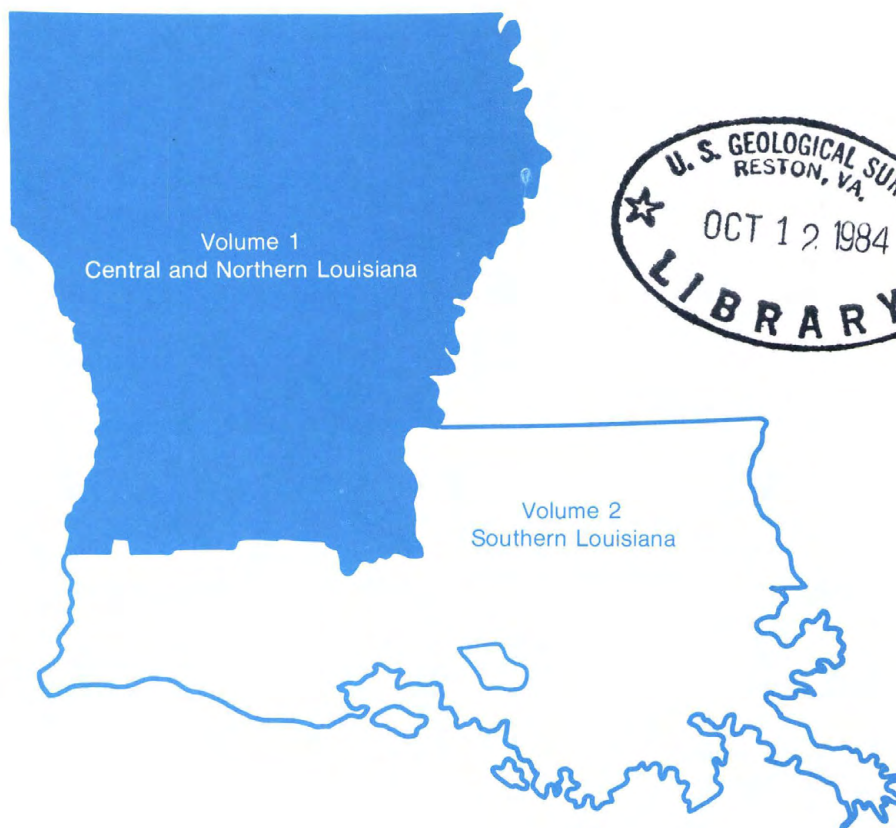


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Water Resources Data Louisiana Water Year 1983

Volume 1. Central and Northern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-83-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1983

1982

OCTOBER

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Water Resources Data Louisiana Water Year 1983

Volume 1. Central and Northern Louisiana

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-83-1

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

UNITED STATES DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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

1983

PREFACE

This volume of the annual hydrologic data report of Louisiana is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Louisiana are contained in 2 volumes.

Volume 1. Central and Northern Louisiana
Volume 2. Southern Louisiana

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Anthony H. Devillier	Robert O. Walsworth
Alton J. Dupuy	

Mary M. Jordan typed the text of the report.

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

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INTRODUCTION

Water resources data for the 1983 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in two volumes, contains discharge records for 79 gaging stations; stage record for 69 of these gaging stations; stage only for 50 gaging stations; contents for 1 reservoir; stage only for 11 lakes; water quality for 110 stations (33 of these at gaging stations), 10 miscellaneous sites, 12 lakes, and 213 wells; and water levels for 679 observation wells. Also included are data for 88 crest-stage partial-record stations and 107 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements and analysis. These data stations represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Records of discharge or stage of streams and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry an identification number consisting of the two-letter state abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-83-1." Water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

COOPERATION

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

Louisiana Department of Transportation and Development, Paul J. Hardy, Secretary; Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Louisiana Department of Natural Resources, Frank A. Simoneaux, Secretary; Water Pollution Control Division, J. Dale Givens, Administrator, and Office of Conservation, James H. Welsh, Chief of Surface Mining Division.

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

Sabine River Compact Administration, composed of James B. Furrh, Jr., Chairman; Darrell Williamson and Raymond J. Palmer for Louisiana; David V. Gardner, and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, Robert I. Pierce III, Chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army and the National Park Service in collection of records for 36 stage and discharge stations and 58 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

In the northeastern part of the State, excessive rainfall continued from September into October 1982. On October 7 and 8, 12.19 inches of rain fell at the Lake Providence reporting station. Due to this rain, Bayou Macon near Delhi experienced the second highest monthly mean flow of record for October, 1,874 ft³/s. The maximum, 2,217 ft³/s, occurred in 1959. Flow in the Atchafalaya River at Simmesport and the Mississippi River at Baton Rouge continued in the normal range during October. Calcasieu River near Oberlin was deficient in flow during October. The monthly average flow was 50.5 ft³/s, 20 percent of the monthly long-term average runoff, 251 ft³/s.

During the latter part of November, rainfall was excessive at most reporting stations, notably Boyce and De Ridder. During the period November 17-28, De Ridder had 12.23 inches of rainfall with rain occurring on ten days during this period. Boyce had 14.12 inches of rainfall, November 16-30, with rain occurring on nine of these fifteen days. The effects of this excessive rainfall was reflected in the runoff of the Calcasieu River basin, as the average flow of the Calcasieu River went from the deficient range in October to above average in November. Rainfall in northeastern Louisiana was also above normal for November. The average flow of Bayou Macon reflected this by exceeding the November long-term average by 120 percent. The mean flow was 1,071 ft³/s compared to the long-term November average of 482 ft³/s. The average flow for Big Creek at Pollock, 85.2 ft³/s, greatly exceeded the November long-term average, 38.5 ft³/s.

December was the third consecutive month with unusually excessive rainfall, owing mainly to three separate storms. The first occurred December 1-5, the second December 10-12, and the last December 22-28. The statewide average rainfall was about 15 inches, which is the highest average for December for the entire climatic record beginning in 1888; the previous statewide high average rainfall for December was 13 inches in 1911. The previous high for any given month, statewide, was 14.4 inches in May, 1907. The greatest monthly rainfall total at any reporting station in Louisiana for December, 1982, was 25.45 inches at Belah Fire Tower, in LaSalle Parish, northeast of Alexandria. Table 1 gives rainfall amounts for selected reporting stations in Louisiana during December.

Table 1.--Rainfall amounts for selected stations in Louisiana during December, 1982.

Rainfall stations	Monthly total for December (inches)	Maximum 24-hour (inches)	Date of maximum daily
Alexandria	20.80	7.20	Dec. 26
Baton Rouge WSO AP	15.94	7.22	Dec. 3
Belah Fire Tower	25.45	11.50	Dec. 26
Bogalusa	12.23	9.06	Dec. 4
Calhoun Exp. Station	22.21	6.49	Dec. 26
Clinton	16.75	8.54	Dec. 4
DeQuincy Fire Tower	22.89	8.00	Dec. 27
De Ridder	23.18	8.40	Dec. 26
Jonesboro Fire Tower	22.56	7.90	Dec. 27
Leesfield	23.04	7.30	Dec. 27
Monroe NLU	20.66	6.82	Dec. 26
Natchitoches	21.77	6.00	Dec. 27
Winnfield 2W	23.08	7.73	Dec. 26

Average streamflow in December ranged from 400 to 900 percent of the long-term average monthly flow, at most index sites. (See Table 2.) The instantaneous maximum discharge for the period of record and the 100-year flood were exceeded at many sites in the State (Sauer, 1983). For example, Little River near Rochelle had a peak discharge on December 29 of 108,000 ft³/s, exceeding the 100-year flood event. The previous maximum was 54,800 ft³/s. The monthly mean discharge for December 1982 at all index sites exceeded the previous maximum monthly mean of record. (See figs. 2-8.)

Table 2.--Average discharges for selected stations in Louisiana during December, 1982, and for period of record.

Station number	Station name	Average discharge, in cubic feet per second		
		Period of record ^{1/}	Month of December ^{2/} for period of record ^{2/}	Month of December 1982
02489500	Pearl River near Bogalusa	9,599	9,065	39,110
07352000	Saline Bayou near Lucky	160	176	971
07370000	Bayou Macon near Delhi	982	933	6,647
07373000	Big Creek at Pollock	59.5	58.3	470
07378500	Amite River near Denham Springs	1,970	2,248	9,423
08013500	Calcasieu River near Oberlin	1,120	1,335	10,130
08025500	Bayou Toro near Toro	137	144	1,166

^{1/} Average discharge does not include 1982 water year.

^{2/} Average discharge does not include December 1982 monthly mean.

Moderate rain during January maintained the excessive average flows experienced in December. Monthly mean flows were above long-term averages at most index sites.. For example, Pearl River near Bogalusa had a January mean flow of 39,110 ft³/s compared to the long-term monthly average of 14,420 ft³/s for the period 1939-82. (See fig. 2.) The Mississippi River at Baton Rouge had a maximum daily-mean discharge of 1,226,000 ft³/s at a stage of 38.0 ft on January 12.

During February, precipitation was above normal everywhere in Louisiana except at a few reporting stations in the central part of the State. This rainfall sustained the above average flow conditions prevailing in most streams. Monthly mean flows exceeded the long-term average at all index sites. For example, Saline Bayou near Lucky had a mean flow of 925 ft³/s compared to the long-term monthly average of 285 ft³/s. (See fig. 3.) Also, Amite River near Denham Springs had a monthly mean flow of 7,859 ft³/s, whereas the long-term monthly average is 3,505 ft³/s. (See fig. 6.) Some relief from the rains came in March, and streamflows generally declined at most index sites; but flows were still above normal at most index sites.

Extreme flooding occurred due to very excessive rainfall in early April. Most of the flooding was associated with heavy rains April 5-6 in southeastern Louisiana. Franklinton reported a monthly total for April of 18.06 inches, of which 13.4 inches occurred April 5-7 and 10.56 inches fell on April 6. Tylertown, Miss. and Columbia, Miss. reported rainfall amounts of 15.54 inches and 17.48 inches, respectively, for the period April 4-8 (Carlson, 1983). This extreme rainfall caused extensive flooding in most of the river basins in southeastern Louisiana, the most extreme flooding was along the Bogue Chitto. For example, Bogue Chitto at Franklinton experienced a stage that exceeded the previous maximum (since 1900) by 4.14 feet, and the April 7 peak discharge of 125,000 ft³/s was more than two times the previous maximum discharge, having a frequency greater than 100 years. Downstream Bogue Chitto near Bush had a stage that was 3.91 feet greater than the previous maximum (since 1937) on April 8. The peak discharge of 131,700 ft³/s was more than twice the previous maximum, and the frequency of this event is greater than 100 years. Extreme flooding was experienced in the Lower Pearl River near Slidell. A stage of 21.05 feet was recorded at the Pearl River at Pearl River site, with a discharge of 230,000 ft³/s. This flow had a recurrence interval greater than 100 years. The monthly mean flow for Amite River near Denham Springs was 10,670 ft³/s and greatly exceeded the April long-term average of 3,342 ft³/s. The April 1983, mean did not exceed the maximum April mean (13,150 ft³/s), which occurred April 1980. (See fig. 6.) Streamflow at most index stations in other areas of the State were still above their monthly long-term averages.

During May, excessive rainfall again plagued north-central Louisiana. Severe weather, including tornadoes, high winds, and heavy rainfall caused major damage. Precipitation was well above average; the maximum monthly total for the State was 22.3 inches at Winona Fire Tower in Winn Parish. Bayou Toro near Toro and Big Creek at Pollock had monthly means that exceeded their long-term monthly average for May. The May mean discharge for Bayou Toro was 830 ft³/s, a new record. The long-term average flow for May is 171 ft³/s (1956-82). Big Creek at Pollock had a May mean flow of 338 ft³/s compared to the long-term average of 83.3 ft³/s.

The total precipitation for the northeastern area of Louisiana amounted to 93 inches, June, 1982 to June, 1983, about 80-percent more than the long-term average based on the period 1941-70. The Mississippi River peaked for the second time during the water year on June 5 at an elevation of 43.9 feet; this was the fifth highest elevation of record. The discharge corresponding to this peak was approximately 1,470,000 ft³/s.

During June, streamflows generally declined and this trend continued into July. The larger rivers--the Red, Atchafalaya, and Mississippi--continued to have monthly average flow exceeding the July long-term average. The June mean discharge for Pearl River near Bogalusa was 22,550 ft³/s, a new record. The long-term average flow for June is 4,780 ft³/s (1939-82).

A very heavy localized rain occurred August 2 southeast of Baton Rouge. One reporting station, Woodlawn, recorded 14.4 inches. This station had an August total of 21.7 inches. The effect of this rainfall was reflected in the flow of the Amite River near Denham Springs where the August mean flow was 4,919 ft³/s compared to the long-term monthly average of 1,010 ft³/s. This was a new mean flow of record for August; the previous maximum was 4,341 ft³/s, which occurred in 1975. Bayou Toro near Toro also experienced excessive runoff, as the monthly mean discharge was 107 ft³/s compared to the long-term monthly average of 26.7 ft³/s. This monthly mean was the second largest of record; only the 1958 August mean flow of 198 ft³/s was higher.

In the northeastern part of Louisiana, which had been saturated for 10 months, the weather made a complete reversal during July and August. This area became very dry with a total August precipitation of 0.4 inches at Tallulah and less than 0.8 inches at Lake Providence.

Streamflows continued their decline in September, as only two index stations had monthly mean discharges that exceeded their September long-term average. Some heavy rainfall associated with Gulf Tropical Disturbances occurred along the coastal areas of Louisiana.

In the Mississippi River at New Orleans, dissolved-oxygen concentrations ranged from 5.0 to 12.4 mg/L, water temperatures ranged from 5.5 to 31.5 °C, and pH ranged from 6.9 to 8.0 units during the water year. All measured values were within the limits of water-quality criteria set by the State of Louisiana for all uses. The criteria are 5.0 mg/L for dissolved oxygen, 32.0°C for temperature, and 6.5 to 9.0 units for pH.

GROUND WATER

In northern and central Louisiana, water-level trends in wells screened in the Sparta and Miocene aquifers show that the long-term regional decline in water levels in these aquifers was interrupted in many areas during the water year. At the end of the water year, levels were stable in some areas and were rising in a few areas. Previously, water levels had been declining at the rate of 0.5 to 2.5 feet per year. The recent changes in trend are related to reduced industrial pumpage resulting from unfavorable economic conditions. Water-level trends in wells screened in the Wilcox-Carrizo, Cockfield, and alluvial aquifers reflected normal seasonal fluctuations. Water levels in wells screened in the terrace aquifer respond to long-term excesses or deficiencies in precipitation. During the 1983 water year, the level in well G-127B, a key observation well screened in the terrace aquifer, rose to a level near the average high for the past 10 years, after declining in 1981-82.

Water-level trends in wells in the Chicot aquifer of southwestern Louisiana generally showed a substantial rise in water levels during the 1983 water year. In the rice-growing area, water levels were typically about 5 feet higher at year end than at the beginning of the water year. This was primarily the result of reduced rice acreage and, therefore, reduced irrigation pumping. Water levels in the Lake Charles industrial area rose 6 to 17 feet during the year. The largest rise occurred in wells in the "500-foot" sand, and the smallest was in wells in the "200-foot" sand. Levels in wells in the "700-foot" sand were 10 to 12 feet higher in September 1983 than in September 1982.

Water levels in wells in the Evangeline aquifer in St. Landry Parish were mixed. At year end, the level in the key well at Opelousas was 3.5 feet lower than that for the previous September. From May to July, levels reached consecutive lows for the period of record (0.6 feet lower in July than the previous record low, September 1980). In contrast, the water level in the key observation well at Eunice was about 2.5 feet higher at year end than in September 1982.

