	--
APR. 19	--	--	--	--	--	--	--	--	--
MAY 1	7.1	--	--	--	--	--	--	--	--
MAY 26	6.4	--	--	--	--	--	--	--	--
JUNE 26	7.0	--	--	--	--	--	--	--	--
JULY 24	7.0	--	--	--	--	--	--	--	--
AUG. 17	7.0	--	--	--	--	--	--	--	--
AUG. 29	6.6	--	--	--	--	--	--	--	--
SEPT. 8	5.8	--	--	--	--	--	--	--	--
SEPT. 15	6.1	--	--	--	--	--	--	--	--
SEPT. 22	6.3	--	--	--	--	--	--	--	--

07373423 MISSISSIPPI RIVER BELOW ST. FRANCISVILLE, LA.--Continued

CHEMICAL ANALYSES, APRIL TO SEPTEMBER 1972

DATE	CHROMIUM CR+6 (UG/L)	NICKEL (UG/L)	COPPER (UG/L)	LEAD (UG/L)	ZINC (UG/L)	COBALT (UG/L)	MERCURY (UG/L)	MANGANESE (UG/L)	STRONTIUM (UG/L)	LITHIUM (UG/L)	CADMIUM (UG/L)
APR. 5.....	0	18	5	10	10	<2	<.5	6	150	10	2
MAY 1.....	0	<5	10	25	10	<5	<.5	5	250	<10	2
MAY 12.....	0	<5	10	10	10	0	<.5	5	260	10	2
MAY 26.....	0	<5	20	<10	40	<5	<.5	25	40	10	<5
JUNE 12.....	0	<5	10	<10	36	<5	<.5	20	130	20	<5
JUNE 26.....	0	<5	5	<10	8	<5	<.5	18	330	10	<5
JULY 7.....	0	<5	0	<10	20	<5	<.5	10	340	10	<5
AUG. 1.....	2	<5	0	<10	10	<5	1.0	0	140	10	<5
AUG. 17.....	0	<5	0	<10	10	<5	<.5	0	140	10	<5
AUG. 23.....	0	<5	0	<10	20	<5	<.5	10	50	10	<5
AUG. 29.....	0	<5	0	<10	20	<5	1.0	22	170	10	<5
SEPT. 8.....	0	<5	0	<10	10	<5	<.5	10	200	10	<5
SEPT. 15.....	0	<5	0	<10	10	<5	.5	17	170	20	<5
SEPT. 22.....	0	<5	0	<10	10	<5	.5	24	190	20	<5

DISSOLVED ALUMINUM (UG/L)

APR. 5..... 0

MAY 1..... 200

MAY 12..... 100

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	461	--	357	--	397	--	354	375	454	357	351
2	--	465	--	357	--	392	--	354	374	448	362	347
3	--	473	--	363	--	387	--	351	374	436	365	354
4	--	467	--	369	--	375	--	350	378	434	369	e363
5	--	454	--	374	--	362	--	351	385	428	373	e372
6	--	457	--	371	--	353	--	354	391	423	379	e381
7	--	463	--	368	--	354	--	355	397	423	371	e390
8	--	451	--	372	--	362	--	355	401	428	359	401
9	--	451	--	373	--	--	--	356	406	427	350	427
10	--	446	--	370	--	--	370	356	412	421	340	424
11	--	440	--	358	--	--	377	358	420	431	358	431
12	--	439	--	373	--	--	381	343	424	444	388	439
13	--	444	--	375	--	--	381	335	426	420	396	442
14	--	452	436	361	--	294	382	--	432	397	406	439
15	--	452	400	--	--	278	384	--	439	379	411	461
16	--	443	421	--	--	289	--	--	440	367	413	482
17	--	438	396	--	--	297	--	--	435	355	413	473
18	--	437	402	--	--	315	--	--	430	350	413	479
19	--	447	431	--	--	--	--	--	433	356	426	477
20	--	461	408	--	--	--	--	329	439	366	425	479
21	--	452	381	--	357	289	--	335	441	372	425	470
22	456	442	393	--	365	297	--	341	438	369	425	460
23	458	436	415	--	379	301	--	340	440	365	419	447
24	463	434	434	--	390	314	--	338	442	357	385	442
25	458	436	439	340	390	--	--	339	448	348	380	449
26	457	--	--	334	382	--	--	346	452	348	377	455
27	455	--	--	332	381	--	--	351	464	351	380	439
28	447	--	397	334	381	--	--	358	466	352	390	423
29	446	--	397	--	389	--	--	360	465	349	370	425
30	448	--	376	--	--	--	--	365	458	348	348	436
31	458	--	364	--	--	--	--	370	--	355	341	--

07373423 MISSISSIPPI RIVER BELOW ST. FRANCISVILLE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	--	--	--	--	--	--	--	--	--	9.4	9.0	9.3
2	--	--	--	--	--	--	--	--	--	9.4	9.3	9.3
3	--	--	--	--	--	--	--	--	--	9.4	9.2	9.3
4	--	--	--	--	--	--	--	--	--	9.4	9.2	9.3
5	--	--	--	--	--	--	--	--	--	9.3	8.9	9.2
6	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	9.8	9.5	9.6	--	--	--	--	--	--
11	--	--	--	9.8	9.5	9.6	--	--	--	--	--	--
12	--	--	--	9.7	9.3	9.6	--	--	--	--	--	--
13	--	--	--	9.7	9.3	9.5	--	--	--	10.1	9.7	9.9
14	--	--	--	9.8	9.5	9.6	--	--	--	9.7	9.4	9.6
15	--	--	--	9.8	9.6	9.7	--	--	--	--	--	--
16	--	--	--	9.9	9.4	9.7	--	--	--	--	--	--
17	--	--	--	9.7	9.3	9.5	--	--	--	--	--	--
18	--	--	--	9.5	9.2	9.3	--	--	--	--	--	--
19	--	--	--	10.1	9.9	10.0	--	--	--	--	--	--
20	--	--	--	10.2	9.9	10.0	--	--	--	--	--	--
21	--	--	--	10.0	9.8	9.9	--	--	--	--	--	--
22	8.0	7.9	8.0	10.1	10.0	10.0	--	--	--	--	--	--
23	8.0	7.8	7.9	10.1	10.0	10.1	--	--	--	--	--	--
24	8.0	7.7	7.9	10.2	10.0	10.1	--	--	--	--	--	--
25	7.9	7.5	7.7	10.3	10.1	10.2	--	--	--	10.8	10.6	10.7
26	7.6	7.2	7.4	--	--	--	--	--	--	10.6	10.4	10.5
27	7.4	6.9	7.2	--	--	--	--	--	--	10.4	10.2	10.3
28	7.2	6.9	7.1	--	--	--	--	--	--	10.2	10.1	10.2
29	7.3	7.2	7.1	--	--	--	--	--	--	--	--	--
30	--	--	--	--	--	--	9.6	8.9	9.1	--	--	--
31	--	--	--	--	--	--	9.2	8.9	9.0	--	--	--
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	--	--	--	10.5	10.2	10.4	--	--	--	--	--	--
2	--	--	--	10.6	10.4	10.5	--	--	--	--	--	--
3	--	--	--	10.7	10.1	10.4	--	--	--	--	--	--
4	--	--	--	10.4	10.0	10.2	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	10.1	9.9	10.0	--	--	--
11	--	--	--	--	--	--	10.2	10.0	10.1	--	--	--
12	--	--	--	--	--	--	10.2	10.1	10.1	--	--	--
13	--	--	--	--	--	--	10.2	10.0	10.1	--	--	--
14	--	--	--	10.7	10.1	10.4	10.2	10.0	10.1	--	--	--
15	--	--	--	10.6	10.2	10.5	10.1	9.9	10.0	--	--	--
16	--	--	--	11.9	10.3	10.6	10.1	10.0	10.0	--	--	--
17	--	--	--	10.5	9.8	10.2	--	--	--	--	--	--
18	--	--	--	10.1	9.2	9.8	--	--	--	--	--	--
19	--	--	--	--	--	--	--	--	--	6.8	6.2	6.5
20	--	--	--	--	--	--	--	--	--	6.8	6.2	6.5
21	11.3	11.1	11.3	10.1	9.7	9.9	--	--	--	6.8	5.6	6.2
22	11.3	11.0	11.1	10.4	9.7	10.1	--	--	--	--	--	--
23	11.0	10.5	10.8	10.4	9.6	10.0	--	--	--	6.6	5.6	6.1
24	10.8	10.4	10.7	10.0	8.9	9.5	--	--	--	6.2	5.6	5.9
25	10.8	10.5	10.7	9.9	8.7	9.2	--	--	--	6.1	5.5	5.8
26	10.8	10.4	10.6	10.9	9.9	10.5	--	--	--	6.5	5.7	6.0
27	10.8	10.5	10.7	--	--	--	--	--	--	6.5	6.3	6.4
28	10.8	10.4	10.6	--	--	--	--	--	--	6.4	6.4	6.4
29	10.6	10.4	10.5	--	--	--	--	--	--	6.4	6.2	6.3
30	--	--	--	--	--	--	--	--	--	--	--	--
31	--	--	--	--	--	--	--	--	--	6.4	5.9	6.1

07373423 MISSISSIPPI RIVER BELOW ST. FRANCISVILLE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	--	--	--	7.2	6.9	7.0	6.8	6.0	6.3	6.5	6.4	6.5
2	--	--	--	7.0	6.6	6.8	6.3	6.0	6.1	6.6	6.4	6.5
3	--	--	--	6.8	6.4	6.7	6.4	6.0	6.2	6.5	6.3	6.4
4	--	--	--	7.2	6.5	6.7	6.3	5.9	6.1	--	--	--
5	--	--	--	7.2	6.8	7.0	6.4	6.0	6.2	--	--	--
6	--	--	--	7.2	6.9	7.1	6.5	5.9	6.2	--	--	--
7	--	--	--	7.0	6.9	7.0	6.0	5.7	5.9	--	--	--
8	--	--	--	7.0	6.8	6.9	5.9	5.7	5.8	6.1	6.0	6.0
9	--	--	--	6.9	6.7	6.8	6.1	5.7	5.9	6.1	6.0	6.1
10	--	--	--	6.8	6.6	6.7	6.0	5.6	5.8	6.2	6.0	6.1
11	--	--	--	6.7	6.6	6.7	6.9	5.3	6.1	6.3	6.1	6.2
12	6.9	6.8	6.9	6.8	6.6	6.7	6.9	6.8	6.9	6.1	6.0	6.1
13	6.9	6.6	6.9	7.1	6.5	6.9	7.0	6.8	6.9	6.1	5.7	5.9
14	7.0	6.8	6.9	7.1	6.6	6.8	7.0	6.8	6.9	5.8	5.6	5.7
15	7.1	6.6	6.8	6.9	6.7	6.7	7.0	6.9	7.0	6.3	5.7	5.9
16	6.9	5.8	6.7	6.9	6.8	6.8	7.0	6.8	6.9	6.3	6.2	6.2
17	6.8	6.7	6.7	7.5	6.7	7.1	7.1	6.7	6.9	6.2	6.0	6.1
18	6.8	6.6	6.7	7.4	7.3	7.4	6.8	6.3	6.6	6.1	5.9	6.0
19	6.9	6.8	6.8	7.4	7.2	7.3	6.8	6.4	6.6	6.0	5.8	5.9
20	6.8	6.6	6.7	7.3	7.2	7.2	6.8	6.4	6.6	5.9	5.8	5.9
21	6.9	6.6	6.8	7.3	7.2	7.3	6.8	6.4	6.6	5.9	5.7	5.8
22	6.9	6.8	6.8	7.2	7.2	7.2	6.8	6.4	6.6	6.3	5.7	6.0
23	6.9	6.8	6.8	7.3	7.2	7.2	7.2	7.2	6.8	6.4	6.2	6.3
24	6.9	6.7	6.8	7.3	7.2	7.2	7.4	7.2	7.2	6.4	6.3	6.4
25	6.9	6.7	6.8	7.2	7.0	7.1	7.3	7.2	7.2	6.4	6.1	6.3
26	7.2	6.8	6.9	7.1	6.9	7.0	7.3	7.2	7.3	6.2	5.9	6.0
27	7.2	6.9	7.1	7.0	6.6	6.9	7.4	7.2	7.3	6.0	5.8	5.9
28	7.1	7.1	7.1	6.9	6.4	6.7	7.4	7.3	7.3	5.9	5.7	5.8
29	7.1	7.0	7.1	6.8	6.7	6.8	7.2	6.6	6.7	6.0	5.8	5.9
30	7.2	7.1	7.1	6.9	6.7	6.8	6.7	6.5	6.6	6.2	5.7	5.9
31	--	--	--	6.8	6.6	6.7	6.6	6.4	6.5	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	21.5	--	10.5	--	9.0	--	17.5	23.5	27.5	30.0	28.5
2	--	21.5	--	10.5	--	9.0	--	17.5	24.0	27.0	30.0	29.0
3	--	21.5	--	10.5	--	9.0	--	17.5	24.0	27.5	29.5	29.0
4	--	20.5	--	11.0	--	9.0	--	17.5	24.0	28.0	30.0	--
5	--	20.0	--	10.0	--	9.0	--	17.0	24.0	27.5	30.0	--
6	--	20.0	--	9.5	--	9.0	--	17.5	24.5	27.0	30.0	--
7	--	19.0	--	9.0	--	--	--	17.5	25.0	27.0	30.0	--
8	--	18.0	--	8.5	--	--	--	18.0	25.0	26.5	29.5	29.0
9	--	17.5	--	8.5	--	--	--	18.0	25.5	26.5	29.5	29.0
10	--	17.0	--	8.5	--	--	12.5	18.0	26.0	26.5	29.5	28.5
11	--	16.5	--	8.5	--	--	12.5	18.5	26.0	26.5	29.5	28.5
12	--	16.0	--	8.0	--	--	13.0	18.5	26.5	26.5	29.5	28.0
13	--	16.0	--	9.0	--	--	13.5	--	26.5	26.5	29.5	28.0
14	--	15.5	--	9.0	--	9.0	14.0	--	26.5	26.5	29.0	28.0
15	--	15.5	--	9.0	--	9.5	15.0	--	26.5	26.0	29.0	28.0
16	--	15.5	--	--	--	10.0	--	--	27.0	26.5	29.0	27.5
17	--	15.5	--	--	--	10.0	--	--	26.5	26.5	29.0	27.5
18	--	15.5	--	--	--	--	--	--	26.5	27.0	29.0	27.5
19	--	15.5	--	--	--	--	--	--	26.5	27.0	29.0	27.5
20	--	15.0	--	--	--	--	--	20.0	26.5	27.5	29.0	27.5
21	--	15.0	--	--	7.0	11.0	--	20.0	27.0	28.0	29.5	27.5
22	22.0	14.0	--	--	7.5	11.0	--	20.5	27.5	28.0	29.5	27.5
23	22.0	13.5	--	--	7.5	11.5	--	20.5	27.5	28.5	29.5	27.5
24	22.0	13.0	--	--	8.0	--	--	21.0	27.5	29.0	29.5	27.5
25	21.5	12.5	--	8.0	8.5	--	--	21.5	27.5	29.0	29.0	27.0
26	21.5	--	--	8.0	9.0	--	--	21.5	28.0	29.5	29.0	27.0
27	21.5	--	--	8.0	9.0	--	--	22.0	28.5	29.5	29.0	27.0
28	21.5	--	--	8.5	8.5	--	--	22.5	28.0	30.0	29.0	27.0
29	21.5	--	--	--	9.0	--	--	23.0	28.0	30.0	29.0	26.5
30	21.5	--	9.5	--	--	--	--	23.0	28.0	30.0	29.0	26.5
31	21.5	--	10.0	--	--	--	--	23.5	--	29.5	28.5	--

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.