In the Baton Rouge area, the general long-term rising trend of water levels in wells in the "400-foot" and "600-foot" sands was halted during 1983, when seasonal highs were generally about 10 feet lower and seasonal lows were 3 to 5 feet lower than in 1982. Levels in wells in the "800-foot" and "1,000-foot" sands rose 2 to 4 feet from the beginning to the end of the 1983 water year. Levels in wells in the "1,500-foot" and "1,700-foot" sands were 0.5 to 9 feet higher in October 1983 than in October 1982. Due to the decrease in pumping in the industrial areas, water levels in most observation wells in the "1,200-foot", "2,000-foot", "2,400-foot", and "2,800-foot" sands continued to rise during the water year. Fall 1983 water levels in wells in the "1,200-foot" sand were 1.5 to 6 feet higher than at comparable times in 1982. Water-level rises of 2 to 18 feet were observed in many wells in the "2,000-foot" sand, continuing the general water-level rise that has occurred over the past 4 years. Levels in key observation wells in the "2,400-foot" sand rose 3.5 to 18 feet from fall 1982 to fall 1983. The reversal of the downward trend of water levels in wells in the "2,800-foot" sand continued this year, as for the past 2 to 3 years.

Data from saltwater-monitoring wells in the "600-foot" sand of the Baton Rouge area continue to indicate stabilization of the interface between freshwater and saltwater in the aquifer, as chloride concentrations did not increase during the 1983 water year. The chloride concentration in several saltwater-monitoring wells in the "1,500-foot" sand continued to rise slowly.

In the New Orleans area, water levels in most observation wells in the Gonzales-New Orleans aquifer continued the rising trend that began in 1974. Due to a decrease in pumping, water levels in wells in the downtown area in October 1983 were 0.5 to 17 feet higher than in October 1982. One half of the observation wells in this aquifer set new highs of record during the first seven months of the 1983 water year. In wells in the Gramercy and Norco aquifers, spring 1983 water levels were 0.5 to 1.5 feet higher than levels recorded during spring 1982, but fall 1983 levels were 0.5 to 5 feet lower than fall 1982.

Mapping of the interface, or boundary, between freshwater and saltwater in the Gonzales-New Orleans aquifer in the New Orleans area indicates a slow northward migration of salty water toward pumping centers in northern and eastern Orleans Parish. A recently prepared map (Dial, 1983), which compares the 1960-62 position to the 1981-82 position of the interface, shows that the interface has moved northward 0.5 to 1.5 miles in the New Orleans metropolitan area during the past 20 years.

In the Florida Parishes, water levels in most observation wells in the shallow sands (upper and lower Ponchatoula and Big Branch aquifers) rose 1.5 to 4 feet during the 1983 water year. Water-level trends in wells in the intermediate sands (Abita, Covington, Kentwood, Slidell, and Tchefuncta aquifers) and the deep sands (Amite, Hammond, Franklinton, and Ramsay aquifers) varied during the 1983 water year. Spring 1983 levels generally were 1 to 2 feet lower than at comparable times in 1982, and new lows of record occurred in a few observation wells. However, fall levels were 0.5 to 8 feet higher than fall 1982. Spring levels in wells in the deep sands were slightly higher than at comparable times in 1982. However, the long-term declining trend of water levels in many wells in St. Helena and Tangipahoa Parishes continued during the fall; levels were 1 to 9.5 feet lower during fall 1983 than fall 1982. Slight water-level rises (2 to 4 feet) occurred in observation wells in Washington Parish, interrupting the declining trend of past years.

REFERENCES:

- Carlson, D. D., and Firda, G. D., 1983, Floods of April 1983 in Southern Mississippi and Southeastern Louisiana, 32 p.
- Dial, D. C., 1983, Ground-Water Data for the Mississippi River Parishes in the Greater New Orleans Area, Louisiana, 47 p.
- National Climatic Center, Climatological Data in Louisiana, December 1982, Vol. 87, No. 12, 10 p.
- Sauer, V. B., and Fulford, J. M., 1983, Floods of December 1982 and January 1983 in Central and Southern Mississippi River Basin, 41 p.

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO₃).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

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

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo,exo-1,4:5,8-dimethanonaphthalene.
Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.
DDD (combination of ortho and para isomers)
 o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
 p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.
DDE (combination of ortho and para isomers)
 o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,
 p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.
DDT (combination of ortho and para isomers)
 o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
 p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.
Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.
Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.
Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.
Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.
Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.
Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.
Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.
Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.
Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.
Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.
Methyl trithion phosphorodithioic acid S-[[4-(4-chlorophenyl)thio]-methyl] 0,0-dimethyl ester.
Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.
Mirex 1,1a,2,2,3,3a,4,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.
Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.
Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].
Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.
Trithion phosphorodithioic acid S-[[4-(4-chlorophenyl)thio]methyl] 0,0-diethyl ester.

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

2,4-D (2,4-dichlorophenoxy)acetic acid.
2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.
Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

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

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

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

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

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

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

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

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

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

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

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

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

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

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

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

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975; since 1975, abbreviated as WDR (Water-Data Report).

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

DOWNSTREAM ORDER AND STATION NUMBER

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

As an added means of identification, each hydrologic station and partial-record 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 other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8 to 14-digit number for each station such as 02489500000000, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6 to 12-digit downstream order number "489500000000". Records in this report, in two volumes, are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8 to 14-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

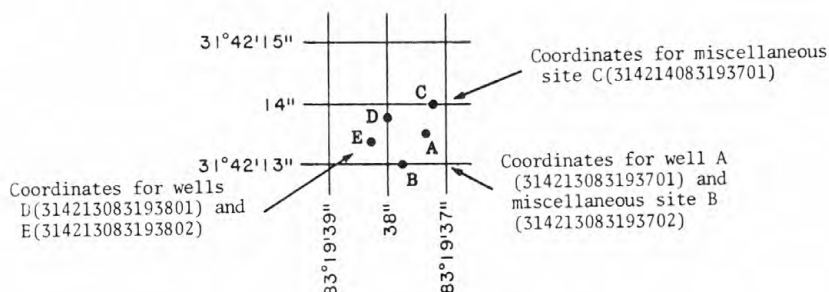


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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.

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

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge for streams or canals; and stage, surface area, and contents for 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 either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph or a tape punched at selected time intervals of the stage fluctuations. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, 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), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and 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 computed 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 aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

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

For a reservoir station, capacity tables 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 is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

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 mean 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, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily mean discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. 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."

Previously published streamflow 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 "REVISED RECORDS" 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 the 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 are affected by the revisions, the 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 report.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at the gaging station 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 given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding 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 on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will 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. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for the month. 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 or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the discharges for the calendar and water years.

Footnotes to the table of daily mean discharge are introduced by the word "NOTE." Footnotes are used to indicate periods 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-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of Field Data and Computed Results

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

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

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

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

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, 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.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during the water year at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

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

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

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

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

For chemical-quality stations equipped with digital recorders and monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

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

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

Sediment

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

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

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

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

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

Measurements are made in many types of wells, under varying conditions of access, depth to water, temperature; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

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

ACCESS TO WATSTORE DATA

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

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

General inquiries about WATSTORE may be directed to:

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlike, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

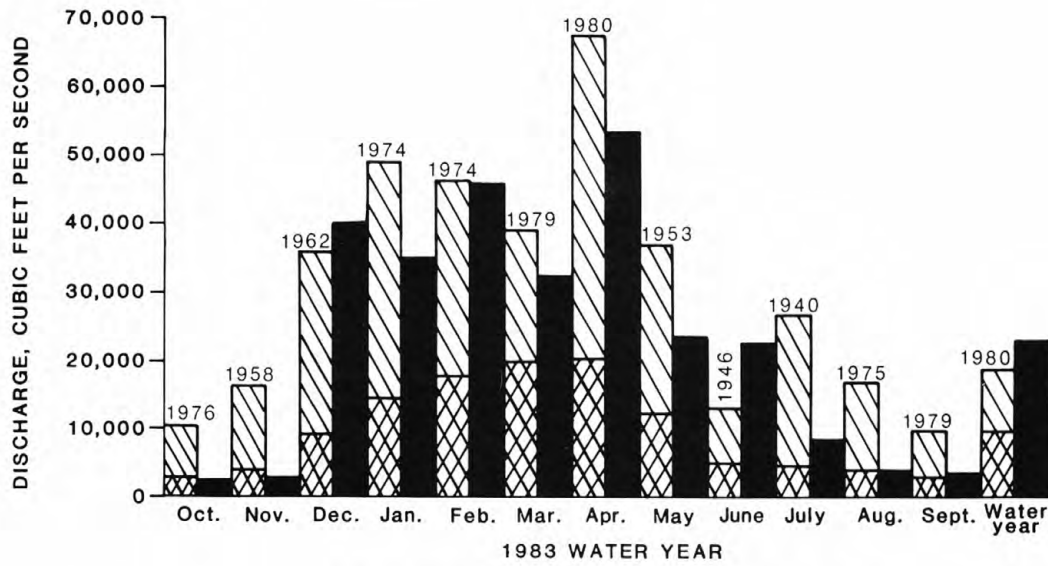


Figure 2.--Pearl River near Bogalusa, La.

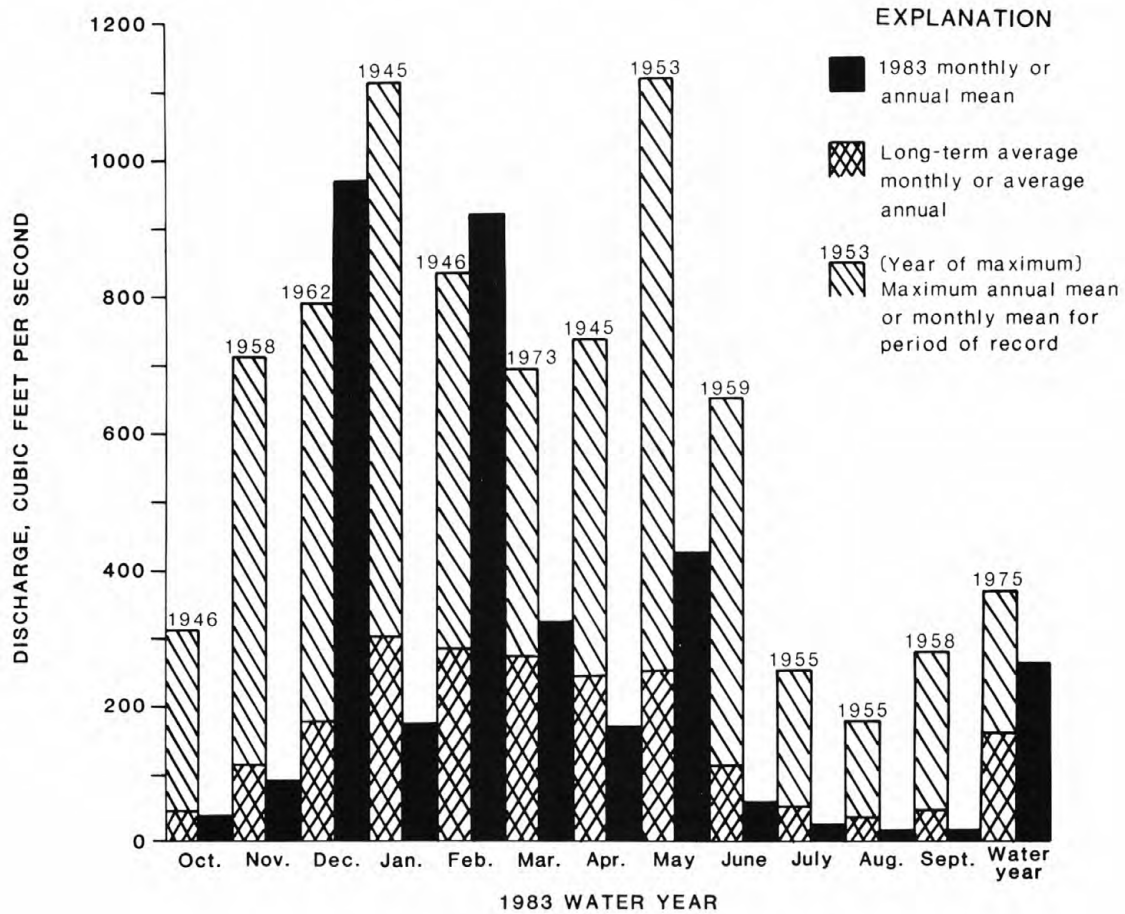


Figure 3.--Saline Bayou near Lucky, La.

WATER RESOURCES DATA FOR LOUISIANA, 1983

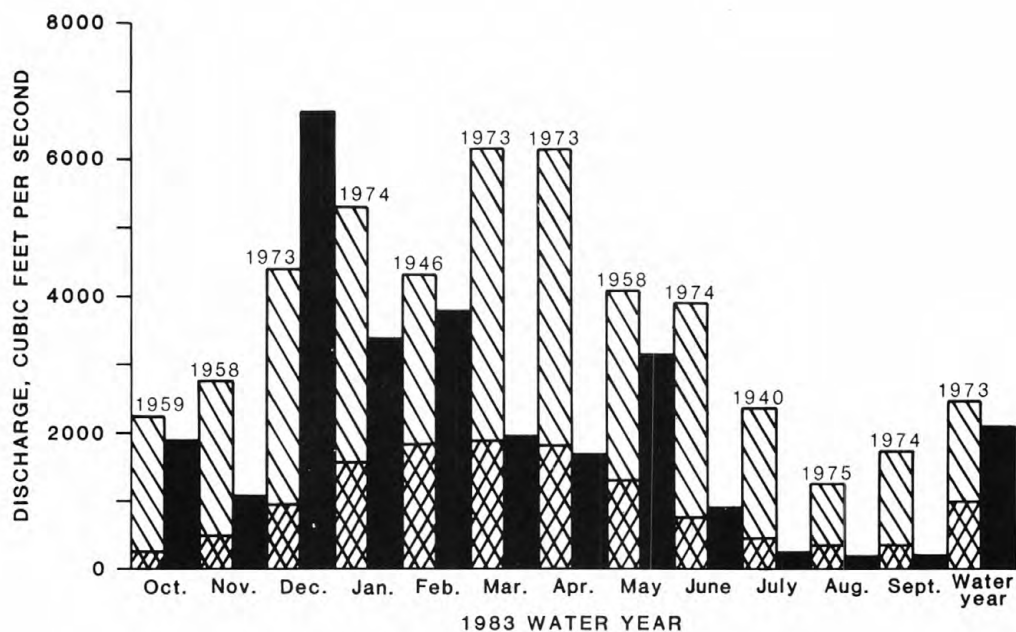


Figure 4.--Bayou Macon near Delhi, La.

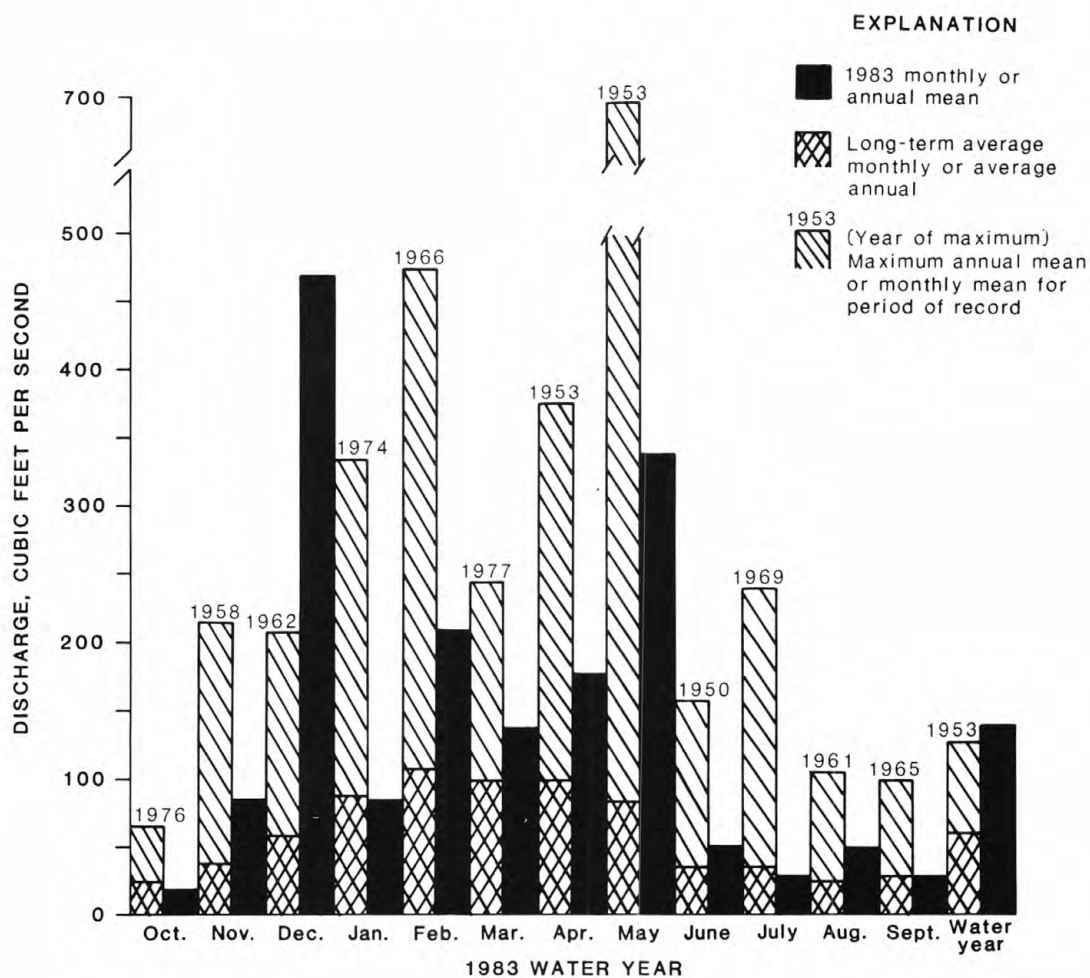


Figure 5.--Big Creek at Pollock, La.

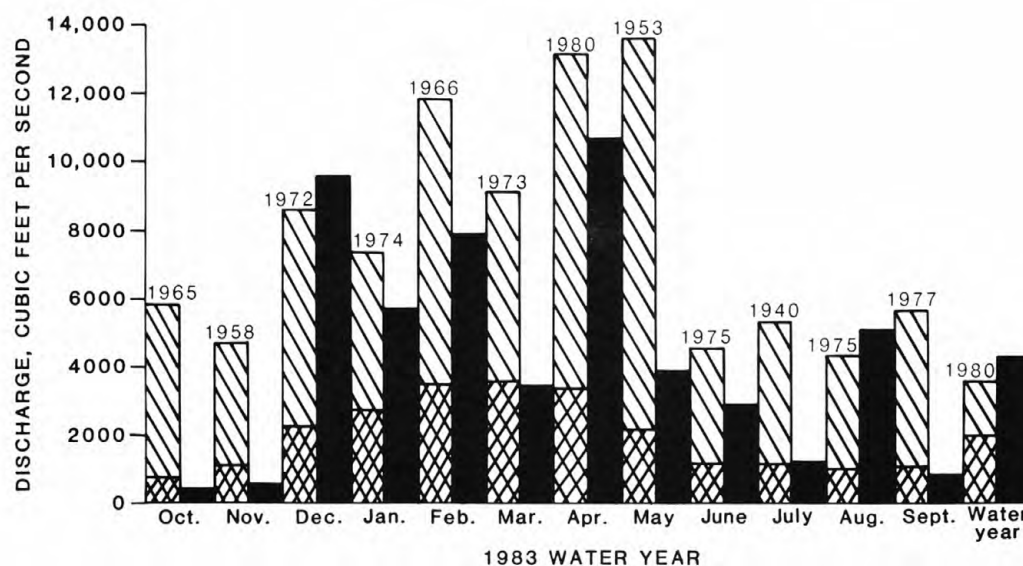


Figure 6.--Amite River near Denham Springs, La.

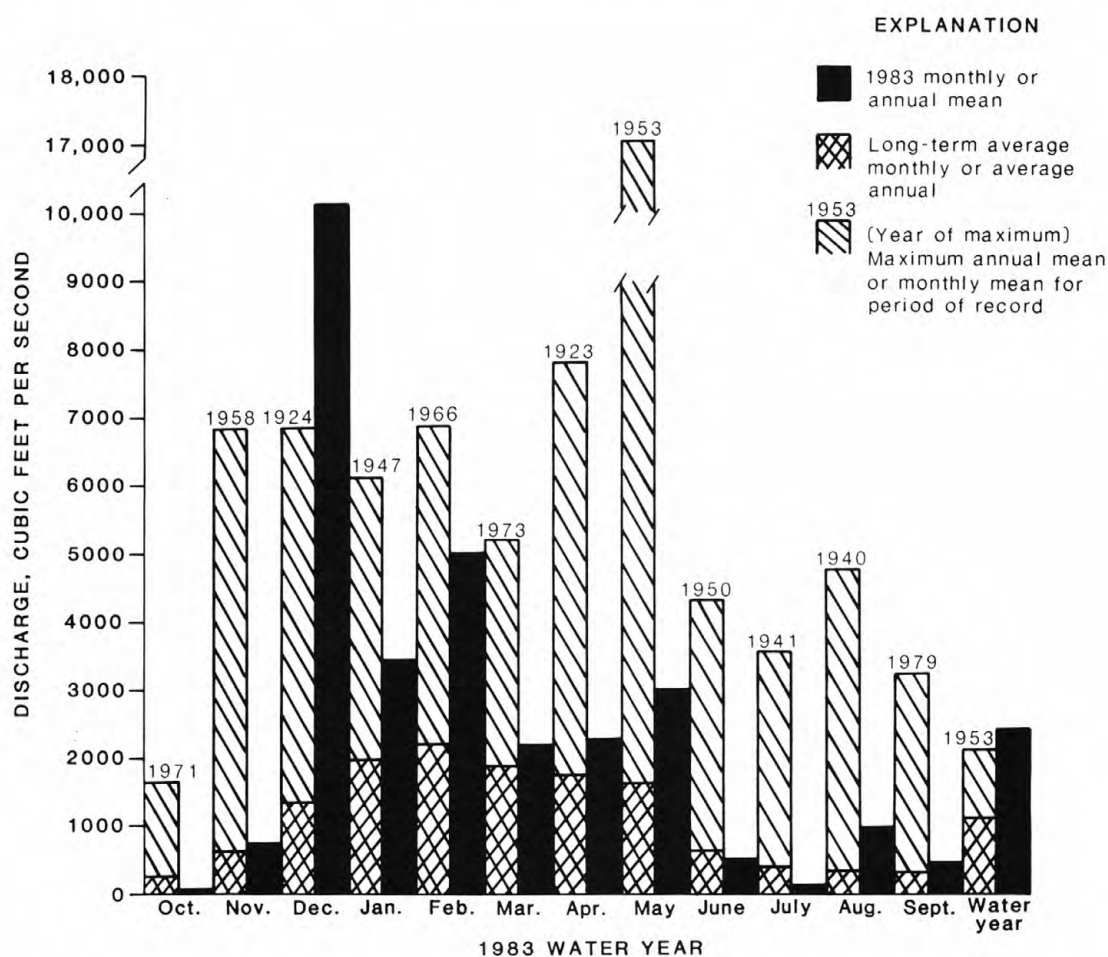


Figure 7.--Calcasieu River near Oberlin, La.

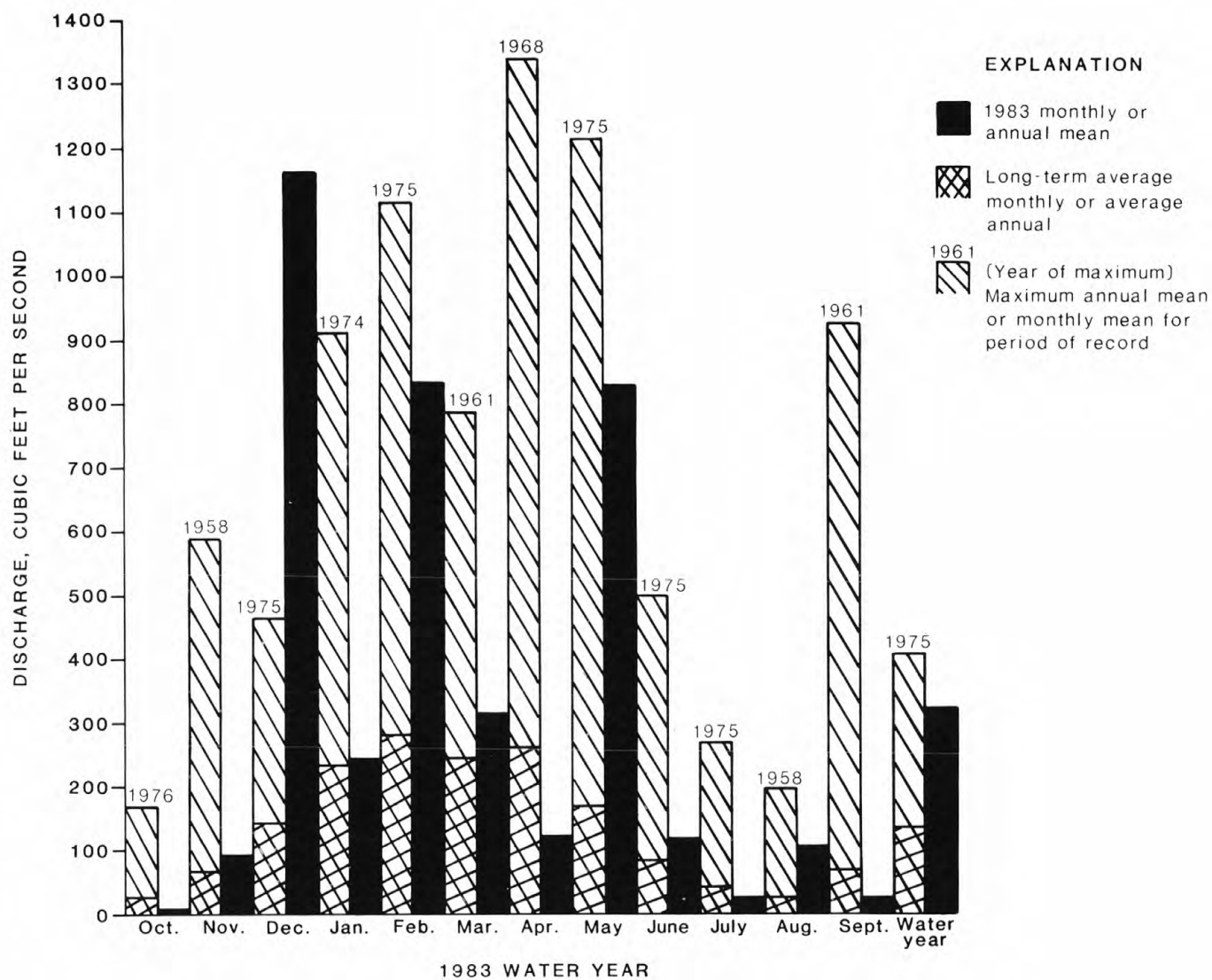


Figure 8.--Bayou Toro near Toro, La.

Figure 9.--Location of continuous gaging stations.



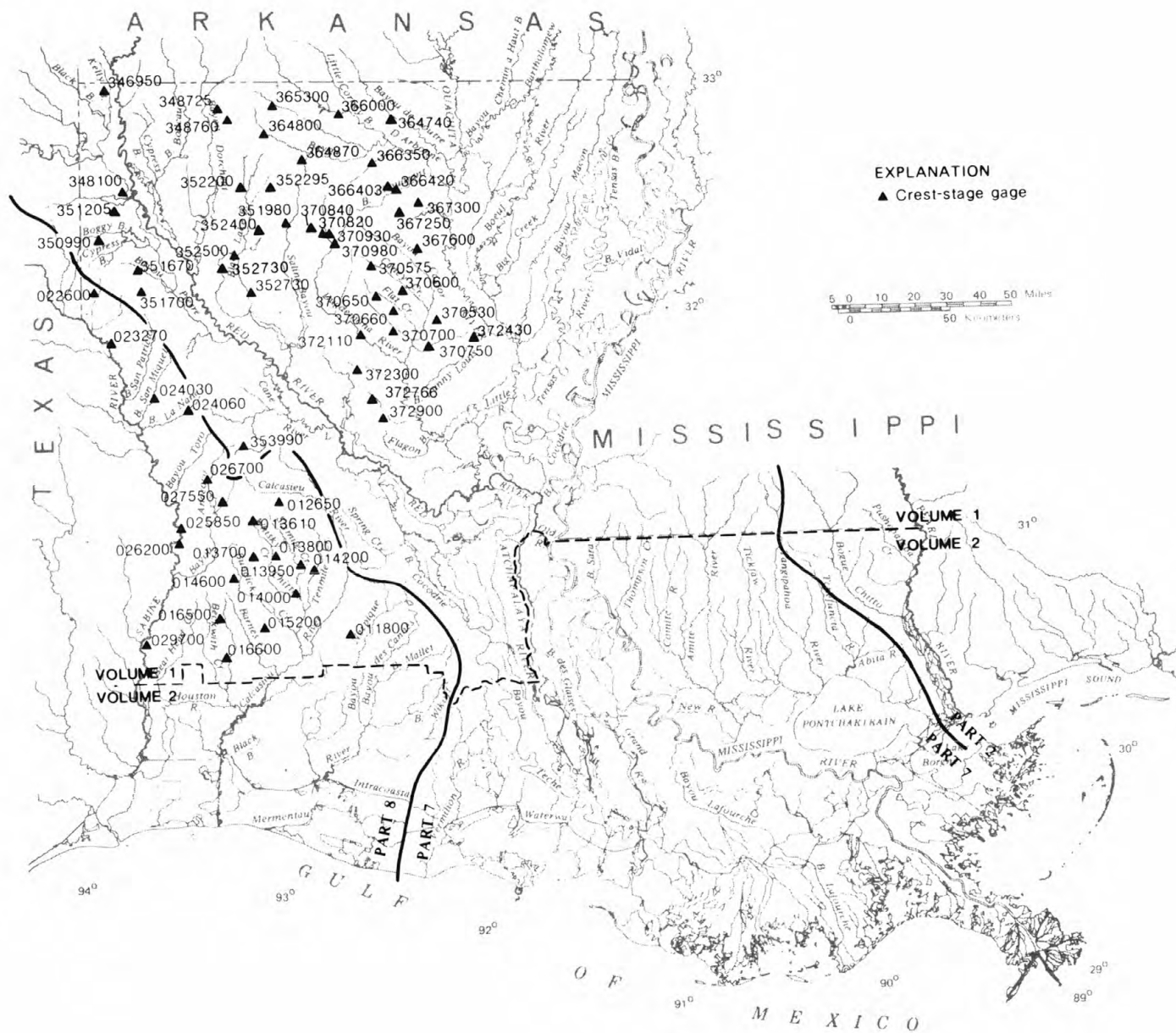
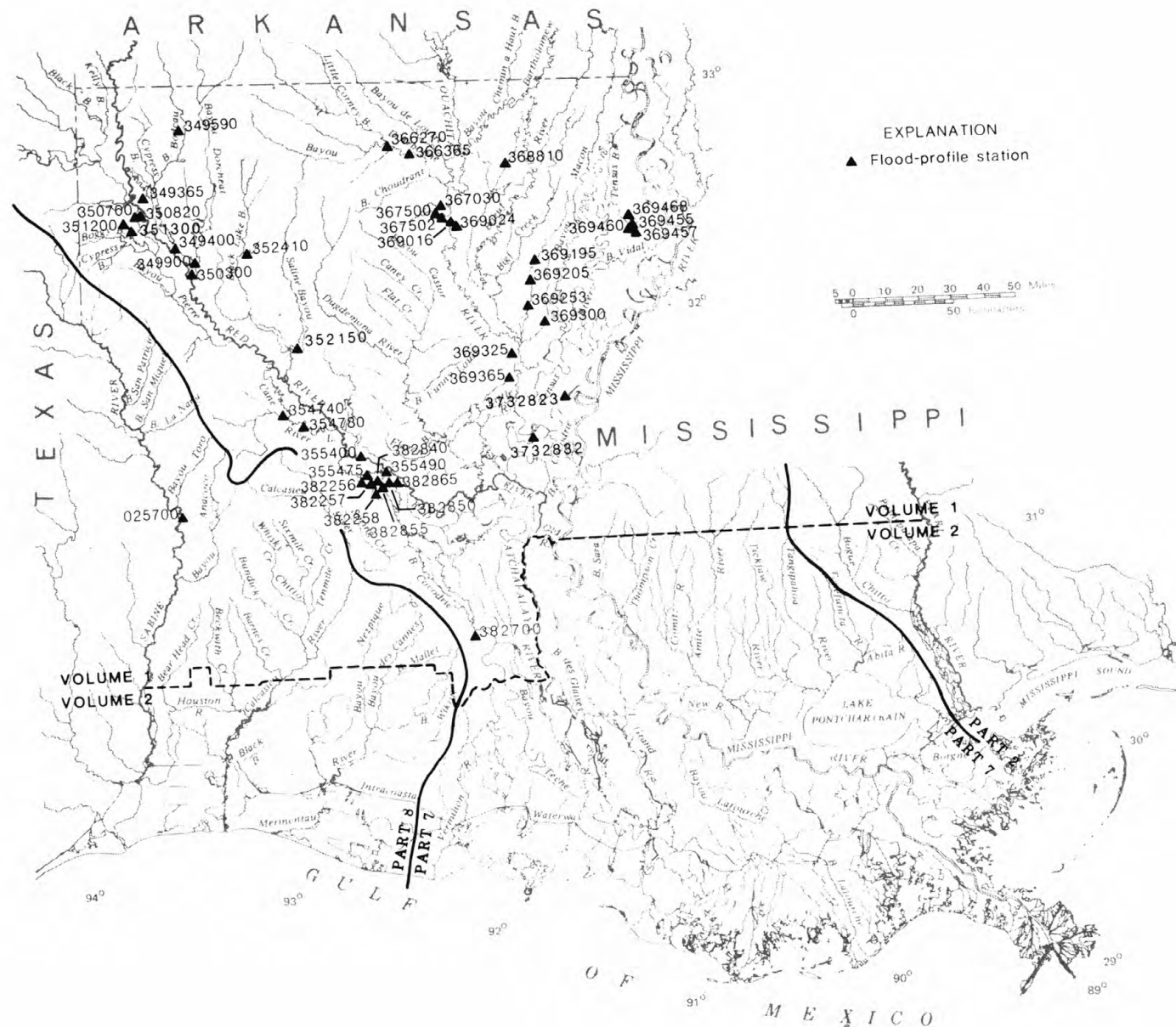