LOCATION.--Lat 29°56'19", long 90°21'49", St. Charles Parish, at Ferry at Luling-to-Destrehan crossing, 17 miles west of New Orleans.

DRAINAGE AREA.--1,243,600 sq mi, arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1972 (discontinued).
Water temperatures: October 1957 to September 1972 (discontinued).

EXTREMES.--1971-72:

Specific conductance: Maximum daily, unknown; minimum, unknown.
Water temperatures: Maximum, 31°C Aug. 8; minimum, unknown.

Period of record:

Specific conductance: Maximum daily, 636 micromhos Oct. 12, 1959 may have been higher during periods of no record; minimum daily, 219 micromhos Mar. 27, 28, 30, 1964.
Water temperatures: Maximum, 32°C July 21, 24, Aug. 14, 1962, July 2, 3, 5, 6, 1969; minimum, 3°C Jan. 12, 1962.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 19	--	3.9	0	49	14	41	3.7	138	100	44
MAY 19	--	6.6	90	39	9.9	13	2.9	113	46	15
JULY 6	--	5.1	0	54	14	25	3.2	154	78	27
AUG. 11	--	5.4	110	44	13	28	3.2	142	72	24
SEPT. 20	--	7.2	10	53	14	31	3.4	162	75	30

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- CORAL) UNITS)	PH (UNITS)
OCT. 19	0.8	0.70	337	325	180	69	567	--	10	7.4
MAY 19	.3	.90	214	193	140	45	347	--	15	7.2
JULY 6	.5	.60	307	286	190	66	493	--	10	7.4
AUG. 11	.6	.40	267	262	160	48	450	--	5	7.6
SEPT. 20	.6	.40	296	296	190	59	517	--	10	6.9

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
(ONCE-DAILY MEASUREMENT)

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

[illegible]

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.

LOCATION.--Lat 29°57'03", long 90°08'17", at Orleans-Jefferson Parish line at Carrollton Street Municipal Water Plant.

DRAINAGE AREA.--1,243,600 sq mi, arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: Water years 1967-68 (partial-record station), October 1968 to September 1972.
Water temperatures: November 1970 to September 1972.

REMARKS.--Continuous recorder at this station. Probes are 8 ft above bottom of river.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 6	--	3.9	70	44	12	33	3.5	127	77	33
NOV. 8	--	4.5	0	47	13	45	3.8	146	80	47
NOV. 30	--	4.8	20	44	13	31	3.2	144	68	31
DEC. 15	--	5.7	0	42	12	29	3.3	136	68	25
FEB. 4	--	7.3	0	35	7.9	16	1.8	102	42	18
MAR. 2	--	7.4	10	43	9.4	19	2.0	112	58	22
APR. 26	--	5.8	90	44	12	17	3.0	118	70	21
MAY 10	--	6.7	130	39	8.9	14	3.5	101	60	16
JUNE 30	--	5.0	0	56	18	24	3.8	172	83	24
AUG. 9	--	3.4	0	49	12	28	3.5	156	76	24
SEPT. 13	--	7.0	10	53	13	27	2.4	148	82	30
SEPT. 20	--	7.8	40	51	16	30	2.4	164	71	32
SEPT. 27	--	--	--	--	--	--	--	--	--	--

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 6	0.5	0.50	287	270	160	54	473	26.0	10	7.5
NOV. 8	.8	.70	325	313	170	50	561	21.0	5	7.9
NOV. 30	.7	.60	281	269	160	47	474	14.0	5	7.6
DEC. 15	.5	.90	266	257	160	44	446	11.5	10	7.5
FEB. 4	.4	.70	186	182	120	36	307	7.0	5	7.2
MAR. 2	.5	1.1	227	221	150	54	373	10.0	10	7.3
APR. 26	.4	1.6	257	238	160	63	402	17.0	20	7.3
MAY 10	.5	1.2	206	204	130	51	347	18.5	15	7.2
JUNE 30	.5	.30	322	300	210	71	508	29.0	10	7.2
AUG. 9	.4	.30	275	275	170	44	458	30.0	5	7.5
SEPT. 13	.8	.30	302	290	190	65	497	29.0	15	7.3
SEPT. 20	.7	.30	314	293	190	59	527	29.0	15	7.7
SEPT. 27	--	--	--	--	--	--	501	28.0	--	7.2

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 6	--	--	--	--	--	--	--	--	--
NOV. 8	7.2	--	--	--	--	--	--	--	--
NOV. 30	8.6	--	--	--	--	--	--	--	--
DEC. 15	10.0	--	--	--	--	--	--	--	--
FEB. 4	11.6	--	--	--	--	--	--	--	--
MAR. 2	11.3	--	--	--	--	--	--	--	--
APR. 26	7.5	--	--	--	--	--	--	--	--
MAY 10	6.3	--	--	--	--	--	--	--	--
JUNE 30	5.9	--	--	--	--	--	--	--	--
AUG. 9	7.0	--	--	--	--	--	--	--	--
SEPT. 13	6.3	--	--	--	--	--	--	--	--
SEPT. 20	6.0	--	--	--	--	--	--	--	--
SEPT. 27	6.2	--	--	--	--	--	--	--	--

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972											
DATE	CHROMIUM CR+6 (UG/L)	NICKEL (UG/L)	COPPER (UG/L)	LEAD (UG/L)	ZINC (UG/L)	COBALT (UG/L)	MERCURY (UG/L)	MANGANESE (UG/L)	STRONTIUM (UG/L)	LITHIUM (UG/L)	CADMIUM (UG/L)
APR. 5.....	0	12	5	10	10	6	<.5	4	150	10	<2
MAY 10.....	0	<5	10	10	20	0	<.5	15	180	10	5
MAY 23.....	0	<5	10	10	10	<5	<.5	5	160	10	3
JUNE 13.....	0	<5	10	<10	10	<5	<.5	20	120	10	<5
JUNE 30.....	0	15	5	<10	23	<5	<.5	12	50	10	<5
JULY 19.....	0	<5	0	<10	20	<5	1.0	20	340	10	<5
AUG. 9.....	0	<5	0	<10	20	<5	.5	10	240	10	<5
AUG. 15.....	0	<5	0	<10	20	<5	<.5	10	240	10	<5
AUG. 25.....	0	<5	0	<10	10	<5	<.5	10	40	10	<5
SEPT. 6.....	0	<5	0	<10	10	<5	<.5	0	150	10	<5
SEPT. 13.....	0	<5	0	<10	10	<5	<.5	10	240	10	<5
SEPT. 20.....	2	<5	0	<10	10	<5	1.8	18	250	20	<5
SEPT. 27.....	0	<5	0	<10	20	<5	<.5	24	190	20	<5

DISSOLVED ALUMINUM (UG/L)

APR. 5..... 100

MAY 10..... 100

MAY 23..... 200

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	468	523	440	404	329	382	366	368	362	428	372	415
2	459	527	439	390	340	374	367	360	353	426	--	411
3	453	515	438	366	322	376	384	359	365	431	--	404
4	444	507	432	347	308	383	386	355	371	426	--	394
5	434	516	431	333	325	377	390	346	375	420	--	401
6	439	530	429	347	338	371	401	346	381	411	--	402
7	446	531	410	350	335	361	402	344	389	405	--	406
8	450	529	411	362	335	342	402	345	396	401	--	418
9	459	e520	388	368	343	333	396	343	397	387	474	435
10	457	506	359	373	348	333	397	342	414	383	484	440
11	467	509	375	365	352	331	398	335	417	385	472	441
12	478	521	358	363	349	357	398	334	427	382	455	454
13	487	518	381	359	351	375	402	340	428	377	447	480
14	502	505	401	349	344	375	405	341	427	386	435	507
15	514	499	422	350	337	346	411	349	436	409	422	506
16	525	493	433	340	333	330	410	350	447	403	411	520
17	537	490	425	330	324	315	410	351	450	383	417	529
18	547	495	406	325	322	319	412	348	449	374	427	531
19	548	504	413	331	339	332	419	346	444	361	436	533
20	547	496	373	330	348	e335	425	349	446	452	437	528
21	546	487	376	333	368	345	440	350	428	354	439	498
22	545	476	365	337	374	345	443	353	419	364	442	466
23	542	480	368	344	375	344	443	351	413	371	449	465
24	541	474	380	350	379	344	448	353	418	386	452	458
25	531	471	403	345	375	345	440	354	423	382	414	451
26	532	471	426	348	379	347	417	353	423	374	395	455
27	530	466	422	342	389	365	388	354	412	367	398	443
28	518	456	413	327	399	379	372	359	408	366	388	431
29	514	451	414	326	392	378	369	368	410	365	380	431
30	518	444	400	315	--	367	367	370	414	363	398	432
31	520	--	404	315	--	367	--	374	--	369	407	--

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	6.9	7.2	6.8	6.8	6.8	9.6	8.7	9.2	9.1	8.7	8.9
2	7.0	6.6	6.9	6.9	6.8	6.8	9.6	8.9	9.2	9.4	8.6	9.0
3	6.7	6.4	6.5	6.9	6.6	6.8	9.8	8.7	9.3	10.1	8.7	9.6
4	6.4	6.2	6.3	7.1	6.9	7.0	9.7	8.7	9.2	10.3	9.0	10.1
5	6.4	6.3	6.4	7.1	7.0	7.0	9.7	8.9	9.4	10.6	9.7	10.2
6	7.5	6.0	6.3	--	--	--	--	--	--	10.5	9.8	10.0
7	6.4	6.3	6.3	--	--	--	--	--	--	10.7	9.8	10.3
8	6.5	6.3	6.5	--	--	--	--	--	--	10.7	9.7	10.3
9	6.4	6.3	6.3	--	--	--	--	--	--	10.0	9.6	9.9
10	6.5	6.3	6.4	--	--	--	--	--	--	10.4	9.0	10.0
11	6.6	6.4	6.5	--	--	--	--	--	--	10.8	10.5	10.7
12	6.6	6.4	6.5	--	--	--	--	--	--	10.7	10.5	10.6
13	6.7	6.5	6.6	--	--	--	--	--	--	10.7	10.4	10.6
14	6.9	6.5	6.7	--	--	--	--	--	--	10.9	10.4	10.7
15	7.0	6.6	6.8	--	--	--	--	--	--	11.3	10.8	11.0
16	6.8	6.6	6.7	--	--	--	--	--	--	11.4	11.1	11.2
17	6.8	6.7	6.7	12.5	9.0	10.7	--	--	--	11.4	11.0	11.2
18	6.7	6.6	6.7	9.3	8.9	9.2	--	--	--	11.4	11.0	11.2
19	6.8	6.7	6.8	9.3	9.0	9.2	--	--	--	11.3	10.9	11.1
20	7.0	6.6	6.9	9.5	9.0	9.3	8.7	8.0	8.5	11.2	11.0	11.1
21	7.0	6.8	6.9	9.6	9.3	9.4	8.9	8.6	8.8	11.5	11.2	11.2
22	6.9	6.6	6.8	9.6	9.0	9.3	8.9	8.7	8.8	11.6	11.2	11.3
23	6.7	6.6	6.6	9.5	8.9	9.2	9.0	8.7	8.9	11.5	11.1	11.2
24	6.7	6.5	6.6	9.1	8.1	8.8	8.9	8.3	8.7	11.3	11.2	11.2
25	6.8	6.5	6.6	9.5	7.9	8.5	8.8	8.4	8.7	11.4	11.2	11.3
26	6.9	6.4	6.7	9.4	8.1	8.8	9.0	8.4	8.7	11.5	11.1	11.3
27	6.9	6.6	6.8	9.4	8.9	9.2	9.1	8.6	8.9	11.4	11.3	11.3
28	7.1	6.7	6.8	9.5	9.0	9.3	9.1	8.6	8.9	11.5	11.1	11.4
29	6.9	6.8	6.9	9.8	8.9	9.3	9.2	8.6	9.1	11.4	11.3	11.3
30	6.9	6.6	6.8	9.8	8.9	9.2	9.3	9.2	9.2	11.7	11.3	11.4
31	6.9	6.7	6.8	--	--	--	9.3	8.7	9.1	11.5	11.3	11.5
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	11.1	11.4	11.0	11.0	11.0	--	--	--	7.8	7.5	7.7
2	11.4	11.2	11.3	11.3	11.0	11.1	--	--	--	7.6	7.5	7.5
3	11.6	11.2	11.3	11.3	11.2	11.2	--	--	--	7.5	6.9	7.1
4	12.0	10.5	11.4	11.2	11.0	11.1	--	--	--	7.0	6.8	6.9
5	12.0	11.7	11.8	11.0	10.8	10.9	--	--	--	6.9	6.6	6.9
6	11.8	10.1	10.9	11.1	10.8	10.9	--	--	--	7.0	6.6	6.9
7	--	--	--	10.8	10.7	10.8	--	--	--	6.9	6.6	6.8
8	--	--	--	10.7	10.6	10.7	--	--	--	6.7	6.6	6.7
9	--	--	--	10.6	10.5	10.6	--	--	--	6.8	6.6	6.6
10	--	--	--	10.6	10.4	10.5	--	--	--	--	--	--
11	--	--	--	10.5	10.3	10.4	--	--	--	--	--	--
12	--	--	--	10.4	10.2	10.3	--	--	--	--	--	--
13	--	--	--	10.3	9.0	10.1	--	--	--	--	--	--
14	--	--	--	10.1	9.6	9.9	--	--	--	--	--	--
15	--	--	--	10.4	9.6	9.8	9.6	9.2	9.4	--	--	--
16	--	--	--	10.4	9.0	10.2	9.6	9.1	9.4	--	--	--
17	12.0	11.6	11.9	10.2	9.0	10.1	9.5	9.0	9.3	--	--	--
18	12.1	12.0	12.0	10.1	9.9	10.1	9.3	8.9	9.1	--	--	--
19	12.1	12.0	12.0	10.1	9.6	10.0	9.1	8.8	9.0	--	--	--
20	12.0	11.8	11.9	--	--	--	9.0	8.6	8.8	--	--	--
21	11.9	11.7	11.8	9.9	9.6	9.9	8.8	8.6	8.7	--	--	--
22	11.8	10.5	11.7	9.9	9.6	9.8	8.6	8.5	8.5	--	--	--
23	11.7	11.6	11.6	9.7	9.6	9.7	8.6	8.4	8.5	7.1	6.5	6.9
24	11.6	11.4	11.5	--	--	--	8.5	8.1	8.4	7.1	6.9	7.0
25	11.5	11.1	11.4	--	--	--	8.4	8.1	8.3	6.9	6.6	6.8
26	11.4	11.2	11.3	--	--	--	8.2	7.8	8.0	6.8	6.6	6.7
27	11.2	11.1	11.1	--	--	--	8.1	7.5	7.9	6.8	6.7	6.7
28	11.2	11.0	11.1	--	--	--	8.0	7.7	7.8	6.8	6.6	6.7
29	11.0	10.9	11.0	--	--	--	8.0	7.7	7.9	6.6	6.5	6.6
30	--	--	--	--	--	--	8.0	7.7	7.8	6.5	6.4	6.5
31	--	--	--	--	--	--	--	--	--	6.5	6.3	6.4

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	6.3	6.7	--	--	--	--	--	--	6.6	6.0	6.4
2	7.0	6.7	6.8	--	--	--	6.5	6.2	6.3	6.6	6.5	6.6
3	6.7	6.3	6.4	--	--	--	6.9	6.2	6.6	6.6	6.4	6.5
4	--	--	--	--	--	--	7.0	6.8	6.9	6.5	6.3	6.4
5	--	--	--	--	--	--	7.1	6.9	7.0	6.5	6.2	6.3
6	--	--	--	--	--	--	7.4	7.0	7.2	6.3	6.0	6.2
7	--	--	--	--	--	--	7.5	7.0	7.3	6.1	6.0	6.1
8	--	--	--	--	--	--	7.2	7.0	7.1	6.0	5.9	5.9
9	--	--	--	--	--	--	7.2	7.1	7.1	5.9	5.7	5.9
10	--	--	--	--	--	--	7.0	6.4	6.9	5.8	5.7	5.8
11	--	--	--	--	--	--	6.5	6.1	6.3	5.9	5.7	5.8
12	--	--	--	--	--	--	6.3	6.1	6.2	5.9	5.7	5.8
13	--	--	--	--	--	--	6.4	5.9	6.2	6.6	5.9	6.3
14	--	--	--	--	--	--	6.5	5.8	6.2	6.8	6.6	6.7
15	--	--	--	--	--	--	7.0	6.4	6.7	6.8	6.7	6.8
16	--	--	--	--	--	--	7.1	6.9	7.0	6.8	6.6	6.7
17	--	--	--	--	--	--	7.1	7.0	7.1	6.7	6.5	6.6
18	--	--	--	--	--	--	7.2	6.9	7.1	6.6	6.5	6.6
19	--	--	--	5.9	5.4	5.6	7.1	6.9	7.0	6.7	6.4	6.5
20	--	--	--	6.0	5.5	5.8	7.0	6.9	7.0	6.5	6.1	6.4
21	--	--	--	6.3	5.6	5.9	7.0	6.6	6.9	6.1	6.0	6.0
22	--	--	--	6.0	5.1	5.6	7.0	6.6	6.9	6.2	5.9	6.0
23	--	--	--	6.1	5.4	5.7	7.1	6.9	7.0	6.0	5.8	6.0
24	--	--	--	6.0	5.5	5.7	6.9	6.6	6.8	6.1	5.9	6.0
25	--	--	--	6.0	5.1	5.6	6.8	6.3	6.5	6.3	6.0	6.2
26	--	--	--	5.9	5.1	5.7	6.5	6.3	6.4	6.1	5.8	6.0
27	--	--	--	--	--	--	6.5	6.3	6.4	6.5	5.7	6.1
28	--	--	--	--	--	--	6.4	6.0	6.2	6.6	6.5	6.5
29	--	--	--	--	--	--	6.6	6.4	6.5	6.6	6.5	6.6
30	--	--	--	--	--	--	6.4	6.3	6.4	6.7	6.5	6.6
31	--	--	--	--	--	--	6.5	6.3	6.4	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	22.5	13.0	10.5	8.0	9.5	13.0	18.0	24.0	28.5	28.5	28.5
2	26.0	22.5	13.0	10.5	8.0	9.5	12.5	18.5	24.0	28.5	28.5	28.5
3	26.0	22.5	12.5	11.0	7.5	9.5	12.5	18.5	24.5	28.5	29.0	28.5
4	26.0	22.0	12.0	11.0	7.0	9.5	12.5	18.5	24.5	28.0	29.0	28.0
5	26.0	22.0	11.5	11.0	6.5	9.5	12.5	18.5	25.0	27.5	29.5	28.5
6	26.0	22.0	11.5	11.0	6.5	9.5	12.5	18.5	25.0	27.5	30.0	28.5
7	26.0	21.5	11.0	10.5	6.5	9.5	12.5	18.5	25.5	27.5	30.0	28.5
8	25.5	21.0	10.5	10.5	6.0	9.5	13.0	18.5	25.5	27.0	30.0	29.0
9	25.5	21.0	10.5	10.5	6.0	9.5	13.5	18.5	26.0	27.0	30.0	29.0
10	25.5	20.0	11.0	10.0	6.0	9.0	13.5	19.0	26.0	26.5	30.0	29.0
11	25.0	19.5	11.0	9.5	6.0	9.0	14.0	19.0	26.0	26.5	30.0	28.5
12	25.0	19.0	11.0	9.0	6.0	9.0	14.0	19.5	26.5	26.5	29.5	28.5
13	25.0	18.5	11.0	9.0	6.0	9.5	14.0	19.0	26.5	26.5	29.5	28.5
14	24.5	18.5	11.5	9.0	6.0	9.5	14.5	19.5	26.5	26.0	29.5	28.0
15	24.5	18.0	11.5	9.0	6.0	10.0	14.5	19.5	26.5	26.0	29.0	28.0
16	24.0	17.5	11.5	8.5	6.0	10.0	15.0	19.5	26.5	26.0	29.0	28.0
17	24.0	17.0	12.0	8.0	6.0	10.5	16.0	20.0	26.5	26.0	29.0	28.0
18	23.5	17.0	11.5	7.5	6.0	10.5	16.5	20.0	26.5	26.0	28.5	27.5
19	23.5	16.5	11.5	7.5	6.5	11.0	17.0	20.5	27.0	26.0	28.5	28.0
20	23.5	16.5	12.0	7.0	6.5	11.0	17.5	20.5	27.0	26.0	29.0	28.0
21	23.0	16.0	11.5	7.0	6.5	11.5	17.5	21.0	27.0	26.0	29.0	27.5
22	23.0	16.0	11.5	6.5	7.0	12.0	18.0	21.0	27.0	26.5	29.0	27.5
23	23.0	15.5	11.5	7.0	7.0	12.0	18.0	21.5	27.0	27.0	29.0	27.5
24	22.5	15.5	11.5	7.0	7.5	12.5	17.5	21.5	27.0	27.0	29.5	27.5
25	22.5	15.0	11.5	7.0	7.5	13.0	17.5	21.5	27.5	27.5	29.0	27.0
26	22.5	14.5	11.0	7.5	8.0	13.0	17.0	22.0	27.5	28.0	29.0	27.0
27	22.5	14.0	11.0	7.5	8.5	13.0	17.0	22.5	28.0	28.0	29.0	27.0
28	23.0	14.0	10.5	8.0	8.5	13.0	17.5	22.5	28.0	28.5	29.0	27.5
29	23.0	13.5	10.5	8.0	9.0	13.0	17.5	23.0	28.0	28.5	29.0	27.0
30	22.5	13.5	10.5	8.5	--	13.0	18.0	23.5	28.0	28.5	28.5	26.5
31	22.5	--	--	--	--	13.0	--	23.5	--	28.5	28.5	--

07381200 BAYOU LAFOURCHE AT VALENTINE, LA.

LOCATION.--Lat 29°35'35", long 90°28'25", on line between lots 96 and 98, T.17 S., R20 E., Lafourche Parish, at gaging station on bridge on State Highway 308, at Valentine, 5.7 miles south of Lockport, and 5.2 miles upstream from Intracoastal Waterway.

PERIOD OF RECORD.--Chemical analyses: March to August 1956, October 1958 to September 1959, January 1970 to September 1972.

REMARKS.--Pumping plant at Donaldsonville total flow of Bayou Lafourche from Mississippi except for small amounts of storm drainage during freshets and some flow from Intracoastal Waterway entering at Lockport. Conductance recorder with probe 3 ft from stream bottom. Daily mean values are reported in daily conductance table.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), January 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	257	307	475	315	307	307	--	--	--	550	355	470
2	273	299	483	315	265	299	--	--	--	500	355	680
3	324	290	500	307	257	299	--	--	--	475	330	840
4	324	282	408	349	265	307	--	--	--	500	340	520
5	307	273	341	357	282	307	--	--	--	520	340	600
6	299	282	324	341	273	299	--	--	--	520	355	500
7	282	324	341	282	273	290	--	--	--	500	380	445
8	273	390	341	273	265	299	--	--	--	510	380	445
9	273	416	349	282	273	307	--	--	--	500	380	430
10	265	416	324	290	273	324	--	440	--	460	390	430
11	265	408	315	299	282	332	--	540	405	450	400	430
12	265	408	307	299	273	324	--	600	410	450	400	430
13	282	425	307	299	273	324	--	260	400	450	400	430
14	273	425	307	324	273	332	--	220	400	400	400	430
15	265	425	315	315	273	332	--	260	700	280	410	410
16	265	416	332	315	257	341	--	300	2,800	320	420	410
17	265	408	341	315	253	357	--	295	3,200	370	420	430
18	273	509	349	307	265	374	--	280	2,900	390	415	390
19	273	593	332	265	248	--	--	280	2,700	380	435	380
20	282	542	307	273	257	--	--	280	800	400	395	430
21	290	492	273	282	265	--	--	280	420	800	385	460
22	300	483	282	282	265	--	--	280	580	1,700	330	450
23	300	475	290	299	265	--	--	280	700	1,100	300	440
24	310	458	299	307	265	--	--	290	600	490	380	600
25	310	458	299	315	257	--	--	280	540	400	410	1,500
26	315	467	290	324	307	--	--	350	680	400	470	1,500
27	315	475	290	324	332	--	--	390	600	380	500	860
28	307	475	300	315	341	--	--	380	640	360	440	480
29	299	467	300	315	324	--	--	375	580	360	400	500
30	290	467	310	324	---	--	--	380	570	360	440	440
31	299	---	324	332	---	--	--	--	---	370	470	---
AVERAGE	289	419	332	308	276	--	--	--	--	507	394	559

07381500 ATCHAFALAYA RIVER AT KROTZ SPRINGS, LA.

LOCATION.--Lat 30°32'48", long 91°45'04", in sec.7, T.6 S., R.7 E., Louisiana meridian, St. Landry-Pointe Coupee Parish line, at first pier from west bank on bridge on U.S. Highway 190, 0.5 mile north of town of Krotz Springs, 0.6 mile upstream from New Orleans, Texas and Mexico Railway Co. bridge, 10 miles upstream from Bayou Courtableau, and 42 miles downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: Water years 1952-55, 1966 (partial-record station), October 1966 to September 1972 (discontinued).

Water temperatures: August 1952 to September 1955.

EXTREMES.--1971-72:

Specific conductance: Maximum daily, 540 micromhos Oct. 15; minimum daily, 220 micromhos Jan. 11, 16.

REMARKS.--Conductance recorder with probe 6 ft in depth at low water; daily mean values are reported in the daily conductance table.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 12	--	5.0	280	47	14	46	3.2	149	78	39
NOV. 5	--	4.0	0	42	10	33	2.9	140	54	32
DEC. 13	--	6.2	10	37	9.6	34	2.9	132	47	36
JAN. 12	--	6.4	290	28	5.8	16	2.8	92	28	19
FEB. 18	--	6.9	--	30	8.0	19	2.4	92	36	24
MAR. 7	--	6.6	60	30	8.5	16	2.3	92	41	20
APR. 10	--	6.1	80	37	9.6	17	3.2	108	46	23
MAY 12	--	7.2	150	39	7.4	12	2.9	102	45	14
JUNE 12	--	4.6	30	51	14	22	1.7	153	71	24
JULY 17	--	6.1	10	37	12	24	3.2	103	80	23
AUG. 17	--	6.9	30	44	11	24	3.3	128	62	24
SEPT. 8	--	8.0	10	51	12	29	1.4	155	60	32

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- CORAL) UNITS)	PH (UNITS)
OCT. 12	0.3	0.40	303	302	180	54	531	23.5	10	7.7
NOV. 5	.3	.50	275	249	150	32	441	21.0	15	7.4
DEC. 13	.2	.30	244	239	130	24	416	13.0	20	7.7
JAN. 12	.2	.70	187	154	94	19	267	10.0	20	7.5
FEB. 18	.1	.50	221	174	110	33	310	8.0	50	7.4
MAR. 7	.2	.90	194	174	110	35	298	10.5	30	7.3
APR. 10	.1	1.1	222	200	130	43	342	14.0	20	7.3
MAY 12	.2	1.3	200	183	130	44	329	19.0	20	7.5
JUNE 12	.2	.50	276	266	180	57	452	27.0	5	7.4
JULY 17	.2	.40	235	230	140	56	390	--	10	6.9
AUG. 17	.2	.30	244	240	160	50	421	28.5	10	6.9
SEPT. 8	.3	.30	294	271	180	49	492	29.5	10	7.4

07381500 ATCHAFALAYA RIVER AT KROTZ SPRINGS, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	410	430	450	235	240	320	285	310	330	455	380	385
2	410	435	455	235	240	320	295	305	335	450	385	385
3	415	445	470	230	240	320	300	300	345	445	390	390
4	420	445	430	230	245	315	300	300	360	445	400	400
5	435	440	390	240	245	305	310	305	360	440	400	400
6	445	440	385	240	245	285	310	305	360	430	405	405
7	460	445	325	240	250	285	310	305	365	425	405	425
8	475	440	300	240	250	275	310	285	375	420	400	440
9	480	445	295	235	250	265	310	285	380	420	400	440
10	490	435	300	225	250	265	315	285	390	415	390	435
11	505	430	335	220	250	265	340	285	405	410	380	425
12	520	425	380	230	250	270	340	290	420	420	375	430
13	520	425	390	240	250	265	340	295	435	410	360	440
14	530	440	395	240	250	260	340	295	435	390	360	450
15	540	445	370	230	260	255	340	285	445	360	370	460
16	535	445	340	220	270	245	345	285	440	360	375	455
17	520	440	310	225	280	250	350	285	445	360	390	440
18	500	445	280	230	290	255	355	285	450	360	395	455
19	485	440	270	235	290	260	355	285	445	365	390	475
20	485	445	260	235	285	265	355	280	435	375	405	495
21	500	445	265	240	285	265	355	285	450	380	405	495
22	510	430	265	245	285	255	355	295	440	370	400	490
23	510	430	280	250	290	260	355	295	425	365	410	490
24	495	425	290	250	305	270	355	295	425	360	405	485
25	485	425	285	245	325	280	340	295	425	360	410	480
26	475	435	280	240	345	300	325	295	425	360	395	465
27	480	450	275	230	340	305	315	305	430	365	390	455
28	560	455	275	230	325	300	310	310	435	375	400	420
29	460	455	265	235	325	285	310	315	445	380	405	415
30	430	470	255	235	---	275	310	315	455	380	390	430
31	435	---	235	245	---	275	---	320	---	380	380	---
AVERAGE	481	440	326	326	274	278	328	296	410	395	392	442

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.

LOCATION.--Lat 30°04'40", long 92°03'20", Lafayette Parish, at bridge on State Highway 3073, 4.1 miles downstream from Coulee Mine, 5.1 miles downstream from Pinhook Bridge, and 4.8 miles southwest of Central School at Lafayette.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1972.

Water temperatures: October 1970 to September 1972.