Figure 11.--Location of flood-profile stations.



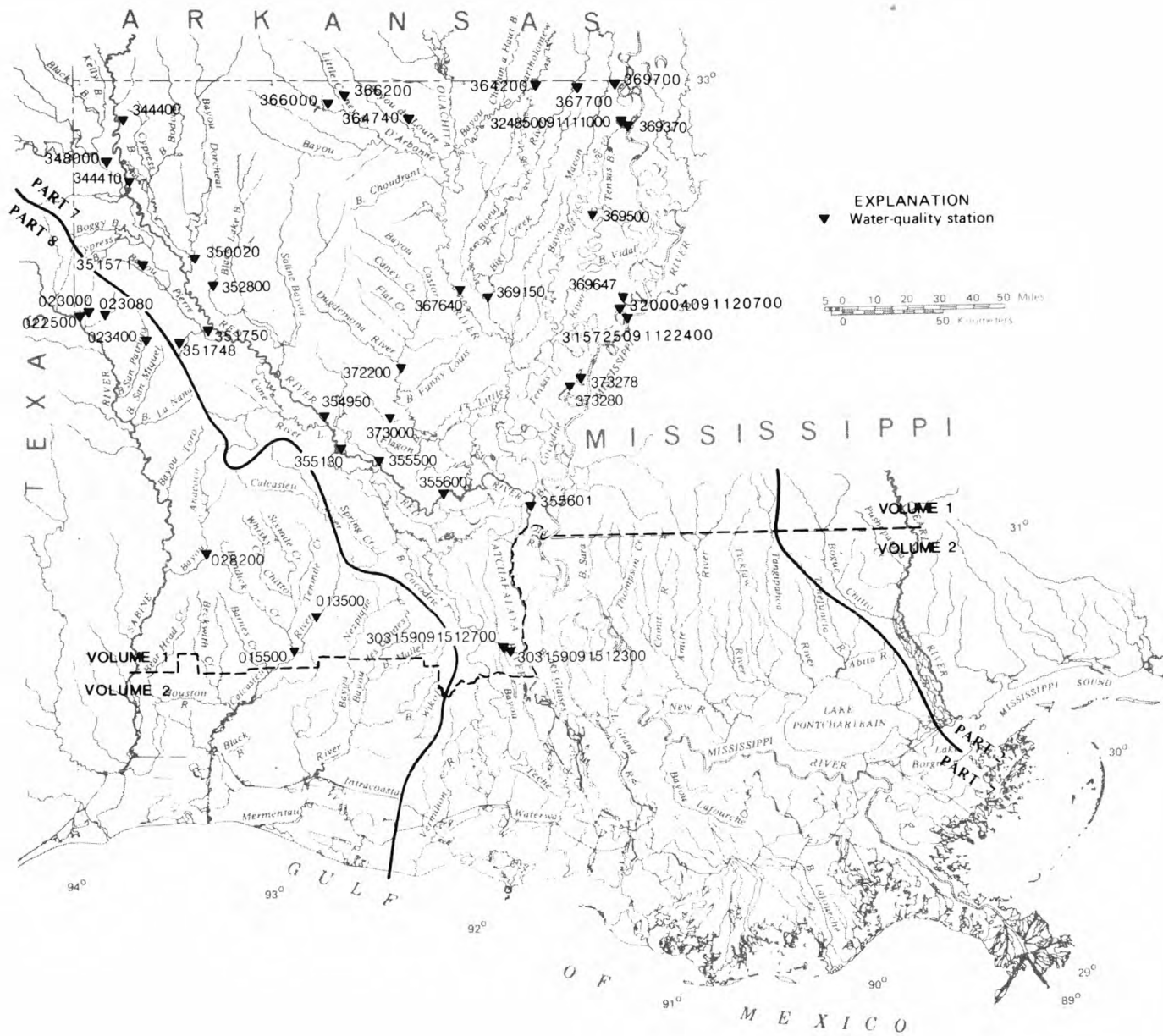


Figure 12.--Location of water-quality stations.

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07344400 RED RIVER NEAR HOSSTON, LA

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

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

REMARKS.--Records good. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,00 ft³/s May 7, 1958, gage height, 27.89 ft; minimum daily, 803 ft³/s Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.14 ft Dec. 7; minimum discharge, 2,310 ft³/s Sept. 20, gage height, 1.15 ft, from graph based on gage readings.

[illegible]

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.20	2.84	12.55	---	6.37	11.84	9.53	6.81	13.93	5.96	5.85	3.80
2	2.13	2.84	12.75	---	6.73	11.30	10.18	6.91	13.35	6.98	5.45	4.23
3	2.06	3.09	13.30	---	7.57	11.15	10.26	6.94	13.04	9.36	5.77	4.68
4	2.01	3.68	16.98	---	9.25	10.45	10.11	6.81	12.54	12.40	5.58	4.86
5	1.96	3.93	17.35	---	10.80	10.34	9.96	6.84	11.38	13.21	5.52	4.38
6	1.89	4.30	17.95	---	11.37	10.45	9.44	6.80	10.54	13.20	5.76	3.77
7	2.20	5.27	18.10	---	11.06	12.41	9.00	7.15	9.85	12.50	5.75	2.92
8	2.70	6.18	17.75	---	10.30	13.25	8.32	8.84	9.20	12.24	5.05	2.52
9	2.75	5.75	17.20	---	9.93	13.35	8.08	10.47	9.21	12.34	4.64	2.49
10	2.67	5.01	16.53	---	10.77	13.55	7.60	10.44	9.43	12.63	3.95	2.38
11	2.70	4.56	15.95	---	10.65	13.88	7.65	10.05	9.50	12.61	3.61	1.95
12	2.85	3.40	15.81	10.40	10.26	13.57	8.11	9.20	9.35	12.65	3.62	1.63
13	2.83	3.20	15.80	10.59	9.97	12.53	8.18	9.25	8.20	12.40	3.69	1.54
14	3.10	3.15	15.75	10.67	9.51	12.66	8.00	8.60	7.36	11.46	3.46	1.53
15	3.18	3.10	15.88	9.50	9.39	11.55	7.15	8.15	6.90	10.74	3.24	1.97
16	3.06	3.00	15.75	8.58	8.90	11.25	5.86	8.40	6.11	10.49	3.43	2.23
17	2.76	2.74	14.80	8.34	8.10	11.09	5.63	7.35	6.31	10.70	3.60	2.62
18	2.37	2.37	14.23	8.30	6.75	11.06	5.70	8.10	6.85	10.90	3.52	2.72
19	2.19	2.23	13.85	8.32	6.38	10.62	6.26	8.90	6.84	10.83	3.48	1.92
20	2.11	2.53	13.16	8.26	6.78	9.98	6.31	11.65	6.85	10.64	3.56	1.23
21	2.04	2.60	12.33	7.82	6.79	9.15	6.14	13.26	7.20	10.74	3.65	1.52
22	1.93	2.54	11.83	7.53	6.86	8.40	6.08	14.26	7.62	10.66	3.65	1.77
23	1.75	3.15	11.60	7.67	8.20	8.20	5.68	14.55	6.35	9.91	3.66	1.48
24	1.70	4.20	11.17	7.61	12.10	8.12	5.64	15.02	5.73	9.68	3.71	1.37
25	1.74	4.80	11.41	7.65	13.25	8.17	5.70	15.35	5.71	9.21	3.75	1.57
26	1.92	5.05	11.80	7.50	13.10	8.34	5.80	15.22	5.61	8.94	3.57	1.73
27	2.15	5.13	12.18	7.18	13.03	8.63	6.18	15.10	5.56	8.54	3.47	1.98
28	2.27	5.57	12.57	7.14	12.73	8.48	7.08	15.04	5.51	8.46	3.21	1.88
29	2.40	9.48	13.05	6.63	---	8.38	7.50	14.77	5.68	7.43	3.07	1.74
30	2.67	12.10	13.97	6.27	---	8.50	6.86	14.64	5.76	6.42	3.25	1.67
31	2.89	---	---	6.32	---	9.38	---	14.42	---	6.51	3.38	---
MAX	3.18	12.10	18.10	---	13.25	13.88	10.26	15.35	13.93	13.21	5.85	4.86
MIN	1.70	2.23	11.17	6.27	6.37	8.12	5.63	6.80	5.51	5.96	3.07	1.23

RED RIVER BASIN

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07344400 RED RIVER NEAR HOSSTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1957 to current year.

WATER TEMPERATURES: March 1957 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,030 micromhos June 24, 1978; minimum daily, 124 micromhos Apr. 24, 1979.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,130 micromhos Sept. 15, 16, 28; minimum daily, 159 micromhos Dec. 14.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	871	852	201	---	406	217	552	634	520	923	735	761
2	817	---	---	---	410	217	501	480	526	920	883	760
3	---	802	255	---	464	217	492	479	495	684	876	703
4	791	768	224	---	252	264	403	352	849	684	903	698
5	859	847	---	---	395	265	327	349	611	281	895	911
6	851	833	183	---	317	248	458	791	612	263	928	911
7	819	---	203	---	229	249	458	793	727	429	930	919
8	817	809	185	---	194	217	382	528	713	431	825	921
9	899	603	173	---	230	225	382	958	765	377	827	919
10	---	562	---	---	218	254	409	344	762	380	965	913
11	820	508	---	---	185	204	381	339	728	382	963	976
12	871	513	---	185	190	205	484	339	730	408	947	972
13	883	531	160	216	200	182	491	409	764	321	947	963
14	837	---	159	253	197	175	487	299	766	320	924	956
15	836	505	178	295	191	164	613	298	666	393	926	1130
16	710	492	193	274	207	170	613	266	666	397	864	1130
17	---	508	187	315	226	179	461	265	719	345	860	756
18	744	547	176	315	307	183	461	286	721	345	961	763
19	727	490	---	350	314	213	472	275	816	395	966	722
20	725	585	196	333	292	207	472	286	817	390	787	713
21	745	---	204	351	278	285	417	277	1120	374	795	976
22	746	642	193	345	276	285	418	197	1120	371	804	985
23	797	---	206	335	261	254	435	210	627	376	802	1050
24	---	344	217	317	378	251	384	325	626	375	879	1050
25	773	---	---	306	279	389	351	327	922	447	866	920
26	787	---	---	300	245	384	351	357	921	448	886	916
27	810	403	169	313	245	533	428	358	1060	530	882	1120
28	807	---	---	332	224	534	392	353	1060	525	870	1130
29	846	311	162	349	---	527	481	351	1060	637	870	1030
30	809	267	201	398	---	549	462	478	1060	645	853	1030
31	---	---	189	412	---	598	---	519	---	736	854	---
MEAN					272	285	447	404	785	469	880	923
MAX	899				464	598	613	958	1120	923	966	1130
MIN	710				185	164	327	197	495	263	735	698

07344400 RED RIVER NEAR HOSSTON, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	---	---	---	10.0	11.0	15.5	15.5	22.0	27.0	28.5	29.0
2	---	---	---	---	9.0	15.5	15.5	17.0	22.0	27.0	28.5	29.0
3	---	---	---	---	11.0	16.5	15.5	18.5	24.0	27.0	28.5	29.0
4	24.5	15.5	---	---	7.0	16.5	16.0	19.5	24.0	27.0	28.5	29.0
5	24.5	---	---	---	5.5	15.5	16.5	20.0	24.5	27.0	28.5	28.0
6	---	---	13.5	---	5.5	15.5	16.5	21.0	24.5	27.0	28.5	28.0
7	---	---	---	---	5.5	16.5	16.5	21.0	24.0	27.0	28.5	28.0
8	---	---	---	---	7.0	15.5	15.5	20.0	24.5	26.5	28.5	28.0
9	24.5	15.5	---	---	10.0	15.5	15.5	20.0	25.5	26.5	28.5	28.0
10	---	15.5	---	---	10.0	16.5	15.5	20.0	25.5	27.0	28.5	28.0
11	---	---	---	---	10.0	16.5	15.5	20.5	25.5	27.0	28.5	28.0
12	---	---	---	9.0	10.0	15.5	15.5	21.0	25.0	27.0	28.5	28.0
13	24.0	---	---	14.0	10.0	15.5	15.5	21.0	25.5	27.0	28.5	27.0
14	---	---	---	11.0	11.0	16.0	15.5	22.0	25.5	27.0	28.5	27.0
15	---	---	---	10.0	11.0	15.5	15.5	21.5	26.0	27.0	28.0	24.5
16	22.0	11.0	15.0	10.0	10.0	15.5	15.5	21.0	25.5	27.0	28.5	24.5
17	---	---	---	11.5	10.0	15.5	15.5	21.0	26.0	27.0	28.5	24.5
18	---	13.5	---	10.0	10.0	16.5	15.5	21.0	26.0	27.0	28.5	24.5
19	---	---	---	7.0	11.0	15.5	15.5	21.5	26.0	27.0	28.5	25.0
20	---	14.5	---	5.5	11.0	15.5	15.5	21.5	26.5	27.0	28.5	24.5
21	---	---	---	6.0	11.0	15.5	16.5	21.0	26.5	27.0	28.5	18.5
22	---	---	---	5.5	10.0	14.5	16.5	21.5	26.5	27.0	28.5	18.5
23	---	---	---	8.0	13.0	15.5	16.5	22.0	26.5	28.0	28.5	19.5
24	---	---	---	7.0	13.0	15.5	16.5	22.0	26.5	28.0	28.5	19.5
25	---	---	---	7.0	13.0	15.5	16.5	23.0	26.5	28.0	28.5	21.5
26	21.0	---	---	8.0	11.5	15.0	16.5	23.0	26.5	27.0	28.5	21.5
27	---	---	---	8.0	10.0	14.5	16.0	23.5	26.5	28.0	28.5	23.5
28	---	---	---	7.0	13.0	15.0	16.0	24.0	26.5	28.0	28.5	23.5
29	---	10.5	---	10.0	---	15.5	16.0	24.0	26.5	28.5	28.5	24.0
30	---	---	---	10.0	---	15.5	15.5	24.0	27.0	28.5	29.0	24.0
31	---	---	---	9.0	---	15.5	---	24.0	---	28.5	29.0	---
MEAN					10.0	15.5	16.0	21.0	25.5	27.5	28.5	25.0
MAX					13.0	16.5	16.5	24.0	27.0	28.5	29.0	29.0
MIN					5.5	11.0	15.5	15.5	22.0	26.5	28.0	18.5

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

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

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

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 20...	0845	739	7.6	21.0	80	30	<1.0	8.6	72	3.9	1900	K70
NOV 18...	0730	482	7.0	12.0	120	70	<1.0	9.7	43	2.3	1200	K360
DEC 07...	1545	174	6.7	14.5	240	250	<1.0	7.4	54	4.5	2800	620
JAN 12...	0745	168	7.0	9.0	80	65	<1.0	12.0	19	3.2	260	K120
FEB 16...	1045	187	6.8	9.5	100	90	<1.0	10.7	21	2.0	--	K110
MAR 08...	1300	250	7.0	15.0	80	200	<1.0	8.5	21	--	1000	640
APR 05...	1445	442	7.2	16.0	40	90	<1.0	9.6	15	2.0	1000	K170
MAY 11...	1600	289	7.2	21.5	30	65	<1.0	9.1	29	2.0	980	96
JUN 07...	0930	712	7.2	24.0	15	130	<1.0	7.6	44	.8	1000	K32
JUL 13...	0730	305	7.3	28.0	40	150	<1.0	6.3	23	1.0	1000	K160
AUG 09...	1500	827	7.9	31.5	5	25	<1.0	8.7	40	1.9	280	47
SEP 07...	1430	966	7.9	29.0	15	10	<1.0	7.8	32	3.0	K400	K80

DATE	HAZARD- FREE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 20...	210	59	14	143	83	110	61	--	.04	<.1	.7	.08
NOV 18...	130	40	8.0	109	40	56	64	.15	.05	.2	.6	.08
DEC 07...	54	17	2.9	70	11	12	447	.35	.15	.5	.5	.23
JAN 12...	56	18	2.7	48	14	9.0	190	.26	.04	.3	<.1	.16
FEB 16...	61	19	3.4	51	18	11	205	.33	.07	.4	.7	.14
MAR 08...	79	25	3.9	75	24	19	412	.41	.09	.5	1.0	.18
APR 05...	110	34	6.7	75	50	55	104	.26	.04	.3	.3	.14
MAY 11...	81	24	5.2	62	32	36	165	.16	.04	.2	.3	.09
JUN 07...	180	50	14	86	90	110	174	.25	.05	.3	.5	.06
JUL 13...	90	27	5.4	62	31	34	243	.21	.09	.3	.4	.14
AUG 09...	220	59	17	129	92	120	68	--	.02	<.1	.5	.05
SEP 07...	250	68	20	159	99	140	12	--	.02	<.1	2.6	.07

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

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CH)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 20...	4	3	<10	<1	2	<1	10	<1	9	5	43	20
NOV 18...	5	3	<10	<1	--	3	10	<1	8	1	83	12
DEC 07...	2	1	<10	<1	1	<1	20	<1	25	7	110	12
JAN 12...	2	1	10	<1	1	<1	10	<1	9	3	84	15
FEB 16...	2	1	<10	<1	2	<1	10	<1	8	5	140	11
MAR 08...	2	1	<10	<1	3	<1	10	<1	16	8	75	20
APR 05...	2	1	<10	<1	1	<1	10	<1	6	5	87	11
MAY 11...	1	1	<10	<1	1	<1	10	<1	9	2	83	16
JUN 07...	2	1	<10	<1	<1	1	20	<1	13	8	23	23
JUL 13...	2	1	<10	<1	2	<1	<10	<1	7	4	57	9
AUG 09...	2	1	<10	<1	6	2	10	<1	11	8	15	12
SEP 07...	2	2	<10	<1	1	<1	<10	<1	8	2	20	4

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 20...	5	.2	.2	6	2	<1	<1	--	40	11	11
NOV 18...	1	<.1	<.1	7	3	<1	<1	3.1	50	40	--
DEC 07...	1	<.1	<.1	34	2	<1	<1	2.8	90	11	13
JAN 12...	15	.1	<.1	7	2	<1	<1	2.4	50	8	6.1
FEB 16...	10	<.1	.1	9	2	<1	<1	.6	20	8	6.1
MAR 08...	3	<.1	.1	13	6	<1	<1	1.0	50	14	12
APR 05...	5	.2	.1	10	1	<1	<1	.6	40	9	9.8
MAY 11...	2	<.1	<.1	12	4	<1	<1	1.0	60	30	6.7
JUN 07...	<1	<.1	<.1	8	1	<1	<1	--	140	8	9.1
JUL 13...	7	<.1	<.1	8	2	<1	<1	1.6	30	6	12
AUG 09...	4	<.1	<.1	3	1	<1	<1	--	30	18	--
SEP 07...	1	.2	.3	5	2	<1	<1	--	30	4	5.8

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECUV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.01	<1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
NOV 18...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
DEC 07...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
JAN 12...	<.01	<1	1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
FEB 16...	<.01	3	<1	<.1	--	<.1	--	<.001	--	<.1	--
MAR 08...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
APR 05...	<.01	<1	1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
MAY 11...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
JUN 07...	<.01	1	1	<.1	--	<.1	--	<.001	--	<.1	--
JUL 13...	<.01	1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
AUG 09...	<.01	<1	4	<.1	--	<.1	--	<.001	--	<.1	--
SEP 07...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--

DATE	DDO, TOTAL (UG/L)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 20...	<.001	.2	<.001	.5	<.001	.1	<.01	<.1	<.001	<.1	<.001
NOV 18...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
DEC 07...	<.001	--	<.001	--	<.001	--	<.01	--	.002	--	<.001
JAN 12...	<.001	<.1	<.001	<.1	<.001	.1	<.01	<.1	<.001	<.1	<.001
FEB 16...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
MAR 08...	<.001	--	<.001	--	<.001	--	<.01	--	.004	--	<.001
APR 05...	<.001	<.1	<.001	<.1	<.001	.4	<.01	<.1	<.001	<.1	<.001
MAY 11...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
JUN 07...	<.001	--	<.001	--	<.001	--	.01	--	<.001	--	<.001
JUL 13...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001
AUG 09...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
SEP 07...	<.001	--	<.001	--	<.001	--	.05	--	<.001	--	<.001

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ENDOS- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
NOV 18...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
DEC 07...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JAN 12...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
FEB 16...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
MAR 08...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
APR 05...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
MAY 11...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JUN 07...	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
JUL 13...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	.16	<.1
AUG 09...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
SEP 07...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
NOV 18...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
DEC 07...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
JAN 12...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
FEB 16...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
MAR 08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
APR 05...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	.08
MAY 11...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
JUN 07...	.01	--	<.01	--	.01	--	.01	--	<.01	--	.01
JUL 13...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
AUG 09...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
SEP 07...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
20...	<.1	<.1	<1	<1	<10	<.01	<.1	.04	<.01	<.01	<.01
NOV											
18...	--	<.1	--	<1	--	<.01	--	.07	<.01	<.01	<.01
DEC											
07...	--	<.1	--	<1	--	<.01	--	.01	<.01	<.01	<.01
JAN											
12...	<.1	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01
FEB											
16...	--	<.1	--	<1	--	<.01	--	.01	<.01	<.01	<.01
MAR											
08...	--	<.1	--	<1	--	<.01	--	.03	<.01	<.01	<.01
APR											
05...	<.1	<.1	<1	<1	<10	<.01	<.1	.04	<.01	<.01	<.01
MAY											
11...	--	<.1	--	<1	--	<.01	--	.02	<.01	<.01	<.01
JUN											
07...	--	<.1	--	<1	--	.01	--	.02	<.01	<.01	<.01
JUL											
13...	<.1	<.1	<1	<1	<10	<.01	<.1	.01	.01	.01	<.01
AUG											
09...	--	<.1	--	<1	--	<.01	--	.02	<.01	<.01	<.01
SEP											
07...	--	<.1	--	<1	--	<.01	--	.03	<.01	<.01	<.01

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

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

LOCATION.--Lat 32°31'00", long 93°58'20", in SE1/4SW1/4 sec.26, T.18 N., R.16 W., Caddo Parish, Hydrologic Unit 11140304, near center of span on downstream side of bridge on State Highway 169, 1.0 mi upstream from Cross Lake, 5.1 mi north of Greenwood, and 11 mi west of Shreveport.

DRAINAGE AREA.--80.5 mi².

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

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

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

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--28 years, 64.6 ft³/s, 10.90 in/yr, 46,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s Apr. 27, 1958, gage height, 13.84 ft from rating curve extended above 8,100 ft³/s; no flow at times each year.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 12	1445	1270	9.43	Feb. 10	1530	1840	10.14
Dec. 27	1045	2170	10.37	Feb. 22	1215	1570	9.84
Feb. 2	0330	1600	9.88	May 22	1400	1340	9.54
Feb. 6	0815	*2930	*10.76				

No flow Oct. 1-9, July 28 to Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.5	42	61	383	20	31	5.6	16	22	.00	.00
2	.00	3.0	48	55	1270	17	30	5.4	13	8.5	.00	.00
3	.00	34	511	52	660	16	29	5.5	10	6.4	.00	.00
4	.00	34	813	42	133	16	21	5.0	8.0	4.6	.00	.00
5	.00	9.4	799	33	573	250	20	4.4	25	3.2	.00	.00
6	.00	3.6	280	29	2160	180	25	3.8	295	2.7	.00	.00
7	.00	1.8	63	27	1060	100	27	3.4	453	2.1	.00	.00
8	.00	.90	33	26	494	60	25	3.1	101	2.0	.00	.00
9	.00	.51	27	25	253	33	21	2.8	22	1.8	.00	.00
10	.11	.40	24	24	1450	24	18	2.3	13	1.3	.00	.00
11	4.7	.32	377	22	1110	21	15	4.1	8.8	.95	.00	.00
12	3.1	.28	1110	19	530	19	13	12	6.1	.68	.00	.00
13	2.0	.24	921	17	130	18	12	14	4.8	.50	.00	.00
14	1.3	.19	395	16	72	17	12	8.1	4.0	.78	.00	.00
15	1.2	.15	251	16	55	17	11	9.4	3.6	.87	.00	.00
16	1.1	.16	446	15	43	16	9.2	11	3.2	.88	.00	.00
17	.74	.70	316	14	35	16	7.7	8.6	3.0	.81	.00	.00
18	.46	2.2	83	14	29	16	6.8	7.5	3.5	.63	.00	.00
19	.32	11	52	14	25	15	6.5	33	4.0	.50	.00	.00
20	.32	26	38	16	23	16	6.1	128	3.0	.40	.00	.00
21	.19	30	30	18	219	20	5.9	335	2.5	.29	.00	.00
22	.19	14	25	18	1310	19	6.1	1050	2.0	.22	.00	.00
23	.23	9.1	24	17	1090	44	30	1030	1.7	.16	.00	.00
24	.17	12	30	16	626	256	38	449	1.6	.12	.00	.00
25	.13	32	57	15	152	262	19	52	2.7	.09	.00	.00
26	.10	16	594	16	50	102	12	24	3.4	.06	.00	.00
27	.06	85	1950	18	30	228	8.6	17	21	.01	.00	.00
28	.08	325	1660	18	24	166	6.9	14	12	.00	.00	.00
29	.52	567	949	18	---	51	6.3	13	7.8	.00	.00	.00
30	.71	300	387	18	---	34	5.9	23	45	.00	.00	.00
31	2.1	---	95	21	---	32	---	25	---	.00	.00	---
TOTAL	19.83	1521.45	12430	730	13989	2101	485.0	3309.0	1099.7	62.55	.00	.00
MEAN	.64	50.7	401	23.5	500	67.8	16.2	107	36.7	2.02	.000	.000
MAX	4.7	567	1950	61	2160	262	38	1050	453	22	.00	.00
MIN	.00	.15	24	14	23	15	5.9	2.3	1.6	.00	.00	.00
CFSM	.008	.63	4.98	.29	6.21	.84	.20	1.33	.46	.03	.000	.000
IN	.01	.70	5.74	.34	6.46	.97	.22	1.53	.51	.03	.00	.00
AC-FT	39	3020	24650	1450	27750	4170	962	6560	2180	124	.00	.00

CAL YR 1982	TOTAL	20973.63	MEAN	57.5	MAX	1950	MIN	.00	CFSM	.71	IN	9.69	AC-FT	41600
WTR YR 1983	TOTAL	35747.53	MEAN	97.9	MAX	2160	MIN	.00	CFSM	1.22	IN	16.52	AC-FT	70910