REMARKS.--Continuous records are collected at this station. Probes are 2 ft from river bottom.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
NOV. 4	--	13	30	20	6.6	28	5.2	96	15	31
DEC. 1	--	13	20	26	7.3	65	4.4	127	14	82
JAN. 4	--	7.4	--	11	3.5	16	4.1	49	12	20
JAN. 20	--	7.7	--	11	2.1	10	3.1	44	7.8	12
FEB. 14	--	5.1	30	8.4	1.7	7.6	3.1	32	5.6	10
MAR. 3	--	6.1	60	12	3.4	15	3.1	48	5.0	22
APR. 13	--	9.5	50	21	6.7	19	2.8	99	9.4	24
APR. 28	--	10	40	29	8.6	22	3.5	127	9.4	30
MAY 15	--	6.8	60	9.0	2.1	11	3.3	32	7.2	14
JUNE 2	--	11	120	24	7.8	14	3.1	102	12	19
JULY 20	--	15	0	26	9.7	62	4.2	119	13	94
AUG. 16	--	15	20	29	9.9	42	4.1	130	16	55
AUG. 31	--	16	0	23	6.7	48	4.0	105	14	66
SEPT. 14	--	18	10	25	7.4	53	4.0	112	20	68
SEPT. 21	--	20	40	28	12	180	3.6	137	14	270
SEPT. 28	--	--	--	--	--	--	--	--	--	--

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
NOV. 4	0.2	0.90	175	170	77	0	282	--	50	7.0
DEC. 1	.2	.50	278	277	95	0	490	14.0	20	7.3
JAN. 4	.1	.40	128	100	42	2	160	17.5	80	6.6
JAN. 20	.2	.40	120	78	36	0	125	14.5	80	7.0
FEB. 14	.2	.30	86	59	28	2	97	12.5	50	6.8
MAR. 3	.2	.50	106	93	44	5	163	16.0	50	6.8
APR. 13	.2	.60	164	144	80	0	250	24.0	30	7.1
APR. 28	.2	.70	194	179	110	4	330	23.0	15	7.4
MAY 15	.3	.70	84	73	31	5	128	23.0	50	7.3
JUNE 2	.2	.20	171	142	92	8	257	26.0	20	6.8
JULY 20	.2	.60	299	286	100	7	545	30.0	10	7.3
AUG. 16	.2	.40	245	237	110	6	423	29.5	10	7.3
AUG. 31	.2	.70	246	231	85	0	425	29.0	15	6.8
SEPT. 14	.2	.10	269	251	93	1	452	29.5	30	6.9
SEPT. 21	.3	.07	614	595	120	6	1130	29.5	30	7.4
SEPT. 28	--	--	--	--	--	--	446	26.5	--	--

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
NOV. 4	--	--	--	--	--	--	--	--	--
DEC. 1	4.0	--	--	--	--	--	--	--	--
JAN. 4	3.5	--	--	--	--	--	--	--	--
JAN. 20	8.0	--	--	--	--	--	--	--	--
FEB. 14	8.0	--	--	--	--	--	--	--	--
MAR. 3	7.5	--	--	--	--	--	--	--	--
APR. 13	2.2	--	--	--	--	--	--	--	--
APR. 28	4.0	--	--	--	--	--	--	--	--
MAY 15	3.3	--	--	--	--	--	--	--	--
JUNE 2	2.8	--	--	--	--	--	--	--	--
JULY 20	8.7	--	--	--	--	--	--	--	--
AUG. 16	.6	--	--	--	--	--	--	--	--
AUG. 31	5.0	--	--	--	--	--	--	--	--
SEPT. 14	5.1	--	--	--	--	--	--	--	--
SEPT. 21	2.4	--	--	--	--	--	--	--	--
SEPT. 28	1.0	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	285	432	131	82	254	120	234	296	306	265	485
2	180	318	197	165	96	192	127	201	284	319	247	525
3	175	345	154	167	103	202	118	152	281	331	264	544
4	196	285	99	141	106	165	135	121	298	347	312	564
5	236	290	81	128	116	152	149	157	286	347	274	539
6	219	285	47	120	112	182	205	210	279	261	295	538
7	217	360	49	135	119	174	228	232	294	345	379	545
8	237	455	52	150	144	159	267	211	327	353	308	544
9	223	430	48	139	115	159	258	217	324	358	301	513
10	174	466	67	123	114	126	269	184	348	372	335	484
11	199	485	76	150	109	145	250	200	445	396	436	461
12	259	530	69	166	122	140	281	216	440	414	422	457
13	232	469	71	196	117	140	266	163	475	552	e410	449
14	272	481	68	172	105	207	279	122	434	475	e410	474
15	308	513	77	138	120	200	293	122	394	453	e410	504
16	331	514	73	135	140	135	293	141	381	454	410	525
17	164	533	84	123	219	107	304	151	166	550	376	521
18	104	543	110	124	194	100	318	141	162	626	427	506
19	117	598	106	201	167	102	309	144	171	565	402	548
20	113	624	99	132	151	107	327	132	206	515	350	628
21	123	613	105	100	157	126	339	131	169	464	372	1040
22	128	522	94	113	159	116	352	144	185	309	393	1020
23	131	576	98	118	181	124	371	176	198	247	395	1040
24	170	736	95	118	214	126	372	192	272	262	379	1080
25	160	807	85	120	240	134	366	214	304	288	369	1140
26	168	800	88	121	246	102	345	233	323	413	404	843
27	178	704	90	123	225	110	384	279	304	513	420	647
28	218	611	96	125	213	124	299	278	300	454	384	567
29	250	451	107	145	216	123	171	265	294	383	364	529
30	247	459	150	103	--	115	204	270	339	397	388	311
31	262	--	235	106	--	120	--	271	--	573	429	--

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.2	1.1	1.2	1.4	1.1	1.2	7.7	2.4	5.3	--	--	--
2	1.2	1.1	1.2	1.3	1.2	1.2	10.7	7.0	8.8	--	--	--
3	1.2	1.1	1.2	1.9	1.1	1.4	10.7	8.8	9.9	--	--	--
4	1.5	1.1	1.2	1.7	1.2	1.4	11.1	10.3	10.7	--	--	--
5	3.0	1.1	2.0	1.9	0.9	1.4	11.8	10.2	10.8	--	--	--
6	2.4	1.5	2.0	1.8	1.2	1.4	11.7	10.5	11.2	--	--	--
7	2.1	1.2	1.8	1.5	1.2	1.3	10.4	8.4	9.7	--	--	--
8	2.3	1.1	1.5	1.7	1.3	1.4	8.5	8.0	8.2	6.3	5.1	5.8
9	2.1	1.5	1.7	1.4	1.3	1.3	8.0	7.4	7.7	6.8	6.1	6.5
10	2.9	1.9	2.3	1.6	1.3	1.3	7.4	6.6	7.0	7.7	6.4	6.8
11	2.4	1.6	2.0	1.5	1.2	1.3	6.7	6.2	6.4	7.1	6.2	6.6
12	1.8	1.2	1.4	1.3	1.2	1.3	6.2	5.8	6.1	7.1	6.0	6.5
13	1.8	1.1	1.3	1.4	1.2	1.3	5.8	4.9	5.3	5.8	4.8	5.2
14	1.5	1.2	1.3	1.4	1.2	1.3	4.9	4.8	4.9	5.4	4.8	5.2
15	1.8	1.2	1.3	1.3	1.2	1.3	4.8	4.4	4.6	6.4	5.4	6.0
16	3.8	1.2	1.6	1.3	1.2	1.2	4.4	4.1	4.3	7.3	6.4	7.0
17	5.0	3.7	4.7	1.5	1.2	1.3	4.1	3.6	3.9	7.5	7.1	7.3
18	4.8	3.1	3.9	2.7	1.2	1.8	3.2	2.9	3.1	7.7	7.4	7.5
19	3.7	3.1	3.4	2.0	1.1	1.5	3.2	3.0	3.1	--	--	--
20	3.3	2.8	3.1	1.2	1.0	1.1	4.5	3.1	3.9	--	--	--
21	2.8	2.3	2.6	1.1	1.1	1.1	4.2	3.6	3.8	9.1	6.0	7.6
22	2.5	2.1	2.4	1.4	1.1	1.2	3.5	3.1	3.3	6.7	5.8	6.2
23	2.6	2.2	2.4	1.8	1.2	1.4	3.1	2.8	3.0	5.8	5.0	5.3
24	2.7	2.4	2.5	1.7	1.0	1.3	2.8	2.6	2.7	5.2	4.8	4.9
25	2.5	1.8	2.2	1.3	0.2	1.1	--	--	--	5.3	4.9	5.1
26	1.9	1.2	1.6	1.5	1.1	1.2	--	--	--	5.1	4.8	5.0
27	2.0	1.2	1.5	1.1	1.0	1.1	--	--	--	5.1	4.4	4.8
28	1.9	1.4	1.6	2.7	1.1	1.5	--	--	--	4.9	4.5	4.7
29	1.9	1.2	1.5	3.3	1.2	2.3	--	--	--	6.3	4.6	4.8
30	1.5	1.2	1.3	6.8	3.2	5.2	--	--	--	10.1	6.6	8.5
31	1.4	1.2	1.2	--	--	--	--	--	--	10.8	9.2	10.2
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.7	10.3	10.5	4.7	2.1	3.8	4.9	4.0	4.6	3.0	2.2	2.7
2	10.3	8.9	9.6	7.7	3.2	6.3	4.6	4.1	4.4	4.8	1.8	2.9
3	8.8	8.5	8.7	7.5	5.3	6.8	4.9	4.4	4.6	3.7	1.4	1.9
4	8.4	8.0	8.1	6.9	6.3	6.7	4.5	3.3	4.2	--	--	--
5	8.4	8.1	8.3	6.3	6.1	6.3	4.9	4.4	4.7	--	--	--
6	9.4	8.3	8.7	6.3	5.5	6.1	4.6	3.2	3.9	--	--	--
7	9.2	7.7	8.4	6.5	5.8	6.2	3.8	2.7	3.2	--	--	--
8	9.6	8.3	8.9	7.4	5.7	6.6	3.9	2.9	3.5	--	--	--
9	8.3	6.8	7.7	7.7	6.8	7.3	3.9	1.8	3.1	--	--	--
10	8.4	7.5	8.1	6.8	6.0	6.5	2.5	1.7	2.1	--	--	--
11	8.0	7.9	8.0	6.6	5.6	6.2	2.5	.6	1.6	--	--	--
12	9.7	8.0	8.9	6.1	5.3	5.8	3.0	2.1	2.6	--	--	--
13	10.5	9.8	10.2	5.6	4.5	5.3	4.1	1.6	2.7	--	--	--
14	9.8	7.4	8.5	4.7	4.1	4.5	3.5	2.3	2.9	--	--	--
15	7.7	6.6	7.1	6.4	3.9	4.9	3.8	2.0	2.9	--	--	--
16	8.6	7.4	7.9	7.8	6.0	7.0	3.9	2.2	3.0	3.9	3.3	3.8
17	7.9	7.0	7.5	6.5	1.0	5.5	4.0	2.5	3.4	3.9	3.3	3.6
18	7.1	6.4	6.8	5.4	4.7	5.1	3.2	1.8	2.5	3.8	3.6	3.7
19	7.2	6.9	7.0	4.7	4.3	4.5	3.5	2.1	2.6	3.8	3.5	3.7
20	7.0	6.5	6.8	4.7	4.3	4.5	3.1	2.1	2.6	4.0	3.6	3.8
21	6.6	6.2	6.4	5.9	4.6	5.4	2.7	.8	1.6	3.9	3.5	3.7
22	6.4	5.9	6.2	6.0	4.2	5.0	2.6	.7	1.6	3.5	2.4	3.2
23	6.2	5.7	6.0	4.7	4.2	4.4	2.7	.9	1.8	3.4	2.5	3.1
24	5.7	5.2	5.5	4.4	3.9	4.2	2.3	1.1	1.8	3.3	2.9	3.1
25	5.4	4.7	5.1	6.1	4.4	5.5	3.4	1.9	2.6	3.2	2.9	3.1
26	5.1	4.3	4.7	6.3	5.1	5.8	2.2	.8	1.3	3.5	2.8	3.1
27	4.9	4.1	4.6	5.0	4.5	4.8	2.5	.6	1.8	3.3	2.9	3.1
28	4.3	3.6	3.9	4.5	3.5	4.0	6.0	1.9	4.3	3.7	2.2	3.1
29	3.7	2.0	3.2	4.1	3.3	3.7	5.1	2.3	3.5	3.3	2.5	3.0
30	--	--	--	4.6	4.1	4.3	3.2	2.2	2.9	3.3	1.7	2.8
31	--	--	--	4.6	4.2	4.5	--	--	--	3.4	1.6	2.9