RED RIVER BASIN

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07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	1.67	3.66	4.03	7.15	---	3.29	1.94	2.49	2.92	1.10	.87
2	.69	1.73	3.67	3.85	9.43	---	3.24	1.93	2.33	2.28	1.04	.87
3	.68	3.33	7.88	3.76	8.33	---	3.19	1.93	2.17	2.14	.94	.87
4	.68	3.39	8.68	3.39	5.55	---	2.85	1.88	2.01	1.98	.95	.87
5	.69	2.34	8.65	3.09	7.42	---	2.82	1.82	2.55	1.83	.91	.87
6	.69	1.88	6.82	2.93	10.30	---	3.04	1.75	7.17	1.75	.91	.87
7	.70	1.65	4.29	2.83	9.10	---	3.11	1.70	7.84	1.66	1.10	.87
8	.73	1.50	3.31	2.78	7.85	---	3.02	1.66	4.89	1.65	1.03	.86
9	.83	1.42	3.02	2.74	6.57	---	2.87	1.61	2.92	1.62	.97	.86
10	.79	1.38	2.88	2.69	9.62	---	2.70	1.54	2.48	1.55	.91	.86
11	1.95	1.34	7.13	2.60	9.18	2.73	2.55	1.77	2.24	1.48	.90	.86
12	1.76	1.32	9.18	2.48	7.98	2.61	2.44	2.37	2.03	1.43	.89	.86
13	1.59	1.31	8.88	2.37	5.61	2.55	2.39	2.48	1.91	1.38	.92	.86
14	1.48	1.28	7.41	2.31	4.51	2.53	2.37	2.14	1.84	1.45	.93	.86
15	1.47	1.27	6.87	2.29	4.01	2.50	2.31	2.22	1.78	1.47	.89	.85
16	1.44	1.27	7.82	2.26	3.64	2.48	2.21	2.35	1.74	1.47	.89	.85
17	1.37	1.45	7.12	2.21	3.35	2.46	2.11	2.17	---	1.45	.89	.85
18	1.30	1.66	4.61	2.18	3.11	2.44	2.05	2.08	---	1.41	.88	.85
19	1.24	2.41	3.76	2.18	2.96	2.39	2.02	3.28	---	1.38	.92	.85
20	1.24	3.08	3.27	2.28	2.87	2.46	1.99	5.65	---	1.35	.89	.85
21	1.18	3.26	2.94	2.42	5.45	2.68	1.97	7.27	---	1.30	.88	.85
22	1.18	2.55	2.75	2.42	9.47	2.60	1.99	9.06	---	1.27	.88	.85
23	1.20	2.27	2.70	2.37	9.16	3.38	3.07	9.06	1.51	1.24	.88	.85
24	1.18	2.40	2.96	2.31	8.27	7.00	3.55	7.53	1.51	1.22	.88	.85
25	1.16	3.32	3.84	2.26	6.04	6.97	2.76	3.91	1.66	---	.96	.85
26	1.14	2.63	7.93	2.31	---	5.21	2.38	2.88	1.76	---	1.07	.85
27	1.13	4.43	10.20	2.41	---	6.83	2.17	2.55	2.82	1.17	1.03	.85
28	1.14	7.38	9.92	2.42	---	6.06	2.06	2.38	2.43	1.15	.89	.85
29	1.31	8.14	8.92	2.43	---	3.98	2.00	2.33	2.17	1.14	.88	.85
30	1.32	6.77	7.37	2.42	---	3.38	1.97	2.79	3.77	1.14	.88	.85
31	1.61	---	4.88	2.52	---	3.34	---	2.92	---	1.12	.88	---
MAX	1.95	8.14	10.20	4.03	10.30	7.00	3.55	9.06	7.84	2.92	1.10	.87
MIN	.68	1.27	2.70	2.18	2.87	2.39	1.97	1.54	---	1.12	.88	.85

RED RIVER BASIN

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

LOCATION.--Lat 32°38'45", long 93°52'40", in NW1/4NW1/4 sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi downstream from Cottonwood Bayou, 4.2 mi southwest of Dixie, 5.5 mi downstream from Caddo Lake, and 17.3 mi upstream from mouth.

DRAINAGE AREA.--3,137 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

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

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

REMARKS.--Records good. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft is available for storage) since August 1957.

AVERAGE DISCHARGE.--41 years, 2,547 ft³/s, 1,845,000 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,400 ft³/s Dec. 28, Feb. 11; maximum gage height, 26.73 ft Dec. 28, minimum daily, 6.4 ft³/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	21	2060	8860	4870	6700	6070	800	3050	951	29	9.6
2	12	36	2170	8260	6150	6070	6450	740	2800	822	21	9.6
3	7.7	53	5450	7340	5640	5420	5340	740	2610	740	17	9.9
4	6.4	57	7800	6540	4970	5010	5030	700	2410	664	18	11
5	7.7	50	8530	5710	6000	5790	5200	660	2180	955	16	12
6	11	41	8760	5120	8640	6190	4930	650	2140	1060	23	12
7	18	34	8810	4740	8810	6050	4610	650	1930	899	27	12
8	28	26	8550	4390	8630	5790	4350	850	1690	842	23	11
9	23	23	7840	4080	8740	5890	4270	1000	1510	727	21	11
10	15	21	7270	3910	10700	5610	3770	950	1440	782	26	12
11	12	21	8290	3690	11300	5170	3370	900	1300	977	28	11
12	15	19	9010	3380	11200	5050	3020	850	1200	840	24	10
13	14	14	8490	3230	10800	5110	2790	800	1100	737	24	8.2
14	13	12	7820	3230	10200	5000	2830	800	1000	852	22	8.3
15	13	11	7640	3130	9660	5060	2310	750	850	724	22	9.0
16	13	13	7280	3090	9120	4950	2030	700	750	800	19	9.6
17	12	32	6630	3070	8450	4960	1840	700	600	850	18	10
18	12	37	6170	2770	7770	4680	1640	650	500	820	19	16
19	13	332	5680	2730	7140	4310	1300	1000	400	800	19	23
20	13	936	5150	2850	6420	4630	1320	1500	350	750	16	15
21	11	743	4700	3060	6750	4350	1330	2500	300	650	14	8.3
22	11	595	4350	3170	9650	3830	1390	3000	275	550	14	8.0
23	8.9	616	4030	3050	10100	3840	2570	4200	339	500	14	7.8
24	8.8	622	3910	2860	9650	4700	2000	4400	320	450	12	8.5
25	9.2	637	4400	2810	9000	4850	1500	4300	326	400	12	10
26	10	620	7330	2820	8440	5320	1200	4270	478	318	12	9.6
27	12	1460	10000	2860	8050	6110	1100	4140	621	247	12	8.6
28	17	2840	11300	2690	7460	5610	1000	4010	599	150	12	8.3
29	33	2720	11200	2880	---	5380	900	3780	789	100	11	8.1
30	29	2420	10600	2740	---	5580	800	3470	990	80	11	7.5
31	25	---	9690	2670	---	5640	---	3050	---	50	10	---
TOTAL	441.4	15062	220910	121730	234310	162650	86260	57510	34847	20087	566	314.9
MEAN	14.2	502	7126	3927	8368	5247	2875	1855	1162	648	18.3	10.5
MAX	33	2840	11300	8860	11300	6700	6450	4400	3050	1060	29	23
MIN	6.4	11	2060	2670	4870	3830	800	650	275	50	10	7.5
AC-FT	876	29880	438200	241500	464800	322600	171100	114100	69120	39840	1120	625

CAL YR 1982 TOTAL 538230.6 MEAN 1475 MAX 11300 MIN 6.4 AC-FT 1068000
WTR YR 1983 TOTAL 954688.3 MEAN 2616 MAX 11300 MIN 6.4 AC-FT 1894000

RED RIVER BASIN

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07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.60	4.69	13.45	23.51	15.92	19.72	18.13	---	14.94	8.12	4.65	4.51
2	4.63	4.78	13.48	22.60	18.10	18.71	18.89	---	14.01	8.10	4.60	4.51
3	4.60	4.88	17.89	21.21	17.37	17.58	17.16	---	13.34	10.46	4.58	4.51
4	4.59	4.90	21.60	20.03	16.38	16.84	16.57	---	12.67	12.48	4.58	4.52
5	4.60	4.86	23.44	18.79	18.49	17.93	16.78	---	11.41	12.54	4.57	4.53
6	4.62	4.81	24.25	17.89	22.81	18.54	16.32	---	10.65	11.88	4.62	4.54
7	4.67	4.77	24.56	16.78	23.03	18.69	15.63	---	9.83	11.17	4.65	4.54
8	4.74	4.72	24.32	15.94	22.43	18.89	15.13	---	9.37	11.11	4.62	4.53
9	4.70	4.70	23.42	15.56	22.42	19.26	15.00	---	9.07	11.33	4.60	4.52
10	4.65	4.69	22.52	15.23	25.32	18.82	14.13	---	8.95	11.78	4.65	4.53
11	4.63	4.69	23.59	14.80	26.30	18.11	13.42	---	---	11.35	4.65	4.52
12	4.65	4.68	24.39	14.22	26.10	17.79	12.79	---	---	10.54	4.63	4.51
13	4.64	4.64	23.55	13.87	25.37	17.59	12.36	---	---	10.07	4.63	4.50
14	4.64	4.63	22.67	13.68	24.42	17.23	12.44	---	---	9.70	4.61	4.50
15	4.64	4.62	22.77	13.35	23.53	17.03	11.38	---	---	8.92	4.61	4.51
16	4.63	4.64	22.00	13.10	22.64	16.75	10.77	---	---	9.03	4.59	4.51
17	4.63	4.76	21.04	12.93	21.55	16.72	10.36	---	---	9.20	4.58	4.52
18	4.63	4.79	20.25	12.38	20.50	16.25	9.90	---	---	9.17	4.59	4.56
19	4.64	6.03	19.39	12.29	19.55	15.41	9.00	---	---	9.03	4.59	4.62
20	4.64	8.07	18.49	12.49	18.47	15.72	9.03	---	---	8.63	4.56	4.56
21	4.62	7.48	17.56	12.85	19.01	15.22	9.10	---	---	8.68	4.55	4.50
22	4.62	6.93	16.71	13.01	23.56	14.28	9.24	---	5.60	8.57	4.55	4.50
23	4.60	6.99	15.97	12.79	24.31	14.26	11.82	---	5.85	8.21	4.55	4.50
24	4.60	7.02	15.38	12.45	23.78	15.71	10.75	---	5.78	---	4.54	4.50
25	4.61	7.06	16.04	12.35	23.36	16.08	---	17.92	5.81	---	4.54	4.52
26	4.62	7.01	20.65	12.36	22.64	16.83	---	17.79	6.39	6.58	4.53	4.51
27	4.63	9.17	24.67	12.45	21.88	18.13	---	17.38	6.91	6.03	4.54	4.50
28	4.66	12.42	26.58	12.10	20.91	17.39	---	17.08	6.83	---	4.53	4.50
29	4.77	12.26	26.43	12.44	---	16.98	---	16.69	7.63	---	4.52	4.50
30	4.74	13.04	25.42	12.21	---	17.33	---	16.14	8.18	---	4.52	4.49
31	4.71	---	24.49	12.06	---	17.48	---	15.54	---	---	4.51	---
MAX	4.77	13.04	26.58	23.51	26.30	19.72	18.89	---	14.94	12.54	4.65	4.62
MIN	4.59	4.62	13.45	12.06	15.92	14.26	9.00	---	5.60	---	4.51	4.49

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1981.

WATER TEMPERATURES: April 1978 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 19...	1700	15	2220	7.5	19.0	15	4.6	10.8	3.7	K56	1600
JAN 12...	0900	3390	116	6.2	9.0	80	21	9.9	1.3	K10	290
APR 05...	1300	5300	139	6.1	17.0	40	20	10.2	1.6	K10	1100
JUL 12...	1630	730	169	6.8	30.5	20	3.7	7.3	1.6	K8	440

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 19...	520	100	66	250	3.1	241	180	480	.3	8.5
JAN 12...	23	5.2	2.4	11	2.8	10	15	16	<.1	12
APR 05...	26	5.9	2.7	12	2.6	8	20	20	.1	7.1
JUL 12...	36	8.6	3.5	18	2.4	23	10	28	<.1	8.2

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 19...	1310	1230	<.1	.04	.6	.06	.03	.02	30	2
JAN 12...	--	71	<.1	.06	.3	.31	.03	.02	<10	1
APR 05...	87	74	<.1	.08	.5	.06	.02	.01	30	<1
JUL 12...	108	93	<.1	.03	.6	.06	.03	<.01	<10	1

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

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

RED RIVER BASIN

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07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	HARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CH)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 19...	300	<1	1	--	3	5	30	4	20
JAN 12...	60	<1	<1	--	<3	4	360	20	<4
APR 05...	66	1	1	<1	3	6	520	9	6
JUL 12...	100	<1	<1	<1	<3	5	120	3	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 19...	820	.1	--	2	<1	<1	1700	--	20
JAN 12...	92	1.0	<10	2	<1	<1	91	<6	15
APR 05...	21	.3	10	2	<1	<1	110	6	7
JUL 12...	18	.3	<10	6	<1	<1	160	<6	6

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	210	8.5	98
JAN 12...	33	302	76
APR 05...	36	515	78
JUL 12...	43	85	98

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

RED RIVER BASIN

07348010 TWELVEMILE BAYOU BELOW DIXIE, LA

LOCATION.--Lat 32°36'25", long 93°48'35", in NW1/4SW1/4 sec.28, T.19 N., R.14 W., Caddo Parish, Hydrologic Unit 11140304, at bridge on U.S. Highway 71, 4.0 mi downstream from gaging station Twelvemile Bayou near Dixie (Station 07378000) and 6.0 mi southeast of Dixie.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1979 to current year (gage heights only). February 1962 to September 1979 (annual maximums). Unpublished daily gage heights, August 1978 to September 1979, in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 134.00 ft National Geodetic Vertical Datum of 1929. Prior to August 1978, nonrecording gage at same site at datum 134.00 ft higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 36.54 ft, present datum, May 7, 1966; minimum, 0.47 ft Sept. 25, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.95 ft Dec. 28; minimum, 6.12 ft Oct. 6, 23, 26, but may have been less during period of no gage-height record, Oct. 1-5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.19	13.77	20.96	13.17	17.30	15.17	8.82	15.15	8.14	6.27	6.16
2	---	6.27	13.73	20.20	14.85	16.44	16.03	8.62	14.26	8.76	6.22	6.16
3	---	6.36	16.23	19.05	14.49	15.42	14.76	8.75	13.61	12.47	6.20	6.16
4	---	6.37	19.16	18.01	13.95	14.82	14.21	8.37	13.00	13.98	6.21	6.16
5	---	6.33	21.34	17.16	16.21	15.39	14.25	8.09	11.65	13.77	6.21	6.16
6	6.14	6.29	22.34	16.46	19.99	15.83	13.89	7.89	10.64	12.95	6.25	6.17
7	6.18	6.26	22.74	15.19	20.14	16.43	13.17	7.99	9.69	12.33	6.28	6.17
8	6.23	6.23	22.61	14.34	19.24	17.20	12.75	9.23	9.40	12.33	6.25	6.16
9	6.21	6.21	21.92	14.25	18.96	17.71	12.67	9.67	9.32	12.69	6.23	6.16
10	6.17	6.18	21.15	13.99	21.39	17.33	12.03	9.50	9.27	13.12	6.27	6.17
11	6.15	6.18	21.84	13.64	22.17	16.73	11.53	9.16	9.26	12.45	6.28	6.16
12	6.17	6.20	22.27	13.20	21.74	16.37	11.08	8.73	8.78	11.70	6.26	6.16
13	6.16	6.16	21.51	12.89	20.96	15.98	10.77	7.93	8.01	11.30	6.26	6.15
14	6.16	6.15	20.86	12.51	20.14	15.54	10.85	7.52	7.85	10.71	6.24	6.14
15	6.16	6.14	21.20	12.08	19.36	15.08	10.15	7.66	7.80	10.00	6.24	6.14
16	6.15	6.15	20.42	11.63	18.54	14.76	9.74	7.52	7.62	---	6.22	6.15
17	6.15	6.26	19.62	11.29	17.54	14.68	9.46	7.30	7.49	---	6.21	6.15
18	6.15	6.29	18.90	10.90	16.64	14.34	9.19	7.79	7.32	---	6.21	6.18
19	6.15	6.87	18.12	10.80	15.89	13.50	8.47	10.93	7.13	---	6.21	6.25
20	6.17	8.08	17.34	10.89	15.05	13.35	8.45	13.08	7.02	---	6.20	6.21
21	6.15	7.76	16.46	11.07	15.56	12.96	8.63	14.97	6.87	---	6.20	6.16
22	6.15	7.44	15.63	11.14	19.53	12.24	8.68	16.64	6.78	---	6.19	6.14
23	6.13	7.42	14.95	10.98	20.24	12.16	10.21	17.42	6.92	---	6.19	6.14
24	6.13	7.47	14.24	10.73	20.07	13.15	10.34	17.86	6.92	---	6.18	6.14
25	6.13	7.46	14.52	10.64	20.45	13.58	10.01	17.77	6.92	---	6.18	6.16
26	6.13	7.44	18.04	10.64	19.98	14.04	9.78	17.63	7.32	7.96	6.17	6.15
27	6.14	8.65	21.25	10.70	19.18	15.08	9.56	17.22	7.50	7.44	6.17	6.14
28	6.16	10.74	22.82	10.47	18.29	14.58	9.39	16.96	7.45	6.83	6.17	6.14
29	6.28	10.79	22.74	10.68	---	14.24	9.20	16.66	7.96	6.50	6.17	6.14
30	6.24	12.88	21.85	10.55	---	14.52	8.99	16.23	8.19	6.39	6.16	6.14
31	6.21	---	21.50	10.47	---	14.72	---	15.82	---	6.33	6.16	---
MAX	6.28	12.88	22.82	20.96	22.17	17.71	16.03	17.86	15.15	13.98	6.28	6.25
MIN	6.13	6.14	13.73	10.47	13.17	12.16	8.45	7.30	6.78	6.33	6.16	6.14

07348500 RED RIVER AT SHREVEPORT, LA

LOCATION.--Lat 32°30'55", long 93°44'25", in SE1/4SE1/4 sec. 30, T. 18 N., R.13 W., Caddo Parish, Hydrologic Unit 11140202, on second pier from east bank, at Illinois Central Gulf Railroad Co. bridge at Shreveport, and 0.5 mi downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi², of which 5,936 mi² above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1982 (see NOTE). Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1920: 1960(M).