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.3	2.1	2.8	4.3	0.9	2.4	2.8	1.6	2.4	9.1	3.1	5.3
2	3.3	2.7	3.1	5.0	1.1	2.7	2.1	1.3	1.7	9.3	4.4	5.8
3	3.9	3.1	3.4	7.3	2.0	3.9	1.6	.8	1.1	8.4	3.9	5.7
4	3.5	3.0	3.3	3.3	1.1	2.6	1.2	.8	1.0	8.5	3.6	5.8
5	3.6	2.4	3.2	5.2	.8	2.6	1.8	.7	1.0	10.5	3.8	7.0
6	3.1	1.6	2.7	8.3	1.3	4.4	3.1	.7	1.1	8.4	3.8	6.3
7	2.9	1.5	2.3	6.1	2.3	4.3	3.5	.8	1.4	7.6	4.7	6.2
8	2.6	1.0	1.8	5.7	2.8	4.1	2.3	.7	1.1	7.7	4.2	5.3
9	2.4	.9	1.4	5.6	1.5	3.4	1.7	.6	1.0	8.9	3.0	4.9
10	2.4	.5	1.1	5.8	1.6	2.9	2.9	.8	1.6	11.6	1.7	5.2
11	4.6	.5	2.3	--	--	--	3.9	1.6	2.2	15.0	5.3	8.0
12	6.3	1.4	3.0	--	--	--	--	--	--	15.0	6.9	e9.5
13	4.4	3.0	3.5	--	--	--	--	--	--	11.6	5.8	8.6
14	4.5	1.5	2.8	--	--	--	--	--	--	9.2	4.0	6.1
15	2.1	.5	1.4	--	--	--	--	--	--	5.5	3.0	3.8
16	3.9	1.0	2.0	--	--	--	--	--	--	3.3	2.2	2.8
17	3.6	1.8	2.6	--	--	--	3.0	1.0	1.6	3.8	2.0	2.6
18	--	--	--	--	--	--	3.1	1.0	1.5	6.2	2.2	3.0
19	--	--	--	--	--	--	3.2	.9	1.6	10.1	2.0	4.0
20	--	--	--	--	--	--	2.8	.8	1.6	9.2	2.2	4.2
21	2.0	1.1	1.6	4.7	1.7	2.6	2.2	.7	1.2	14.9	2.3	6.5
22	2.1	.9	1.7	7.1	.8	2.5	2.8	.9	1.5	15.0	2.3	6.4
23	2.1	.7	1.3	7.7	1.0	2.8	3.2	.9	1.8	9.1	3.1	6.5
24	3.2	.8	1.7	8.2	.9	3.5	4.3	1.1	2.7	10.6	4.4	7.2
25	4.5	.9	2.1	9.2	.9	4.5	6.1	1.6	3.5	8.4	1.1	4.3
26	5.2	1.1	2.7	7.3	1.9	4.7	9.2	3.1	4.7	2.0	.9	1.3
27	6.6	1.1	3.2	11.2	3.1	6.7	6.1	1.0	3.1	2.8	.8	1.0
28	7.3	1.2	3.6	12.3	3.4	7.5	5.4	1.1	2.4	1.2	.7	.9
29	5.7	1.6	3.3	10.3	4.0	6.1	6.2	1.7	2.8	1.7	.8	1.2
30	4.6	1.5	3.2	4.5	2.8	3.6	6.2	1.5	3.1	2.0	.9	1.4
31	--	--	--	2.7	.9	1.9	11.5	2.1	4.8	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	24.0	14.0	20.0	9.0	19.5	17.5	23.5	28.0	32.5	25.0	29.0
2	26.0	24.5	12.5	19.5	9.5	18.0	18.0	23.5	27.0	32.5	25.5	29.5
3	26.5	24.5	11.0	17.5	10.0	16.0	19.0	23.5	26.5	32.5	26.5	29.5
4	26.0	22.0	10.0	17.0	9.5	15.0	20.0	23.0	27.0	31.5	27.0	30.0
5	25.0	--	11.0	16.0	9.5	16.0	19.5	23.5	27.0	30.5	28.5	30.5
6	25.0	--	13.5	--	11.0	15.5	20.0	22.5	27.5	30.0	29.0	30.0
7	25.0	--	14.0	11.0	13.5	15.5	21.0	21.5	28.0	29.0	29.5	29.5
8	26.0	18.5	15.5	11.0	11.0	17.0	22.0	22.5	28.5	29.0	29.5	29.5
9	25.0	17.5	15.5	--	10.5	17.0	21.5	23.5	29.0	29.5	29.5	29.5
10	24.0	17.5	16.5	--	10.5	16.5	22.0	24.0	29.0	30.0	29.5	29.5
11	22.5	16.5	16.0	--	11.5	16.5	22.5	23.0	29.0	30.0	29.5	29.5
12	22.0	16.5	16.0	16.0	11.5	18.0	23.0	22.5	29.0	29.0	29.5	29.5
13	22.0	17.0	16.5	16.0	12.0	18.5	24.0	22.0	28.5	29.5	e29.5	29.5
14	22.0	17.5	17.0	16.5	12.5	20.0	24.5	22.0	28.5	30.0	e29.5	29.0
15	23.0	18.5	17.5	14.0	12.5	20.5	25.0	23.5	28.0	30.5	e29.5	29.0
16	23.5	19.0	17.5	11.0	14.5	19.5	25.5	23.5	27.0	30.5	29.5	29.0
17	23.5	19.0	18.0	10.0	14.5	19.5	26.0	24.0	25.0	30.0	29.0	29.0
18	23.0	20.0	17.5	10.5	15.0	20.0	25.5	24.5	26.0	30.0	29.5	29.0
19	24.0	20.5	16.0	11.5	14.5	20.0	25.5	25.0	27.0	30.0	29.5	29.0
20	24.0	19.0	16.5	16.0	13.5	19.5	26.5	25.0	28.0	29.5	29.5	29.5
21	23.5	18.0	17.0	16.5	14.0	19.5	27.0	25.5	29.0	28.0	30.0	29.5
22	23.5	17.0	17.5	16.0	15.0	20.0	27.0	26.0	29.0	28.0	30.5	29.5
23	23.5	15.5	17.0	17.0	16.5	20.5	26.5	26.5	29.5	28.5	30.5	29.5
24	23.0	15.5	16.5	17.5	17.0	20.5	27.0	27.5	30.5	29.0	30.0	29.0
25	23.0	14.5	16.5	17.5	18.0	20.5	27.0	28.0	31.0	29.5	29.5	28.0
26	22.5	14.5	16.5	17.0	19.5	19.0	25.5	28.5	31.0	29.5	29.5	26.5
27	22.5	15.0	16.5	16.0	19.5	19.0	25.0	29.0	31.5	29.5	29.5	26.0
28	23.5	15.5	17.0	16.5	19.0	20.5	22.5	29.0	32.0	29.5	29.0	26.0
29	23.5	16.0	18.0	16.5	19.0	22.0	22.0	29.0	32.0	29.5	29.0	26.0
30	23.5	15.0	19.5	14.0	--	19.5	22.5	29.0	32.0	26.5	29.0	26.0
31	24.0	--	20.5	10.5	--	17.5	--	29.0	--	26.0	29.0	--

07386980 VERMILION RIVER AT PERRY, LA.

LOCATION.--Lat 29°57'04", long 92°09'22", Vermilion Parish, at bridge on State Highway 82 at Perry, and 2.0 miles south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: November 1965 to September 1972.

EXTREMES.--1971-72:

Specific conductance: Maximum daily, 6,200 micromhos July 11; minimum daily, 35 micromhos Dec. 7.

Period of record:

Specific conductance (1966-72): Maximum daily, 6,200 micromhos July 11, 1972; minimum daily, 35 micromhos Dec. 7, 1971.

REMARKS.--Conductance recorder with probe 2 ft from stream bottom; daily mean values are reported in the daily conductance table.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
NOV. 9	--	10	160	14	3.9	19	5.1	66	8.6	24
JAN. 31	--	5.5	90	5.6	1.5	5.3	3.3	25	3.8	5.6
MAR. 3	--	5.5	40	7.8	2.1	11	2.6	29	5.0	16
MAR. 29	--	4.3	60	8.6	2.6	10	3.7	40	6.8	13
APR. 28	--	9.1	90	18	8.5	78	5.2	86	19	120
JUNE 20	--	7.2	40	13	3.0	16	3.7	55	6.6	21
JULY 20	--	5.1	20	67	17	340	15	68	76	600
AUG. 31	--	12	60	20	7.8	36	4.0	102	13	50
SEPT. 28	--	17	220	22	7.3	48	6.2	104	18	60

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
NOV. 9	0.1	0.60	130	120	51	0	205	22.5	60	7.1
JAN. 31	.2	.40	82	45	20	0	71	10.5	60	6.6
MAR. 3	.2	.50	80	66	28	4	119	15.0	50	6.5
MAR. 29	.2	.20	90	70	32	0	116	21.0	50	6.6
APR. 28	.2	.40	317	302	80	9	576	22.0	30	7.3
JUNE 20	.2	.10	103	98	45	0	184	28.5	20	7.4
JULY 20	.3	.40	1200	1160	240	180	2200	28.0	20	6.6
AUG. 31	.2	.20	206	194	82	0	354	29.0	30	6.9
SEPT. 28	.3	.50	236	234	85	0	416	27.0	45	7.1

07386980 VERMILION RIVER AT PERRY, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	205	405	260	105	200	135	165	200	800	260	345
2	190	205	320	180	95	170	135	200	215	2,700	420	350
3	185	220	105	160	100	110	140	160	230	3,700	430	345
4		225	140	180	105	180	145	140	235	3,300	305	345
5	190	205	105	165	110	150	150	140	215	3,200	295	330
6	210	210	50	155	125	160	160	140	215	3,400	305	330
7	240	235	35	155	80	155	160	155	210	4,200	310	325
8	210	245	50	160	95	160	165	100	220	4,900	320	320
9	230	235	65	170	145	125	165	130	225	4,800	340	325
10	220	255	75	180	125	150	160	145	220	5,500	360	345
11	220	250	85	155	120	135	160	180	220	6,200	370	325
12	235	250	90	135	115	130	165	120	250	5,200	375	330
13	235	255	95	160	105	145	160	80	380	2,750	480	335
14	225	250	95	175	125	155	170	100	320	1,950	450	345
15	230	255	100	180	100	145	290	120	255	1,950	425	350
16	235	265	105	180	100	125	295	120	260	2,650	360	350
17	245	255	110	185	80	100	215	135	220	3,350	330	360
18	210	250	120	190	160	100	240	150	150	3,300	335	375
19	130	290	140	185	160	90	245	150	170	2,400	340	385
20	155	310	145	175	165	100	270	145	180	2,200	335	400
21	155	320	130	95	150	80	320	150	175	1,850	355	445
22	165	305	130	95	145	90	310	145	185	1,650	355	465
23	180	310	125	120	145	115	295	145	195	1,500	355	420
24	180	390	130	135	150	115	305	150	210	1,350	360	400
25	180	370	135	130	155	125	310	155	210	1,300	355	395
26	190	325	135	130	160	120	380	160	200	1,450	370	440
27	205	375	140	140	165	105	700	160	200	1,600	375	450
28	210	365	145	145	175	105	500	170	210	1,800	360	410
29	195	330	160	145	175	115	120	175	215	1,450	355	420
30	210	370	165	130	---	130	155	185	230	850	350	600
31	205	---	185	80	---	135	---	195	---	320	345	---
AVERAGE	202	278	130	156	129	130	237	147	221	2,696	358	379

08017090 CALCASIEU RIVER AT BURTON LANDING NEAR LAKE CHARLES, LA.
(Formerly published as Calcasieu River near Sulphur)

LOCATION.--Lat 30°06'09", long 93°19'39", NE¼SW¼ sec.18, T.11 S., R.9 W., Calcasieu Parish, mid-channel of river at Burton Landing, 3.3 miles east of State Highway 77, and 9.0 miles south of Sulphur.

DRAINAGE AREA.--3,235 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FF) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	--	7.3	20	260	450	--	--	94	150	7400
NOV. 10	--	7.0	10	240	650	--	--	112	74	9600
DEC. 29	--	8.2	90	55	24	830	38	39	95	1300
JAN. 19	--	7.4	30	55	110	1100	40	38	170	1700
FEB. 15	--	6.7	50	60	120	1100	43	38	200	1900
MAR. 15	--	5.5	30	100	230	1800	100	68	170	3400
APR. 26	--	5.2	20	150	310	2700	110	66	160	4500
MAY 17	--	5.4	50	100	210	1800	65	54	470	3300
JUNE 14	--	1.9	10	280	740	7000	220	113	1100	11000
JULY 11	--	5.7	10	260	660	--	--	96	--	9800
AUG. 16	--	9.7	20	190	470	4000	180	91	250	6900
SEPT. 11	--	8.8	10	250	600	4500	230	100	250	8900

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAP- RONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.7	--	14500	--	2500	2400	21600	26.0	20	7.2
NOV. 10	.8	--	18600	--	3300	3200	27500	18.0	5	7.7
DEC. 29	.2	--	2730	--	240	210	4700	21.0	45	6.6
JAN. 19	.3	--	345	--	580	570	6190	13.0	60	7.1
FEB. 15	.3	--	3750	3500	640	610	6100	13.0	40	7.5
MAR. 15	.5	--	6650	5840	1200	1100	10800	21.5	20	7.1
APR. 26	.6	--	8920	7970	1600	1600	13900	20.0	25	7.5
MAY 17	.4	--	6630	5980	1100	1100	10600	26.0	20	7.3
JUNE 14	1.0	--	21900	20700	3800	3700	32900	30.0	15	7.7
JULY 11	.8	--	19300	--	3400	3300	27700	32.0	10	7.4
AUG. 16	.9	--	12200	12000	2400	2300	20700	31.0	20	6.5
SEPT. 11	.8	--	17600	14800	3100	3000	33700	31.5	15	7.4

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FFCAL COLIFORM (COLONIES PER 100 ML)
OCT. 21	4.3	0.2	92	0.80	0.03	28	--	8	42
NOV. 10	6.3	2.1	99	.70	.07	100	100	4	18
DEC. 29	2.8	--	49	1.4	--	100	1600	34	400
JAN. 19	8.2	3.6	57	.94	--	80	--	130	--
FEB. 15	7.6	3.3	26	.70	--	130	4200	300	--
MAR. 15	5.9	4.0	77	.00	--	146	1700	6	60
APR. 26	7.7	4.5	--	1.0	--	290	100	48	18
MAY 17	5.8	5.3	66	--	--	190	450	140	--
JUNE 14	3.6	3.5	169	.00	--	300	--	76	--
JULY 11	6.1	6.1	--	.00	--	180	--	20	--
AUG. 16	2.9	2.8	78	.00	--	1300	1300	94	--
SEPT. 11	3.3	3.3	--	.00	--	336	--	1100	--

08028000 BAYOU ANACOCO NEAR ROSEPINE, 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, at gaging station at bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 miles northwest of Rosepine.

DRAINAGE AREA.--365 sq mi.

PERIOD OF RECORD.--Chemical analyses: Water years 1952-53, 1960, 1966-70 (partial-record station), October 1970 to September 1972.

EXTREMES.--1971-72:

Specific conductance: Maximum daily, 125 micromhos Oct. 12; minimum daily, 19 micromhos Apr. 30.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FF) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
JUNE 14	74	13	160	7.3	0.9	7.5	1.6	29	3.6	6.9
SEPT. 14	14	7.2	50	7.5	1.0	6.5	1.8	32	2.8	6.2

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- CORAL) (UNITS)	PH (UNITS)
JUNE 14	0.2	0.02	72	88	22	0	83	27.0	40	7.4
SEPT. 14	.0	--	53	49	23	0	87	--	25	6.3

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FFCAL COLIFORM (COLONIES PER 100 ML)
JUNE 14	6.8	3.5	40	--	--	--	3800	1600	310
SEPT. 14	--	--	--	--	--	--	--	--	--

DATE	TYPE	TIME	ALDRIN (UG/L) 39330	DDD (UG/L) 39360	DDE (UG/L) 39365	DDT (UG/L) 39370	DI- ELDRIN (UG/L) 39380	ENDRIN (UG/L) 39390	HEPTA- CHLOR (UG/L) 39410	HEPTA- CHLOR EPOXIDE (UG/L) 39420	LINDANE (UG/L) 39340
SEPT. 14...	4	1215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			DI- CHLOR- DANE (UG/L) 39350	DI- AZINON (UG/L) 39570	METHYL PARA- THION (UG/L) 39530	METHYL PARA- THION (UG/L) 39540	2,4-D (UG/L) 39730	SILVEX (UG/L) 39760	2,4,5-T (UG/L) 39740	TOTAL ORGANIC CARBON (C) (MG/L) 00680	
			0.00	0.00	0.00	0.00	0.09	0.00	0.06	5.5	

08028000 BAYOU ANACOCO NEAR ROSEFINE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	119	70	53	30	32	38	21	59	52	31	43
2	65	119	85	53	30	32	40	23	58	53	30	40
3	67	118	96	45	31	31	39	23	59	46	30	41
4	70	118	170	45	31	31	39	22	59	48	30	40
5	71	119	88	44	30	32	38	21	58	50	30	40
6	70	118	41	46	31	31	39	27	56	49	30	40
7	66	120	41	43	32	31	40	35	37	50	29	59
8	67	95	42	44	31	31	38	44	36	51	31	40
9	67	99	42	43	30	31	39	41	36	48	32	41
10	70	120	42	42	30	30	46	42	28	73	31	71
11	94	120	44	42	31	30	46	45	27	50	32	35
12	125	120	54	41	30	34	52	45	28	48	31	36
13	119	69	42	41	30	27	37	45	26	47	31	34
14	119	112	43	41	32	25	51	44	27	45	58	65
15	112	89	40	43	31	30	37	45	26	46	30	36
16	120	90	41	40	31	25	46	48	26	45	31	58
17	122	88	41	35	30	26	36	49	26	41	30	35
18	120	88	40	36	31	25	36	49	27	42	30	46
19	122	105	41	37	30	26	36	50	52	36	31	37
20	122	93	40	37	30	25	30	46	52	35	30	36
21	123	94	41	38	29	30	37	47	53	48	39	35
22	122	83	41	38	29	26	30	54	54	32	38	35
23	122	91	108	38	32	25	30	56	53	31	38	35
24	123	90	65	36	30	26	23	55	55	31	41	34
25	118	93	49	36	30	26	20	60	54	31	40	34
26	118	90	45	38	31	25	21	60	53	31	40	34
27	119	90	47	35	31	53	20	63	53	31	39	34
28	119	92	47	35	32	38	21	60	54	30	45	77
29	120	77	47	35	32	38	20	58	53	30	40	36
30	119	81	45	36	--	38	19	57	53	30	40	36
31	119	--	193	31	--	52	--	58	--	31	41	--
AVERAGE	102	100	60	40	31	31	35	45	45	42	35	42

COLOR (PLATINUM-COBALT UNITS), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	20	50	60	100	80	50	80	20	20		
2	40	20	60	40	60	80	30	80	20	30		
3	40	20	50	60	80	100	40	70	20	10		
4	15	20	40	100	60	100	40	80	30	10		
5	15	25	50	70	80	80	30	70	20	10		
6	10	20	70	70	80	100	40	80	30	10		
7	30	20	60	90	80	60	40	80	40	10		
8	20	20	70	50	60	100	40	40	40	10		
9	20	20	70	50	80	100	40	40	50	10		
10	25	20	70	50	40	80	40	30	40	--		
11	35	25	60	70	60	100	40	35	60	--		
12	50	20	50	70	60	60	30	40	20	--		
13	50	15	70	70	40	40	40	30	20	--		
14	45	25	70	100	40	40	40	30	30	--		
15	55	70	70	80	60	60	40	30	20	--		
16	55	50	90	60	40	80	30	30	30	--		
17	55	60	70	80	40	40	50	40	30	--		
18	30	50	90	80	60	60	40	35	30	--		
19	35	70	80	100	60	60	50	40	30	--		
20	30	70	80	60	60	40	50	40	40	--		
21	40	70	70	100	40	60	50	35	30	--		
22	30	60	70	80	60	40	50	30	40	--		
23	30	55	70	100	40	40	50	40	40	--		
24	35	50	70	80	60	40	50	40	40	--		
25	20	50	60	80	40	40	60	45	30	--		
26	25	40	60	100	60	60	50	40	20	--		
27	15	35	70	80	20	40	60	30	20	--		
28	25	50	60	100	80	40	70	35	30	--		
29	20	60	40	100	100	50	60	20	30	--		
30	20	50	40	100	--	40	70	30	20	--		
31	15	--	40	80	--	60	--	20	--	--		

08028200 BAYOU ANACOCO NEAR KNIGHT, LA.

LOCATION.--Lat 30°52'14", long 93°30'38", in SE¼ sec.20, T.2 S., R.11 W., on line between Beauregard and Vernon Parishes, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 miles southwest of Knight, and 5.2 miles upstream from mouth.

DRAINAGE AREA.--425 sq mi.

PERIOD OF RECORD.--Chemical analyses: November 1969 to September 1972.

Water temperatures: December 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 22	93	16	--	11	3.0	81	3.2	81	96	33
NOV. 10	76	19	--	14	1.7	120	3.5	94	140	58
DEC. 29	335	12	120	5.0	.9	9.0	1.5	21	12	6.2
JAN. 19	485	12	130	4.2	1.1	8.4	1.2	24	7.9	5.9
FEB. 15	550	9.7	180	5.3	1.2	20	1.7	32	22	11
MAR. 15	369	12	200	7.2	1.0	37	1.9	36	42	21
APR. 26	139	18	--	12	1.2	66	3.2	62	81	30
MAY 17	258	13	220	8.2	.6	42	2.3	45	52	18
JUNE 14	71	18	--	13	1.3	100	3.8	95	120	45
JULY 12	786	9.1	240	8.7	.3	55	2.8	54	57	26
AUG. 16	174	18	200	11	.6	57	3.1	51	72	31
SEPT. 14	71	20	--	8.5	3.8	78	3.6	72	84	41

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 22	0.3	0.10	360	284	40	0	467	22.5	160	6.9
NOV. 10	.4	.20	480	403	42	0	680	15.0	200	6.6
DEC. 29	.1	.10	108	58	16	0	79	18.0	40	6.5
JAN. 19	.1	.10	86	53	15	0	66	10.5	40	6.7
FEB. 15	.2	.10	123	88	18	0	134	13.0	70	6.8
MAR. 15	.2	.20	183	141	22	0	228	19.5	80	6.5
APR. 26	.3	.30	285	244	35	0	377	19.0	160	7.1
MAY 17	.1	.30	192	160	23	0	251	24.0	80	7.4
JUNE 14	.4	--	390	348	38	0	559	27.5	400	7.8
JULY 12	.2	.40	226	188	23	0	314	27.0	--	7.4
AUG. 16	.2	.30	220	219	30	0	331	26.0	100	6.7
SEPT. 14	.2	.36	303	276	37	0	458	25.0	80	6.8

DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)
OCT. 22	7.2	3.4	73	--	--	--	7600	1800	64
NOV. 10	8.2	4.1	27	--	--	--	--	210	--
DEC. 29	8.6	1.6	--	--	--	--	1400	100	70
JAN. 19	10.0	2.2	36	--	--	--	11000	100	180
FEB. 15	9.1	2.1	34	--	--	--	--	--	--
MAR. 15	8.0	3.3	36	--	--	--	--	--	--
APR. 26	8.3	1.0	49	--	--	--	--	--	--
MAY 17	5.3	2.5	39	--	--	--	900	24	--
JUNE 14	5.5	2.2	80	--	--	--	1200	240	100
JULY 12	5.7	4.9	74	--	--	--	3600	320	490
AUG. 16	7.0	3.6	44	--	--	--	4400	110	1900
SEPT. 14	6.8	--	--	0.00	--	--	--	200	250

08028200 BAYOU ANACOCO NEAR KNIGHT, LA.--Continued

SPECIFIC CONDUCTANCE (MICROHMOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	530	645	63	--	64	209	202	214	360	337	262	522
2	492	662	80	64	74	193	201	310	398	338	168	548
3	--	673	97	44	75	220	--	224	527	331	168	--
4	533	666	120	57	114	220	251	185	352	420	408	432
5	160	686	82	47	116	--	273	193	464	75	271	427
6	243	691	71	42	115	220	346	281	621	226	380	--
7	245	685	54	40	115	211	249	253	252	323	84	--
8	540	--	--	46	117	137	318	--	612	416	133	--
9	332	581	53	50	128	--	242	--	530	--	400	524
10	536	657	53	51	134	--	275	--	--	--	298	525
11	406	483	52	66	131	127	179	--	--	--	268	517
12	451	659	50	46	119	121	--	--	--	--	113	377
13	--	566	52	55	203	241	--	--	--	351	263	455
14	--	554	82	55	189	--	--	--	--	321	115	524
15	--	558	67	52	143	228	--	--	149	197	352	547
16	418	561	57	105	145	234	--	256	237	275	375	411
17	490	504	56	107	255	110	241	277	139	251	241	717
18	--	480	51	94	255	201	248	264	67	333	329	647
19	532	254	52	92	212	75	256	364	69	338	335	518
20	422	476	57	71	920	--	282	366	--	230	291	511
21	278	248	68	42	121	--	283	286	--	169	198	514
22	467	481	55	47	121	--	398	424	--	--	244	547
23	574	497	76	--	85	--	341	425	--	--	285	533
24	572	502	73	--	173	--	390	310	--	--	114	530
25	596	498	75	--	167	--	436	413	88	--	307	602
26	619	560	58	--	126	180	377	524	73	--	--	456
27	487	570	57	--	--	112	--	480	77	--	--	473
28	642	470	73	--	--	140	360	471	71	--	--	320
29	616	830	58	--	--	186	351	327	76	--	--	369
30	620	620	43	--	--	113	328	410	--	--	--	382
31	--	--	42	--	--	136	--	412	--	133	381	--

COLOR (PLATINUM-COBALT UNITS), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	120	50	--	60	80	60	80	120	40		
2	120	140	60	100	20	40	60	100	160	40		
3	--	160	60	100	40	80	--	100	120	80		
4	140	120	60	120	60	60	70	80	100	120		
5	120	160	100	100	40	--	80	90	90	20		
6	40	120	55	80	40	60	120	100	160	20		
7	80	120	60	100	80	60	80	90	120	80		
8	100	--	--	70	40	40	140	--	200	100		
9	100	160	60	180	60	--	80	--	120	--		
10	140	120	60	140	80	--	100	--	--	--		
11	140	100	40	60	100	20	80	--	--	--		
12	120	160	40	100	60	20	--	--	--	--		
13	--	100	100	100	100	60	--	--	--	--		
14	--	120	40	80	80	20	--	--	--	--		
15	--	100	50	140	100	20	--	--	40	--		
16	140	160	100	100	80	20	--	80	60	--		
17	100	160	70	100	100	20	120	80	60	--		
18	100	120	60	80	100	40	100	70	30	--		
19	140	160	30	100	100	40	100	100	20	--		
20	140	180	80	70	40	--	120	80	--	--		
21	100	100	40	60	40	--	100	100	--	--		
22	100	120	40	90	40	--	180	120	--	--		
23	100	120	45	--	60	--	140	90	--	--		
24	120	120	55	--	80	--	80	120	--	--		
25	100	100	40	--	40	--	100	100	20	--		
26	100	60	100	--	40	60	60	120	20	--		
27	150	20	100	--	--	40	40	150	20	--		
28	170	100	60	--	--	40	100	120	30	--		
29	120	40	100	--	--	60	100	80	20	--		
30	100	20	80	--	--	60	80	110	--	--		
31	--	--	30	--	--	40	--	80	--	--		

08028500 SABINE RIVER NEAR BON WIER, TEX.

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, La.-Newton County, Tex. State line, at gaging station at bridge on U.S. Highway 190, 0.7 mile upstream from Quicksand Creek, 0.8 mile upstream from Gulf, Colorado and Santa Fe Railway Co. bridge, 2.0 miles east of Bon Wier, and 2.4 miles upstream from Caney Creek.

DRAINAGE AREA.--8,229 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1972.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	IRON (FE) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 21	--	14	160	10	1.5	29	2.7	49	26	22
NOV. 10	--	15	--	12	2.9	39	2.9	64	39	28
DEC. 29	--	4.3	20	12	2.9	22	3.2	52	8.2	28
JAN. 19	--	3.2	0	12	3.9	22	3.6	54	5.8	29
FEB. 15	--	5.2	50	13	2.1	22	3.1	50	12	28
MAR. 15	--	14	--	8.2	2.3	21	2.0	36	20	19
APR. 26	--	3.7	20	14	3.2	25	2.0	51	14	33
MAY 16	--	4.0	50	12	3.4	22	3.1	48	16	32
JUNE 14	--	3.3	20	13	3.3	24	3.4	50	11	34
JULY 12	--	11	140	8.0	1.9	30	2.5	42	29	26
AUG. 15	--	10	30	11	3.8	22	3.5	53	11	28
SEPT. 11	--	3.4	20	14	2.9	27	4.0	50	16	35

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
OCT. 21	0.1	0.02	152	129	31	0	214	23.5	70	6.6
NOV. 10	.1	.10	173	171	42	0	292	16.0	30	7.5
DEC. 29	.1	.10	113	107	42	0	198	16.0	15	7.3
JAN. 19	.2	.09	108	107	40	0	210	12.0	20	6.6
FEB. 15	.2	.10	134	111	41	0	200	13.0	30	7.6
MAR. 15	.1	.10	129	105	28	0	156	20.0	60	6.6
APR. 26	.2	.10	142	121	48	6	220	19.5	15	7.2
MAY 16	.2	.10	128	117	44	5	223	25.0	10	7.2
JUNE 14	.2	.02	127	117	40	5	231	28.0	15	7.8
JULY 12	.1	.20	139	124	28	0	204	27.5	60	7.3
AUG. 15	.2	.05	114	110	43	0	205	27.0	5	6.6
SEPT. 11	.2	.00	150	128	47	6	236	29.0	10	7.2