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft higher.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--54 years (water years 1929-82), 24,200 ft³/s, 17,532,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303,000 ft³/s 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 ft³/s Oct. 30, 1956; minimum gage height, 0.24 ft Nov. 9, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 45.9 ft, present datum, from water mark in August 1849 (affected by huge log raft).

EXTREMES FOR CURRENT YEAR.--Water year 1982: Maximum daily discharge, 106,000 ft³/s June 20;; minimum daily, 2,900 ft³/s Oct. 14, 15.

NOTE.--Records for the 1983 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 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	80000	17000	9830	22100	18000	14200	12000	79700	94000	19000	7680
2	4100	80000	17000	8690	23800	19000	15400	11200	78700	92800	18600	7680
3	4100	81000	17000	8490	37500	25800	15400	10000	80700	81700	17000	7480
4	4200	85000	17000	8690	50400	31600	15700	9570	85000	77700	17600	7680
5	4700	88000	21000	8690	53900	32500	17000	9570	88400	81700	23500	7680
6	5200	88000	27000	8490	55300	31600	18000	9570	89500	87200	26500	6890
7	5500	83000	26000	8690	57500	30800	21300	9090	90600	87200	24600	6160
8	5800	79000	23000	8490	56000	27700	25000	8280	91700	83900	20300	5980
9	5900	79000	18000	8690	55300	26900	22800	7880	88400	76600	17300	6160
10	5700	80000	15000	9090	52500	27300	20600	7070	88400	72600	16100	6340
11	5000	77000	13000	9090	48400	26500	18600	7470	92800	71700	15400	6340
12	4400	76000	12000	9570	43500	24200	15100	7880	94000	74600	15400	6160
13	3600	79000	12000	10300	41800	24200	13600	8080	94000	75600	14800	5620
14	2900	74000	11000	10500	38000	21300	12600	9090	92800	73600	13400	5260
15	2900	63000	11000	10500	34500	18600	10000	11700	92800	71700	12300	5020
16	4200	55000	10000	12000	31600	17300	9800	59100	92800	68200	11700	4890
17	6800	49000	10000	13100	59400	17000	10000	74600	97600	63000	12000	5140
18	24000	43000	9600	13400	28100	18000	9330	83900	96400	55300	12000	5620
19	49000	38000	8900	13100	27300	20600	8690	76600	98900	44100	11000	5800
20	67000	33000	8700	12000	25800	22100	9090	61400	106000	36000	10500	5800
21	77000	29000	8400	10500	26500	25000	11200	57500	105000	31200	10500	5440
22	79000	27000	8400	9090	29400	25000	15700	65600	96400	28500	10000	5440
23	79000	26000	8500	8690	30800	22100	16100	72600	91700	27300	9570	5980
24	78000	24000	8800	8890	37700	17300	13600	74600	92800	26500	9570	6530
25	79000	22000	9400	9800	23100	13400	12800	74600	92800	25800	9800	6710
26	75000	21000	9500	11500	21000	12000	10000	77700	94000	25400	8490	6890
27	76000	20000	9100	14800	23500	12800	9570	81700	94000	28800	8280	6160
28	77000	19000	8700	20600	18000	12300	9570	83900	94000	22000	8280	5260
29	78000	18000	8600	22800	---	11500	11500	87200	92800	20600	8080	5020
30	79000	18000	8700	22400	---	12000	12800	88400	94000	20000	8080	5140
31	79000	---	8500	21700	---	12800	---	83900	---	19300	7880	---
TOTAL	1075100	1634000	400800	362170	1052700	657200	425050	1341750	2766700	1744600	427530	183950
MEAN	34680	54470	12930	11680	37600	21200	14170	43280	92220	56280	13790	6132
MAX	79000	88000	27000	22800	59400	32500	25000	88400	106000	94000	26500	7680
MIN	2900	18000	8400	8490	18000	11500	8690	7070	78700	19300	7880	4890
AC-FT	2132000	3241000	795000	718400	2088000	1304000	843100	2661000	5488000	3460000	848000	364900
CAL YR 1981 TOTAL	7625800			20890			89000		2900		15130000	
WTR YR 1982 TOTAL	12071550			33070			106000		2900		23940000	

RED RIVER BASIN

07348500 RED RIVER AT SHREVEPORT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.30	20.05	10.79	7.10	11.40	10.20	9.00	8.20	20.70	22.00	10.50	6.30
2	4.30	20.10	10.60	6.80	11.90	10.50	9.40	7.90	20.60	21.90	10.40	6.30
3	4.27	20.25	10.46	6.70	15.00	12.40	9.40	7.40	20.80	20.90	9.90	6.20
4	4.45	20.55	10.50	6.80	17.20	13.80	9.50	7.20	21.20	20.50	10.10	6.30
5	4.63	21.01	11.46	6.80	17.70	14.00	9.90	7.20	21.50	20.90	11.80	6.30
6	4.70	21.15	12.92	6.70	17.90	13.80	10.20	7.20	21.60	21.40	12.60	5.90
7	5.03	20.50	12.97	6.80	18.20	13.50	11.20	7.00	21.70	21.40	12.10	5.50
8	5.30	19.85	12.29	6.70	18.00	12.90	12.20	6.60	21.80	21.10	10.90	5.40
9	5.17	19.82	11.19	6.80	17.90	12.70	11.60	6.40	21.50	20.40	10.00	5.50
10	5.26	19.92	10.06	7.00	17.50	12.80	11.00	6.00	21.50	20.00	9.60	5.60
11	4.89	19.65	9.32	7.00	16.90	12.60	10.40	6.20	21.90	19.90	6.40	5.60
12	4.48	19.35	8.98	7.20	16.10	12.00	9.30	6.40	22.00	20.20	6.40	5.50
13	4.08	19.74	8.72	7.50	15.80	12.00	8.80	6.50	22.00	20.30	6.20	5.20
14	3.75	19.53	8.47	7.60	15.10	11.20	8.40	7.00	21.90	20.10	8.70	5.00
15	3.68	18.10	8.22	7.60	14.40	10.40	7.40	8.10	21.90	19.90	8.30	4.80
16	4.15	17.15	2.02	8.20	13.80	10.00	7.30	18.40	21.90	19.50	8.10	4.70
17	5.30	16.48	7.89	8.60	13.30	9.90	7.40	20.20	22.30	18.90	8.20	7.90
18	11.53	15.82	7.71	8.70	13.00	10.20	7.10	21.10	22.20	17.90	8.20	5.20
19	15.84	15.24	7.41	8.60	12.80	11.00	6.80	20.40	22.40	16.20	7.80	5.30
20	18.02	14.48	7.35	8.20	12.40	11.40	7.00	18.70	23.00	14.70	7.60	5.30
21	19.36	13.72	7.19	7.60	12.60	12.20	7.90	18.20	22.90	13.70	7.60	5.10
22	19.96	13.28	7.22	7.00	13.30	12.20	9.50	19.20	22.20	13.10	7.40	5.10
23	19.83	13.02	7.32	6.80	13.60	11.40	9.60	20.00	21.80	12.80	7.20	5.40
24	19.74	12.76	1.50	6.90	12.90	10.00	8.80	20.20	21.90	12.60	7.20	5.70
25	14.98	12.24	8.08	7.60	11.70	8.70	8.40	20.20	21.90	12.40	7.30	5.80
26	20.05	11.80	8.20	8.00	11.10	8.20	7.40	20.50	22.00	12.30	6.70	5.90
27	19.90	11.56	7.92	9.20	11.80	8.50	7.20	20.90	22.00	11.90	6.60	5.50
28	19.75	11.22	7.57	11.00	10.20	8.30	7.20	21.10	22.00	11.40	6.60	5.00
29	19.88	10.92	7.43	11.60	---	8.00	8.00	21.40	21.90	11.00	6.50	4.80
30	19.98	10.92	7.56	11.50	---	8.20	8.50	21.50	22.00	10.80	6.50	4.90
31	20.02	---	7.42	11.30	---	8.50	---	21.10	---	10.60	6.40	---
MAX	20.05	21.15	12.97	11.60	18.20	14.00	12.20	21.50	23.00	22.00	12.60	7.90
MIN	3.68	10.92	1.50	6.70	10.20	8.00	6.80	6.00	20.60	10.60	6.20	4.70

RED RIVER BASIN

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07348500 RED RIVER AT SHREVEPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1907-08, 1956-58, 1971, 1978-1982 (discontinued).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1977 to August 1982 (discontinued).

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 04225.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,350,000 tons May 18, 1982; minimum daily, 1,000 tons Oct. 1, 1977, on many days during 1978, 1979, 1980, and 1981.

WATER-QUALITY DATA, OCTOBER 1981 TO AUGUST 1982

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
21...	76600	3990	825000	74
28...	77400	1550	325000	77
NOV				
04...	85300	2740	631000	59
19...	37500	1270	129000	72
DEC				
02...	16800	295	13400	85
17...	10200	200	5510	95
JAN				
21...	9320	216	5440	95
FEB				
04...	59500	3890	624000	65
MAR				
04...	31500	1240	105000	67
18...	18800	366	18600	75
APR				
01...	15100	304	12400	74
15...	10200	148	4070	87
29...	12600	217	7370	74
MAY				
13...	8480	160	3670	90
18...	96900	5160	1350000	66
JUN				
07...	92500	2210	551000	67
24...	86000	2180	505000	53
JUL				
14...	64000	1360	235000	77
28...	19400	492	25800	94
AUG				
18...	9750	189	4970	97

RED RIVER BASIN

07348500 RED RIVER AT SHREVEPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), OCTOBER 1981 TO AUGUST 1982

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	455000	14000	5000	87000	37000	12000	11000	582000	464000	17000	
2	3000	486000	14000	4000	116000	40000	14000	11000	538000	447000	17000	
3	3000	533000	14000	4000	325000	73000	13000	10000	536000	342000	13000	
4	3000	628000	14000	4000	629000	107000	15000	11000	560000	304000	15000	
5	4000	676000	21000	4000	712000	103000	16000	13000	570000	331000	26000	
6	5000	678000	36000	4000	717000	98000	17000	16000	565000	368000	30000	
7	6000	604000	33000	4000	773000	83000	23000	17000	548000	362000	27000	
8	7000	549000	26000	4000	698000	69000	32000	17000	556000	332000	17000	
9	8000	551000	16000	4000	653000	62000	26000	18000	505000	275000	12000	
10	8000	567000	11000	4000	565000	59000	21000	17000	501000	243000	10000	
11	6000	526000	9000	4000	466000	53000	17000	22000	556000	233000	9000	
12	5000	514000	7000	5000	379000	43000	10000	29000	564000	249000	9000	
13	4000	558000	7000	5000	335000	41000	8000	37000	560000	251000	9000	
14	2000	491000	6000	5000	265000	30000	7000	37000	544000	235000	6000	
15	2000	356000	6000	5000	205000	24000	4000	52000	540000	226000	5000	
16	4000	272000	5000	8000	176000	18000	4000	1030000	536000	204000	5000	
17	9000	216000	5000	9000	140000	17000	4000	1340000	591000	178000	5000	
18	105000	166000	5000	9000	126000	19000	4000	1350000	563000	137000	5000	
19	402000	130000	4000	9000	114000	26000	3000	1070000	595000	89000	---	
20	687000	93000	4000	8000	102000	28000	4000	637000	678000	60000	---	
21	828000	68000	4000	5000	99000	37000	5000	546000	660000	45000	---	
22	762000	56000	4000	5000	120000	37000	12000	671000	547000	37000	---	
23	666000	50000	4000	5000	133000	29000	12000	780000	498000	35000	---	
24	567000	40000	4000	6000	105000	17000	9000	781000	506000	33000	---	
25	508000	32000	5000	8000	68000	10000	8000	741000	498000	34000	---	
26	400000	28000	5000	13000	55000	9000	5000	760000	501000	32000	---	
27	359000	24000	4000	23000	70000	10000	5000	797000	493000	30000	---	
28	322000	21000	4000	51000	38000	9000	5000	794000	486000	25000	---	
29	353000	18000	4000	69000	---	9000	8000	808000	468000	23000	---	
30	388000	17000	4000	70000	---	9000	11000	784000	471000	20000	---	
31	414000	---	4000	78000	---	11000	---	677000	---	18000	---	
MEAN	221000	313000	9770	14200	295000	39300	11100	448000	544000	183000		
MAX	828000	678000	36000	78000	773000	107000	32000	1350000	678000	464000	30000	
MIN	2000	17000	4000	4000	38000	9000	3000	10000	468000	18000		
DAYS	31	30	31	31	28	31	30	31	30	31	18	

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE1/4NE1/4 sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State highway 157, 0.4 mi downstream from Crooked Creek, 1.7 mi downstream from Arkansas-Louisiana State line, and 4.2 mi southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi².