DATE	DISSOLVED OXYGEN (DO) (MG/L)	RIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO ₄) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAI COLIFORM (COLONIES PER 100 ML)
OCT. 21	7.5	0.8	20	--	0.05	34	--	--	--
NOV. 10	8.6	1.2	27	--	.05	26	--	--	--
DEC. 29	8.8	1.5	15	--	--	69	--	--	--
JAN. 19	9.6	.7	29	--	--	60	--	--	--
FEB. 15	9.8	1.5	9	--	--	46	--	--	--
MAR. 15	7.9	3.3	31	--	--	--	--	--	--
APR. 26	8.4	1.5	29	--	--	36	--	--	--
MAY 16	7.3	1.7	9	--	--	88	--	--	--
JUNE 14	7.5	2.0	27	--	--	21	--	--	--
JULY 12	6.2	2.0	34	--	--	50	--	--	--
AUG. 15	6.7	1.9	16	--	--	--	--	--	--
SEPT. 11	6.7	.7	--	--	--	13	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS)	DISSOLVED SILICA (SiO2) (MG/L)	IRON (FF) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	DISS. SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
RED RIVER BASIN										
07349450 RODCAU BAYOU NEAR SPRINGHILL, LA. (LAT 32 54 18 LONG 093 28 55)										
DEC. 1	260	8.6	40	9.2	2.9	26	2.2	26	5.6	47
JAN. 24	320	4.6	120	12	1.5	16	2.4	34	6.6	29
FEB. 29	320	2.0	20	5.8	2.1	17	2.4	12	7.6	32
APR. 20	130	5.3	40	7.5	2.2	20	2.5	12	6.4	40
MAY 16	120	5.4	30	7.5	2.5	21	3.3	11	7.0	42
JUNE 20	110	4.3	20	8.7	2.5	26	2.8	20	6.2	50
AUG. 1	20	8.5	10	10	3.2	26	2.0	23	6.8	49
SEPT. 7	110	9.4	10	11	2.1	29	2.1	23	5.2	56
07365000 BAYOU D'ARBONNE NEAR DUBACH, LA. (LAT 32 40 50 LONG 099 23 91)										
NOV. 30	4.1	11	120	6.0	2.0	18	3.4	32	8.6	21
APR. 6	56	11	60	5.3	1.7	9.8	2.4	14	8.0	16
JULY 31	100	8.8	20	11	1.1	23	2.3	36	5.4	34
07367700 BOEUF RIVER NEAR ARK.-LA. STATE LINE (LAT 32 58 25 LONG 091 26 25)										
OCT. 21	40	23	0	110	38	90	3.5	454	60	140
NOV. 17	34	13	0	80	27	70	2.1	316	50	110
JAN. 19	168	6.3	20	18	5.6	11	4.7	78	13	13
FEB. 16	89	9.1	30	26	8.5	19	3.3	98	20	28
APR. 5	318	6.0	20	12	3.9	9.4	3.2	45	11	12
MAY 10	53	9.7	20	30	9.7	23	3.7	108	26	34
JUNE 14	77	9.0	10	53	27	60	5.6	210	40	110
JULY 26	27	11	0	37	9.1	24	2.6	132	23	37
SEPT. 7	126	11	0	36	12	27	4.7	152	16	43
07368000 BOEUF RIVER NEAR GIRARD, LA. (LAT 32 28 50 LONG 091 47 55)										
NOV. 10	18	18	70	76	24	47	2.8	270	35	81
JAN. 19	120	8.5	--	13	3.8	6.0	4.2	57	8.1	5.4
MAR. 2	545	5.6	30	13	4.3	5.9	4.5	56	8.4	7.6
MAY 18	17	13	40	29	7.9	12	2.7	115	17	16
JULY 11	95	10	90	16	2.0	7.0	3.3	54	7.0	9.8
SEPT. 12	37	38	120	43	15	30	4.0	189	17	46
07370000 BAYOU MACON NEAR DELHI, LA. (LAT 32 27 25 LONG 091 28 30)										
NOV. 10	129	15	0	60	22	32	2.5	293	28	37
JAN. 19	1180	4.7	--	28	8.5	12	3.5	121	14	15
MAR. 2	1490	6.6	10	30	10	13	3.3	138	16	13
MAY 18	304	9.4	50	26	7.6	12	3.7	103	19	11
JULY 11	568	6.9	90	30	8.5	15	3.3	129	16	17
SEPT. 12	266	17	20	51	17	29	2.8	233	22	33
DATE	DISSOLVED OXYGEN (DO) (MG/L)	BIO- CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	CHEMICAL OXYGEN DEMAND (COD) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	SUSPENDED SOLIDS (MG/L)	COLIFORM (COLONIES PER 100 ML)	STREP- TOCOCCI (COLONIES PER 100 ML)	FECAL COLIFORM (COLONIES PER 100 ML)	
07368000 BOEUF RIVER NEAR GIRARD, LA. (LAT 32 28 50 LONG 091 47 55)										
NOV. 10	9.0	--	--	--	--	--	--	--	--	--
JAN. 19	9.4	2.6	--	--	--	--	--	--	--	--
MAR. 2	8.6	5.3	47	--	--	--	--	--	--	--
MAY 18	5.4	1.6	7	--	--	--	--	--	--	--
JULY 11	--	--	--	--	--	--	--	--	--	--
SEPT. 12	8.8	1.4	--	--	--	--	--	--	--	--
07370000 BAYOU MACON NEAR DELHI, LA. (LAT 32 27 25 LONG 091 28 30)										
NOV. 10	9.3	--	--	--	--	--	--	--	--	--
JAN. 19	11.0	3.1	26	--	--	--	--	--	--	--
MAR. 2	9.3	4.0	55	--	--	--	--	--	--	--
MAY 18	5.2	1.5	5	--	--	--	--	--	--	--
JULY 11	--	--	--	--	--	--	--	--	--	--
SEPT. 12	9.5	3.2	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAP- PONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEMP- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
RED RIVER BASIN--CONTINUED										
07349450 RODCAU BAYOU NEAR SPRINGHILL, LA. (LAT 32 54 18 LONG 093 28 55)										
DEC. 1	0.0	0.20	152	116	35	14	216	9.0	15	6.4
JAN. 24	.1	.10	95	90	36	8	159	14.5	50	6.7
FEB. 29	.1	.09	102	75	23	13	141	16.0	30	6.3
APR. 20	.1	.10	121	90	28	18	175	22.0	20	5.6
MAY 16	.1	.10	125	94	29	20	186	22.0	20	6.0
JUNE 20	.0	.05	133	111	32	16	216	27.0	10	6.2
AUG. 1	.1	.05	150	117	38	19	230	29.0	10	6.9
SEPT. 7	.1	.05	160	126	36	17	238	25.0	10	6.2
07365000 BAYOU D'ARBONNE NEAR DURACH, LA. (LAT 32 40 50 LONG 089 23 91)										
NOV. 30	0.1	0.00	88	86	23	0	139	8.0	20	6.6
APR. 6	.1	.02	76	61	20	9	99	16.0	10	6.8
JULY 31	.1	.09	111	104	32	2	196	25.0	10	7.0
07367700 BOEUF RIVER NEAR ARK.-LA. STATE LINE (LAT 32 58 25 LONG 091 26 25)										
OCT. 21	0.2	0.10	708	689	430	57	1160	23.0	5	7.8
NOV. 17	.4	.02	519	512	310	53	884	12.0	5	8.1
JAN. 19	.1	.10	123	110	68	4	188	11.0	40	6.8
FEB. 16	.2	.80	177	166	100	20	288	10.0	20	7.3
APR. 5	.2	.70	97	83	46	9	141	18.0	20	6.9
MAY 10	.3	.40	210	191	120	26	343	20.0	20	6.9
JUNE 14	.3	.10	474	408	240	71	759	28.0	0	7.5
JULY 26	.2	.05	220	209	130	22	385	25.0	10	7.4
SEPT. 7	.2	.20	245	226	140	15	440	29.0	20	7.2
07368000 BAYOU BOEUF NEAR GIRARD, LA. (LAT 32 28 50 LONG 091 47 55)										
NOV. 10	0.3	0.05	482	435	290	36	763	14.0	10	8.8
JAN. 19	.3	.20	180	78	48	1	122	11.0	70	6.8
MAR. 2	.2	.30	90	79	50	4	132	13.0	50	7.3
MAY 18	.2	.50	167	157	100	11	279	23.0	5	7.6
JULY 11	.2	.50	--	84	48	4	137	27.5	--	6.5
SEPT. 12	.2	.00	303	286	170	16	471	30.0	20	8.0
07370000 BAYOU MACON NEAR DELHI, LA. (LAT 32 27 25 LONG 091 28 30)										
NOV. 10	0.3	0.10	350	341	240	0	573	16.0	5	7.8
JAN. 19	.2	.20	192	147	100	6	256	9.5	50	7.6
MAR. 2	.2	.30	171	162	120	3	282	14.5	40	7.8
MAY 18	.2	1.0	158	145	96	12	250	24.0	20	7.4
JULY 11	.2	.20	168	162	110	4	298	29.0	15	6.9
SEPT. 12	.3	.00	306	287	200	7	508	30.0	10	8.0

MISSISSIPPI RIVER DELTA07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA. (LAT 30 27 20 LONG 090 59 25)

07385500 HAYOU TECHE AT ARNAUDVILLE, LA (LAT 30 23 50 LONG 091 55 50)

07375500 TANGIPAHOA RIVER AT ROBERT, LA. (LAT 30 30 23 LONG 090 21 42)[illegible]

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	FLUORIDE (F) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CON- STITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CAR- BONATE HARDNESS (MG/L)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	TEM- PERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	PH (UNITS)
RED RIVER BASIN--CONTINUED										
07373267	BLACK RIVER AT JONESVILLE, LA.					(LAT 31 37 25 LONG 091 48 45)				
NOV. 30	0.1	1.7	446	411	120	48	778	14.0	30	7.2
JAN. 27	.1	.20	97	73	22	5	120	12.0	50	6.9
MAR. 14	.1	.30	120	96	32	7	165	16.0	70	6.7
APR. 18	.2	.40	141	112	42	13	195	21.0	90	6.7
MAY 16	.2	.40	178	151	58	23	292	23.5	40	6.6
JUNE 28	.2	.20	234	217	120	14	403	26.0	20	7.1
AUG. 7	.4	.30	217	200	66	16	376	31.0	30	6.7
AUG. 31	.2	.20	236	221	68	17	419	29.5	20	7.0

MISSISSIPPI RIVER DELTA--CONTINUED

07375500	TANGIPAHOA RIVER AT ROBERT, LA.					(LAT 30 30 23 LONG 090 21 42)				
JAN. 18	0.1	0.10	82	50	18	3	53	9.5	30	6.3
MAR. 15	.0	.10	46	36	10	0	46	19.5	20	6.7
MAY 25	.0	5.0	44	36	10	0	47	25.5	20	6.8
JULY 17	.0	.07	43	34	7	0	45	--	20	6.1
SEPT. 27	.0	--	44	42	11	0	56	--	30	6.2
07378500	AMITE RIVER NEAR DENHAM SPRINGS, LA.					(LAT 30 27 20 LONG 090 59 25)				
OCT. 4	0.0	0.10	52	39	11	0	56	26.0	10	6.2
JULY 26	.0	.09	59	52	12	0	68	30.0	10	6.3
AUG. 1	.1	.07	46	44	10	0	57	28.0	20	6.3
SEPT. 21	.0	.00	37	42	8	0	53	27.5	30	6.8
07385500	BAYOU TECHÉ AT ARNAUDVILLE, LA					(LAT 30 23 50 LONG 091 55 50)				
OCT. 12	0.2	0.09	65	58	34	0	93	18.0	40	6.5
NOV. 30	.1	.05	122	97	51	1	171	13.0	50	7.0
JAN. 11	.1	.20	108	67	40	0	107	14.0	100	6.8
FEB. 23	.0	.10	93	68	40	1	110	14.0	80	7.5
MAR. 27	.2	.20	99	52	30	0	86	19.0	150	6.8
JULY 27	.1	.20	178	178	110	1	305	31.0	10	7.0
AUG. 18	.2	.10	122	102	60	0	177	--	30	6.7

SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

CONCENTRATIONS (mg/l)

DATE OF COLLECTION	CONCENTRATION	DATE OF COLLECTION	CONCENTRATION
RED RIVER BASIN			
07373000 BIG CREEK AT POLLOCK			
MAR. 20, 1972.....	16	JULY 18.....	9
MAY 23.....	6	AUG. 25.....	82
JUNE 8.....	14	SEPT. 21.....	12
MISSISSIPPI RIVER DELTA			
07380400 BAYOU LAFOURCHE AT FOOTBRIDGE AT DONALDSONVILLE			
DEC. 15, 1971.....	229	FEB. 16.....	142
JAN. 11, 1972.....	242		
07380400 BAYOU LAFOURCHE AT CULVERT AT DONALDSONVILLE			
DEC. 15, 1971.....	189	MAY 23.....	254
JAN. 11, 1972.....	224	JULY 7.....	184
FEB. 16.....	120	AUG. 10.....	156
APR. 4.....	192	SEPT. 21.....	36
07380450 BAYOU LAFOURCHE AT BELLE ROSE			
DEC. 15, 1971.....	107	MAY 23.....	164
JAN. 11, 1972.....	150	JULY 7.....	110
FEB. 16.....	75	AUG. 10.....	72
APR. 4.....	117	SEPT. 21.....	48
07380500 BAYOU LAFOURCHE AT NAPOLEONVILLE			
DEC. 15, 1971.....	81	MAY 23.....	87
JAN. 11, 1972.....	111	JULY 7.....	45
FEB. 16.....	104	AUG. 10.....	40
APR. 4.....	102	SEPT. 21.....	40
07380800 BAYOU LAFOURCHE AT LABADIEVILLE			
DEC. 15, 1971.....	85	MAY 23.....	96
JAN. 11, 1972.....	95	JULY 7.....	75
FEB. 16.....	623	AUG. 10.....	48
APR. 4.....	118	SEPT. 21.....	46
07381000 BAYOU LAFOURCHE ABOVE WIER AT THIBODAU			
DEC. 15, 1971.....	120	MAY 23.....	75
JAN. 11, 1972.....	79	JULY 7.....	186
FEB. 16.....	183	AUG. 10.....	37
APR. 4.....	49	SEPT. 21.....	48
07381000 BAYOU LAFOURCHE BELOW WIER AT THIBODAU			
DEC. 15, 1971.....	115	MAY 23.....	73
JAN. 11, 1972.....	77	JULY 7.....	171
FEB. 16.....	174	AUG. 10.....	43
APR. 4.....	43	SEPT. 21.....	48

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA

OCT. 8, 1971.....	24.0	JUNE 21.....	28.5
MAR. 28, 1972.....	15.5	AUG. 17.....	26.5
MAY 16.....	23.5	SEPT. 19.....	28.0

02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA

OCT. 7, 1971.....	22.0	JUNE 21.....	25.5
NOV. 23.....	8.5	AUG. 10.....	26.5
MAY 22, 1972.....	21.0	SEPT. 25.....	24.5

02492000 BOGUE CHITTO NEAR BUSH

OCT. 7, 1971.....	23.0	JUNE 22.....	28.0
MAR. 27, 1972.....	15.0	SEPT 18.....	29.0
MAY 17.....	22.5		

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON

JUNE 9, 1972.....	27.0	AUG. 17.....	25.0
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07344450 PAW PAW BAYOU NEAR GREENWOOD

DEC. 15, 1971.....	14.0	MAY 15.....	23.5
JAN. 6, 1972.....	6.0	JUNE 15.....	24.0
MAR. 1.....	16.0	JUNE 21.....	25.0
APR. 13.....	24.0	SEPT. 5.....	28.0

07348000 TWELVEMILE BAYOU NEAR DIXIE

OCT. 20, 1971.....	22.5	MAR. 1.....	17.0
NOV. 11.....	13.0	APR. 13.....	23.0
NOV. 22.....	14.0	APR. 20.....	24.0
DEC. 1.....	10.0	MAY 2.....	20.0
DEC. 8.....	10.0	MAY 15.....	26.0
DEC. 15.....	14.0	JUNE 1.....	24.0
DEC. 16.....	14.0	JUNE 15.....	27.0
JAN. 7, 1972.....	8.0	AUG. 2.....	29.5
JAN. 21.....	11.5	SEPT. 6.....	25.5
JAN. 25.....	12.0	SEPT. 28.....	27.0

07348700 BAYOU DORCHEAT NEAR SPRINGHILL

NOV. 3, 1971.....	16.0	JUNE 20.....	27.0
DEC. 1.....	9.0	AUG. 1.....	30.0
JAN. 24, 1972.....	16.0	SEPT. 7.....	24.5
FEB. 29.....	15.0	SEPT. 28.....	24.0
MAY 18.....	20.0		

07348800 FLAT LICK BAYOU NEAR LETON

DEC. 2, 1971.....	7.5	MAY 18.....	22.0
JAN. 6, 1972.....	10.0	AUG. 1.....	29.0
FEB. 29.....	15.0	SEPT. 29.....	29.0
APR. 12.....	17.5		

07349000 BAYOU DORCHEAT NEAR MINDEN

OCT. 7, 1971.....	26.0	JUNE 2.....	29.0
OCT. 14.....	27.0	JUNE 12.....	26.0
NOV. 10.....	14.0	JUNE 16.....	25.0
NOV. 22.....	19.0	JULY 11.....	26.0
DEC. 8.....	9.5	SEPT. 7.....	25.0
JAN. 17, 1972.....	5.0	SEPT. 28.....	24.5
May 22.....	23.0		

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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RED RIVER BASIN--Continued

07349500 BODCAU BAYOU NEAR SAREPTA

NOV. 3, 1971.....	16.0	MAY 16.....	25.5
DEC. 1.....	11.0	JUNE 16.....	24.0
DEC. 15.....	17.0	AUG. 3.....	28.0
JAN. 20, 1972.....	9.5	AUG. 28.....	28.5
MAR. 2.....	8.0	SEPT. 29.....	24.0
APR. 21.....	22.0		

07349800 CYPRESS BAYOU NEAR BENTON

NOV. 3, 1971.....	15.0	MAR. 2.....	13.0
DEC. 2.....	8.0	MAY 17.....	20.0
JAN. 20, 1972.....	9.5	AUG. 3.....	26.0

07351000 BOGGY BAYOU NEAR KEITHVILLE

DEC. 16, 1971.....	15.0	MAY 15.....	23.5
JAN. 7, 1972.....	8.0	JUNE 15.....	27.0
MAR. 1.....	21.5	SEPT. 5.....	28.0
APR. 13.....	22.5	SEPT. 29.....	23.0

07352000 SALINE BAYOU NEAR LUCKY

OCT. 8, 1971.....	27.0	MAR. 27.....	18.0
OCT. 26.....	23.0	APR. 24.....	21.5
NOV. 15.....	19.0	MAY 24.....	27.0
NOV. 23.....	15.0	JUNE 14.....	22.0
DEC. 16.....	14.0	JUNE 26.....	27.0
JAN. 3, 1972.....	11.0	AUG. 24.....	27.0
JAN. 5.....	6.0	SEPT. 25.....	28.5
MAR. 6.....	16.5		

07353000 SALINE BAYOU NEAR CLARENCE

OCT. 20, 1971.....	26.0	MAY 16.....	19.0
DEC. 1.....	12.0	AUG. 25.....	27.0
MAR. 31, 1972.....	16.5	SEPT. 28.....	28.0

07354000 LITTLE SANDY CREEK AT KISATCHIE

OCT. 8, 1971.....	17.0	MAY 9.....	26.0
NOV. 17.....	20.0	JUNE 23.....	26.0
JAN. 7, 1972.....	8.0	AUG. 1.....	31.0
FEB. 15.....	16.5	AUG. 28.....	28.0
MAR. 28.....	21.0		

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

DEC. 6, 1971.....	10.0	JUNE 19.....	30.0
FEB. 28, 1972.....	12.0	JULY 11.....	28.0
APR. 17.....	24.5	AUG. 21.....	31.5
MAY 23.....	27.0	SEPT. 26.....	25.0

07364200 BAYOU BARTHOLOMEW NEAR JONES

OCT. 20, 1971.....	25.0	MAY 10.....	20.5
NOV. 17.....	15.5	JUNE 14.....	28.0
DEC. 2.....	6.0	JULY 26.....	31.0
JAN. 7, 1972.....	8.0	AUG. 22.....	30.0
FEB. 17.....	11.0	SEPT. 11.....	31.0
APR. 6.....	16.0		

07364300 CHEMIN-A-HAUT BAYOU NEAR BEEKMAN

JAN. 6, 1972.....	7.5	APR. 5.....	15.0
JAN. 11.....	17.0	MAY 9.....	19.0
JAN. 13.....	12.0	JULY 26.....	25.5
FEB. 17.....	9.0	SEPT. 11.....	29.0

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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RED RIVER BASIN--Continued

07364700 BAYOU DE LOUITRE NEAR LARAN

NOV. 30, 1971.....	7.0	MAY 22.....	27.5
DEC. 15.....	12.0	JUNE 2.....	24.0
JAN. 6, 1972.....	6.0	JULY 6.....	24.0
FEB. 23.....	14.0	JULY 31.....	24.0
APR. 6.....	21.0	SEPT. 15.....	29.0
MAY 15.....	19.0	SEPT. 27.....	25.0

07366200 LITTLE CORNEY BAYOU NEAR LILLIE

OCT. 18, 1971.....	24.0	APR. 4.....	15.0
NOV. 30.....	8.0	JULY 31.....	24.0
JAN. 6, 1972.....	6.0	SEPT. 15.....	28.0
FEB. 23.....	12.0	SEPT. 27.....	23.0

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

OCT. 21, 1971.....	23.0	JULY 26.....	25.0
NOV. 17.....	12.0	AUG. 22.....	30.0
JUNE 14, 1972.....	28.0		

07368000 BOEUF RIVER NEAR GIRARD

OCT. 19, 1971.....	25.0	APR. 4.....	16.0
NOV. 9.....	13.0	MAY. 9.....	21.5
DEC. 16.....	12.0	JUNE 13.....	26.0
JAN. 7, 1972.....	10.0	JULY 24.....	26.0
JAN. 10.....	9.5	SEPT. 6.....	29.0
JAN. 14.....	11.0	SEPT. 27.....	28.5
FEB. 15.....	10.5		

07368500 BIG COLEWA BAYOU NEAR OAK GROVE

DEC. 16, 1971.....	13.0	APR. 6.....	17.5
JAN. 7, 1972.....	10.0	MAY 11.....	21.0
JAN. 10.....	17.0	SEPT. 7.....	30.0
FEB. 17.....	14.0		

07369000 BAYOU LAFOURCHE NEAR CREW LAKE

NOV. 8, 1971.....	15.0	FEB. 15.....	10.5
DEC. 15.....	12.0	APR. 3.....	18.0
JAN. 7, 1972.....	5.0	MAY 9.....	22.0
JAN. 14.....	7.0	JUNE 16.....	26.5
JAN. 27.....	13.0	JULY 24.....	30.0
FEB. 4.....	11.5	SEPT. 5.....	28.5
FEB. 11.....	9.0	SEPT. 27.....	28.5

07369500 TENSAS RIVER AT TENDAL

OCT. 4, 1971.....	26.0	MAR. 23.....	19.0
OCT. 21.....	25.0	APR. 4.....	16.0
NOV. 9.....	15.0	MAY 2.....	23.0
DEC. 1.....	8.0	MAY 10.....	19.0
DEC. 8.....	10.0	MAY 18.....	24.5
DEC. 15.....	14.5	MAY 31.....	23.0
DEC. 20.....	12.0	JUNE 13.....	26.0
JAN. 7, 1972.....	10.0	JULY 10.....	26.5
JAN. 11.....	12.0	AUG. 15.....	29.0
JAN. 14.....	11.0	AUG. 29.....	28.0
FEB. 4.....	12.0	SEPT. 6.....	29.0
FEB. 11.....	9.0	SEPT. 20.....	29.0
FEB. 16.....	11.0	SEPT. 27.....	27.0
MAR. 9.....	14.0		

073697 BAYOU MACON NEAR KILBOURNE

OCT. 21, 1971.....	22.0	JUNE 14.....	28.0
DEC. 2.....	7.0	SEPT. 7.....	29.5
FEB. 16, 1972.....	10.5	SEPT. 28.....	26.5

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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RED RIVER BASIN--Continued

07370000 BAYOU MACON NEAR DELHI

OCT. 22, 1971.....	26.5	FEB. 16.....	11.0
NOV. 9.....	16.5	APR. 4.....	15.0
JAN. 7, 1972.....	14.0	MAY 10.....	19.0
JAN. 11.....	11.0	JULY 25.....	28.0
JAN. 13.....	13.0	SEPT. 28.....	26.5
JAN. 17.....	11.5		

07372000 DUGDEMONA RIVER NEAR WINNFIELD

NOV. 18, 1971.....	22.0	JUNE 14.....	24.0
DEC. 9.....	11.5	AUG. 2.....	26.0
FEB. 4, 1972.....	7.5	AUG. 28.....	25.0
MAY 3.....	21.0	SEPT. 29.....	27.5
MAY 17.....	20.0		

07372200 LITTLE RIVER NEAR ROCHELLE

OCT. 4, 1971.....	27.0	AUG. 2.....	29.5
NOV. 15.....	18.0	AUG. 30.....	28.0
JUNE 9.....	24.0	SEPT. 15.....	28.5
JUNE 30.....	25.0		

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM

OCT. 6, 1971.....	22.0	JUNE 12.....	26.0
NOV. 22.....	9.5	JUNE 20.....	22.5
MAR. 24, 1972.....	10.5	AUG. 11.....	24.0
MAY 15.....	27.5	SEPT. 22.....	22.5

07315500 TANGIPAHOA RIVER AT ROBERT

OCT. 7, 1971.....	21.0	JUNE 26.....	27.0
MAY 17, 1972.....	22.0	SEPT. 18.....	27.5
MAY 31.....	25.0		

07376000 TICKFAW RIVER AT HOLDEN

OCT. 5, 1971.....	25.0	JUNE 26.....	27.5
NOV. 19.....	12.0	AUG. 2.....	26.0
MAR. 28, 1972.....	19.0	SEPT. 19.....	27.0
MAY 3.....	22.0		

07376500 NATALBANY RIVER AT BAPTIST

OCT. 4, 1971.....	26.0	JUNE 26.....	26.5
NOV. 19.....	18.0	AUG. 2.....	26.0
MAR. 24, 1972.....	25.0	SEPT. 20.....	28.0
MAY 4.....	22.0		

07377000 AMITE RIVER NEAR DARLINGTON

OCT. 6, 1971.....	22.5	AUG. 3.....	27.0
MAR. 23, 1972.....	18.5	AUG. 22.....	25.0
JUNE 23.....	26.0		

07377500 COMITE RIVER NEAR OLIVE BRANCH

FEB. 15, 1971.....	12.0	AUG. 2.....	23.0
APR. 24.....	23.5	SEPT. 13.....	24.5
JUNE 21.....	27.0		

07378000 COMITE RIVER NEAR COMITE

JAN. 14, 1972.....	15.0	AUG. 3.....	25.5
FEB. 18.....	15.0	SEPT. 14.....	24.0
JUNE 30.....	27.0		

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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MISSISSIPPI RIVER DELTA--Continued

07378500 AMITE RIVER NEAR DENHAM SPRINGS

OCT. 4, 1971.....	26.0	AUG. 1.....	28.0
APR. 6, 1972.....	22.0	SEPT. 21.....	27.5
MAY 24.....	26.0	SEPT. 29.....	28.0
JUNE 27.....	30.0		

07380400 BAYOU LAFOURCHE AT DONALDSONVILLE

JULY 6, 1972.....	26.0	SEPT. 20.....	27.0
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07381800 SPRING CREEK NEAR GLENMORA

OCT. 13, 1971.....	23.0	MAR. 30.....	14.5
OCT. 15.....	18.0	MAY 9.....	20.0
NOV. 16.....	15.0	AUG. 8.....	23.0
JAN. 7, 1972.....	9.0	AUG. 29.....	22.0
FEB. 25.....	19.0	SEPT. 18.....	22.0

07382000 BAYOU COCODRIE NEAR CLEARWATER

OCT. 14, 1971.....	24.0	MAY 15.....	22.0
NOV. 16.....	15.0	JULY 5.....	19.0
JAN. 19, 1972.....	11.0	AUG. 7.....	23.0
FEB. 24.....	16.5	AUG. 31.....	25.0
APR. 11.....	20.5	SEPT. 15.....	27.0
APR. 19.....	22.0		

07382500 BAYOU COURTABLEAU AT WASHINGTON

OCT. 12, 1971.....	19.5	AUG. 17.....	31.0
MAR. 27, 1972.....	20.0	OCT. 10.....	25.5
JULY 3.....	32.0		

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE

OCT. 12, 1971.....	28.0	JUNE 26.....	36.0
NOV. 24.....	12.0	AUG. 1.....	29.0
FEB. 28, 1972.....	16.0	AUG. 30.....	27.0
APR. 6.....	19.5	SEPT. 15.....	26.0
MAY 15.....	21.0		

07385500 BAYOU TECHE AT ARNAUDVILLE

OCT. 12, 1971.....	21.5	MAR. 28.....	19.0
NOV. 30.....	13.0	JULY 3.....	33.0
JAN. 11, 1972.....	14.0	AUG. 18.....	29.5
FEB. 23.....	14.0		

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE

NOV. 30, 1971.....	13.5	AUG. 10.....	27.0
JAN. 13, 1972.....	17.0	SEPT. 29.....	22.0
MAR. 1.....	21.5		

08011500 BOGGY BAYOU NEAR PINE PRAIRIE

OCT. 18, 1971.....	24.0	JUNE 21.....	22.0
FEB. 28, 1972.....	19.0	AUG. 3.....	23.0
APR. 6.....	16.0	AUG. 31.....	23.5

08012000 BAYOU NEZPIQUE NEAR BASILE

OCT. 13, 1971.....	24.0	MAR. 30.....	16.5
NOV. 30.....	12.5	JUNE 29.....	32.0
MAR. 1, 1972.....	19.0	AUG. 10.....	27.0

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA

OCT. 19, 1971.....	26.0	MAR. 23.....	17.0
NOV. 29.....	12.0	MAY 9.....	20.5
JAN. 19, 1972.....	12.0	JUNE 15.....	22.0
FEB. 25.....	19.0	AUG. 29.....	25.0

08013500 CALCASIEU RIVER NEAR OBERLIN

OCT. 26, 1971.....	19.0	JULY 25.....	28.0
FEB. 24, 1972.....	18.5	AUG. 28.....	26.5
MAR. 27.....	25.0	SEPT. 15.....	27.5
MAY 25.....	26.0	SEPT. 25.....	29.0

08014500 WHISKY CHITTO CREEK NEAR OBERLIN

OCT. 12, 1971.....	18.0	MAY 10.....	19.0
NOV. 17.....	16.0	JULY 31.....	21.0
FEB. 15, 1972.....	16.0	SEPT. 6.....	23.0
MAR. 30.....	13.5		

08014800 BUNDICK CREEK NEAR DE RIDDER

OCT. 6, 1971.....	22.0	MAY 9.....	18.0
NOV. 18.....	17.0	JUNE 20.....	21.0
FEB. 16, 1972.....	14.0	AUG. 3.....	23.0
MAR. 30.....	14.5	SEPT. 6.....	23.0

08015500 CALCASIEU RIVER NEAR KINDER

OCT. 7, 1971.....	25.0	AUG. 9.....	27.0
NOV. 17.....	18.0	SEPT. 5.....	26.5
APR. 4, 1972.....	24.0	SEPT. 19.....	26.0
JUNE 29.....	26.0		

08016400 BECKWITH CREEK NEAR DE QUINCY

OCT. 7, 1971.....	24.0	MAR. 28.....	17.0
NOV. 17.....	17.0	JUNE 28.....	27.5
FEB. 18, 1972.....	15.0	AUG. 8.....	27.0
FEB. 28.....	16.5		

08016800 BEAR HEAD CREEK NEAR STARKS

OCT. 7, 1971.....	21.0	MAR. 29.....	20.0
FEB. 18, 1972.....	13.0	JUNE 28.....	28.5
FEB. 28.....	18.0	AUG. 8.....	27.0

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO

OCT. 6, 1971.....	24.0	MAR. 28.....	20.5
NOV. 19.....	19.0	MAY 11.....	20.0
NOV. 22.....	7.0	MAY 15.....	19.5
DEC. 6.....	12.0	JUNE 21.....	25.5
JAN. 5, 1972.....	8.0	AUG. 1.....	22.5
FEB. 15.....	10.0	AUG. 30.....	22.0

08028000 BAYOU ANACOCO NEAR ROSEPINE

OCT. 6, 1971.....	24.0	MAY 10.....	19.5
NOV. 16.....	17.0	JUNE 21.....	23.0
FEB. 17, 1972.....	11.5	AUG. 1.....	24.0
MAR. 29.....	14.5	SEPT. 6.....	25.0

08028200 BAYOU ANACOCO NEAR KNIGHT

OCT. 8, 1971.....	22.0	MAY 10.....	19.5
NOV. 16.....	19.0	JUNE 22.....	23.0
FEB. 17, 1972.....	15.0	JULY 18.....	23.0
APR. 5.....	16.0	AUG. 1.....	25.0

DATE OF COLLECTION	TEMPERATURE	DATE OF COLLECTION	TEMPERATURE
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SABINE RIVER BASIN--Continued

08028700 HOOSIER CREEK NEAR MERRYVILLE

OCT. 7, 1971.....	19.0	MAY 9.....	17.5
NOV 16.....	17.0	JUNE 22.....	21.5
FEB. 17, 1972.....	14.5	AUG. 1.....	22.0
MAR. 29.....	13.5	SEPT. 7.....	22.0

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