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

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

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

REMARKS.--Records good above 200 ft³/s and fair below. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 548 ft³/s, 12.30 in/yr, 397,000 acre-ft/yr.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 8	0500	4390	14.38	Feb. 8	0830	4060	14.23
Dec. 16	0330	4390	14.38	Feb. 24	2200	3960	14.18
Dec. 29	1100	*10500	*16.68				

Minimum daily discharge, 1.1 ft³/s Sept. 6-8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	8.8	1000	4580	575	1760	520	405	152	191	2.1	1.4
2	2.1	16	950	3210	770	1380	474	275	111	193	2.3	1.3
3	1.4	35	1000	2430	995	1090	500	209	92	185	2.6	1.3
4	1.3	22	1300	1900	1280	900	520	178	74	165	2.8	1.2
5	1.2	20	2000	1520	2130	1040	500	163	60	145	2.9	1.2
6	1.3	63	2800	1230	3180	1120	450	166	50	115	2.7	1.1
7	4.3	93	3900	1030	3720	1640	500	163	44	60	2.6	1.1
8	3.8	101	4200	851	3990	2180	540	145	42	35	2.6	1.1
9	5.0	104	3330	672	3730	2150	580	121	43	22	2.7	1.2
10	5.6	100	2570	546	3760	2000	620	98	39	13	2.6	1.6
11	2.1	89	2630	474	3420	1720	630	85	44	8.6	2.5	1.7
12	2.5	71	2620	429	3430	1430	605	78	82	5.5	2.5	1.7
13	3.7	47	2710	400	3740	1140	545	68	77	5.2	3.5	1.7
14	109	30	3070	374	3720	897	453	67	55	5.5	3.8	1.5
15	194	21	4030	346	3080	615	353	80	39	6.5	3.6	1.5
16	193	17	4350	317	2390	429	295	110	29	5.7	3.6	1.5
17	124	45	4190	290	1850	356	276	151	19	4.9	3.3	1.6
18	61	84	3780	266	1460	329	269	204	12	6.1	3.1	1.9
19	26	115	3130	248	1150	313	247	316	9.0	5.6	3.5	3.1
20	33	193	2640	240	941	316	253	487	7.6	4.5	3.6	3.5
21	23	184	2230	232	879	326	226	970	7.1	3.7	2.5	3.3
22	14	219	1850	227	2240	332	201	2060	7.0	3.4	2.1	2.9
23	10	391	1540	222	2810	362	227	2800	9.1	3.5	1.8	2.4
24	7.7	818	1260	221	3660	440	245	2900	48	3.9	1.8	2.1
25	7.7	809	1080	222	3760	479	263	2680	46	3.8	1.8	1.9
26	8.3	781	1190	222	3320	539	349	2240	59	3.3	1.8	1.9
27	7.9	833	1700	219	2810	635	430	1750	63	2.7	1.7	1.9
28	7.5	971	4960	214	2260	668	487	1350	74	2.2	1.6	1.9
29	48	1010	10200	209	---	655	508	1040	129	2.0	1.5	1.8
30	27	1030	8830	203	---	629	491	629	186	1.9	1.5	1.7
31	13	---	6480	209	---	583	---	264	---	1.9	1.4	---
TOTAL	950.9	8320.8	97520	23753	71050	28453	12557	22252	1708.8	1214.4	78.4	54.0
MEAN	30.7	277	3146	766	2538	918	419	718	57.0	39.2	2.53	1.80
MAX	194	1030	10200	4580	3990	2180	630	2900	186	193	3.8	3.5
MIN	1.2	8.8	950	203	575	313	201	67	7.0	1.9	1.4	1.1
AC=FT	1890	16500	193400	47110	140900	56440	24910	44140	3390	2410	156	107
CAL YR 1982	TOTAL	169076.6	MEAN	463	MAX	10200	MIN	1.2	AC=FT	335400		
WTR YR 1983	TOTAL	267912.3	MEAN	734	MAX	10200	MIN	1.1	AC=FT	531400		

RED RIVER BASIN

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.68	4.15	---	14.46	10.03	12.64	9.60	8.97	6.66	7.25	3.76	3.82
2	3.66	4.42	---	13.76	10.81	12.24	9.35	8.02	6.07	7.34	3.79	3.80
3	3.60	5.01	---	13.23	11.49	11.75	---	7.39	5.77	7.23	3.83	3.78
4	3.58	4.66	---	12.78	12.11	11.22	---	7.01	5.49	6.97	3.86	3.77
5	3.57	4.60	---	12.40	12.96	11.62	---	6.82	5.25	6.70	3.87	3.74
6	3.57	5.49	---	12.03	13.74	11.83	---	6.86	5.08	6.28	3.85	3.72
7	3.83	6.00	---	11.60	14.05	12.52	---	6.82	4.96	---	3.83	3.70
8	3.82	6.14	14.29	11.07	14.20	13.02	---	6.59	4.91	---	3.83	3.68
9	3.88	6.18	13.83	10.47	14.06	13.00	---	6.25	4.94	---	3.84	3.74
10	3.92	6.12	13.33	9.97	14.07	12.87	---	5.88	4.85	---	3.84	3.82
11	3.68	5.93	13.38	9.61	13.89	12.61	9.96	5.67	4.94	---	3.83	3.83
12	3.72	5.62	13.37	9.36	13.89	12.29	9.87	5.55	5.61	---	3.82	3.82
13	3.81	5.22	13.44	9.19	14.06	11.86	9.64	5.35	5.53	3.97	3.93	3.80
14	6.21	4.87	13.67	9.02	14.05	11.17	9.17	5.33	5.16	3.99	3.96	3.77
15	7.44	4.64	14.21	8.83	13.67	10.18	8.56	5.62	4.85	4.06	3.94	3.75
16	7.43	4.51	14.36	8.60	13.19	9.27	8.14	6.09	4.61	4.01	3.95	3.74
17	6.49	5.11	14.29	8.38	12.73	8.80	7.99	6.68	4.37	3.95	3.91	3.77
18	5.46	5.85	14.08	8.18	12.33	8.58	7.94	7.37	4.18	4.03	3.89	3.81
19	4.77	6.28	13.71	8.02	11.89	8.45	7.76	8.38	4.05	4.00	3.93	3.95
20	4.94	7.43	13.38	7.94	11.34	8.46	7.82	9.45	3.98	3.92	3.94	3.98
21	4.69	7.32	13.06	7.87	11.14	8.53	7.57	11.17	3.95	3.86	3.82	3.97
22	4.42	7.73	12.74	7.81	13.05	8.57	7.29	12.92	3.95	3.82	3.76	3.92
23	4.22	8.95	12.42	7.77	13.50	8.77	7.57	13.49	4.04	3.85	3.73	3.86
24	4.08	10.97	12.08	7.76	14.01	9.25	7.75	13.57	5.02	3.89	3.77	3.82
25	4.08	10.94	11.73	7.77	14.07	9.46	7.91	13.41	4.99	3.89	3.81	3.79
26	4.12	10.85	11.94	7.77	13.82	9.75	8.60	13.07	5.22	3.85	3.81	3.79
27	4.09	11.01	12.58	7.74	13.50	10.15	9.12	12.63	5.30	3.80	3.84	3.79
28	4.07	11.43	14.50	7.68	13.09	10.27	9.44	12.17	5.49	3.75	3.85	3.78
29	5.17	11.55	16.58	7.63	---	10.21	9.55	11.50	6.32	3.72	3.84	3.77
30	4.80	11.58	16.11	7.56	---	10.09	9.46	10.04	7.16	3.71	3.82	3.75
31	4.37	---	15.23	7.60	---	9.89	---	7.88	---	3.72	3.82	---
MAX	7.44	11.58	16.58	14.46	14.20	13.02	9.96	13.57	7.16	7.34	3.96	3.98
MIN	3.57	4.15	---	7.56	10.03	8.45	7.29	5.33	3.95	3.71	3.73	3.68

07349000 BAYOU DORCHEAT NEAR MINDEN, LA.

LOCATION.--Lat 32°35'55", long 93°19'59", in NE1/4NW1/4 sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11130203, on left bank 500 ft upstream from bridge on U.S. Highway 80, 0.7 mi upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi west of Minden, and 28 mi upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi².

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

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

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

REMARKS.--Gage heights affected by Lake Bistineau.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,000 ft³/s Jan. 1, gage height, 18.93 ft; minimum gage height, 1.58 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.17	6.59	9.48	18.90	8.60	14.85	9.19	8.24	11.18	7.47	7.09	6.86
2	6.16	6.58	9.61	18.49	9.17	14.26	9.11	8.23	10.10	7.47	7.06	6.83
3	6.15	6.63	9.83	17.33	9.66	13.69	8.95	8.21	8.75	7.43	7.04	6.83
4	6.14	6.68	10.43	16.12	10.18	13.12	8.89	8.09	8.08	7.39	7.03	6.82
5	6.12	6.66	10.60	15.07	11.18	13.34	8.83	7.93	7.83	7.37	7.02	6.80
6	6.12	6.66	10.68	14.25	13.01	13.30	8.72	7.81	7.75	7.35	7.12	6.78
7	6.11	6.66	10.92	13.52	13.74	13.19	8.65	7.75	7.62	7.32	7.10	6.78
8	6.34	6.66	11.23	12.85	14.48	13.03	8.66	7.67	7.55	7.30	7.19	6.62
9	6.39	6.65	11.50	12.19	15.08	12.96	8.75	7.60	7.49	7.28	7.16	6.33
10	6.37	6.67	11.78	11.48	16.27	12.86	8.81	7.56	7.45	7.29	7.18	5.89
11	6.38	6.68	12.45	10.74	16.96	12.65	8.83	7.61	7.40	7.25	7.16	5.46
12	6.45	6.70	13.39	10.01	17.08	12.40	8.80	7.63	7.38	7.23	7.16	5.07
13	6.46	6.68	13.99	9.41	16.68	12.15	8.71	7.58	7.35	---	7.12	4.69
14	6.46	6.69	14.25	8.95	16.07	11.87	8.59	7.59	7.33	---	7.11	4.31
15	6.44	6.64	15.17	8.63	15.42	11.53	8.45	7.58	7.32	---	7.10	4.01
16	6.42	6.67	16.62	8.42	14.88	11.10	8.34	7.77	7.32	---	7.09	3.72
17	6.42	6.77	17.45	8.27	14.51	10.56	8.20	7.79	7.32	---	7.09	3.46
18	6.42	6.85	17.60	8.13	14.16	9.92	8.06	7.79	7.33	---	7.08	3.22
19	6.51	6.93	17.11	8.03	13.72	9.24	7.88	7.77	7.34	---	7.06	3.08
20	6.48	7.13	16.35	7.96	13.19	8.78	7.79	7.88	7.31	---	7.03	---
21	6.48	7.28	15.53	7.95	12.66	8.50	7.77	8.46	7.29	---	7.01	2.72
22	6.45	7.40	14.78	7.95	13.42	8.34	7.77	10.79	7.29	---	6.99	2.56
23	6.45	7.54	14.13	7.91	14.79	8.27	8.23	11.78	7.30	---	6.98	2.37
24	6.44	7.74	13.53	7.88	16.86	8.63	8.28	12.53	7.30	---	6.96	2.20
25	6.44	7.81	13.05	7.87	17.57	8.90	8.63	12.93	7.31	---	---	2.05
26	6.44	8.01	12.83	7.84	17.15	9.17	8.81	13.16	7.34	7.23	---	1.91
27	---	8.41	13.23	7.82	16.31	9.50	8.84	13.21	7.48	7.21	6.96	1.79
28	6.42	8.94	14.17	7.81	15.53	9.51	8.61	13.10	7.50	7.18	6.94	1.70
29	6.56	9.23	15.29	7.82	---	9.45	8.38	12.91	7.49	7.16	6.92	1.63
30	6.57	9.39	16.17	7.77	---	9.37	8.27	12.52	7.51	7.13	6.90	1.60
31	6.59	---	17.63	7.74	---	9.28	---	11.95	---	7.11	6.89	---
MAX	6.59	9.39	17.63	18.90	17.57	14.85	9.19	13.21	11.18	---	7.19	6.86
MIN	6.11	6.58	9.48	7.74	8.60	8.27	7.77	7.56	7.29	---	6.89	1.60

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in SE1/4NW1/4 sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi west of Ringgold, and 17.0 mi upstream from mouth.

DRAINAGE AREA.--1,443 mi².

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

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

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

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft concrete spillway equipped with twelve adjustable gates and a fish ladder. Each gate is 6.0 ft wide and 5.0 ft high and fits into a notch along the spillway crest. The 1.75-ft thick spillway crest is flat and has an invert at 11 ft gage height with invert of the notches at 6 ft gage height. The fish ladder is 4 ft wide and begins flowing at 4.1 ft gage height. Capacity at spillway crest is 120,000 acre-ft. Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. One gage partially open Oct. 1 - Nov. 22. All gates open from Sept. 7-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft Feb. 8, 1975; minimum, 3.72 ft Nov. 29, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.12 ft Jan. 3; minimum, 4.95 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.93	10.33	---	12.86	11.56	12.56	11.49	11.37	11.94	11.15	10.88	10.62
2	9.93	10.42	---	13.05	11.67	12.46	11.55	11.37	11.88	11.12	10.85	10.60
3	9.91	10.47	---	13.12	11.78	12.37	11.56	11.42	11.76	11.11	10.82	10.57
4	9.90	10.42	---	12.99	11.78	12.32	11.55	11.38	11.62	11.10	10.80	10.54
5	9.89	10.41	---	12.78	11.92	12.51	11.55	11.37	11.52	11.15	10.81	10.53
6	9.87	10.41	---	12.57	12.37	12.56	11.56	11.32	11.45	11.17	10.84	10.50
7	9.87	10.41	---	12.39	12.59	12.53	11.54	11.28	11.35	11.15	10.85	10.55
8	10.05	10.40	---	12.26	12.53	12.36	11.52	11.32	11.25	11.15	10.94	10.16
9	10.05	---	---	12.17	12.50	12.24	11.48	11.26	11.20	11.10	10.92	9.73
10	10.14	---	---	12.03	12.91	12.17	11.48	11.23	11.18	11.08	10.90	9.18
11	10.16	---	---	11.95	13.06	12.10	11.47	11.24	11.15	11.06	10.89	8.80
12	10.20	10.43	---	11.86	13.08	12.06	11.46	11.29	11.10	11.06	10.86	8.52
13	10.24	10.45	---	11.74	13.02	12.01	11.46	11.27	11.09	11.06	10.85	8.13
14	10.22	10.41	12.20	11.64	12.88	11.97	11.49	11.24	11.07	11.02	10.86	7.72
15	10.20	10.46	12.74	11.64	12.74	11.92	11.47	11.29	11.06	11.05	10.86	7.62
16	10.21	10.43	12.90	11.53	12.60	11.90	11.43	11.33	11.05	11.01	10.83	7.34
17	10.18	10.54	12.94	11.45	12.47	11.87	11.41	11.29	11.05	11.00	10.82	7.07
18	10.17	10.59	12.93	11.45	12.36	11.81	11.37	11.27	11.05	10.99	10.81	6.85
19	10.16	10.57	12.93	11.40	12.30	11.74	11.36	11.33	11.06	11.00	10.81	6.71
20	10.25	10.78	12.87	11.40	12.23	11.69	11.34	11.45	11.07	10.99	10.80	6.49
21	10.23	10.83	12.75	11.37	12.27	11.61	11.32	11.65	11.07	11.00	10.78	6.55
22	10.25	---	12.59	11.31	12.71	11.54	11.28	12.02	11.06	11.00	10.77	6.22
23	10.23	---	12.44	11.32	12.94	11.56	11.34	12.22	11.06	10.98	10.75	6.04
24	10.23	---	12.27	11.32	12.93	11.58	11.39	12.23	11.06	10.96	10.74	5.88
25	10.20	---	12.29	11.32	12.97	11.58	11.40	12.17	11.08	10.94	10.75	5.71
26	10.19	---	12.38	11.32	12.98	11.60	11.44	12.13	11.12	10.91	10.70	5.57
27	10.18	---	12.65	11.33	12.90	11.65	11.46	12.12	11.12	10.91	10.70	5.43
28	10.18	---	12.98	11.29	12.78	11.70	11.49	12.08	11.12	10.90	10.69	5.29
29	10.31	---	12.91	11.26	---	11.68	11.46	12.05	11.11	10.90	10.66	5.16
30	10.32	---	12.79	11.27	---	11.69	11.43	12.04	11.15	10.90	10.66	5.03
31	10.31	---	12.74	11.28	---	11.60	---	12.02	---	10.89	10.64	---
MAX	10.32	---	12.98	13.12	13.08	12.56	11.56	12.23	11.94	11.17	10.94	10.62
MIN	9.87	10.33	---	11.26	11.56	11.54	11.28	11.23	11.05	10.89	10.64	5.03

07349374 FLAT RIVER NEAR CURTIS, LA

LOCATION.--Lat 32°26'20", long 93°37'37", in NW1/4NW1/4 sec.29, T.17 N., R.12 W., Bossier Parish, Hydrologic Unit 22240204, near left bank on downstream side of bridge on State Highway 612, 1.0 mi east of Curtis.

DRAINAGE AREA.--Indeterminate (see REMARKS).

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

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

REMARKS.--Records poor. Channel dredged August, 1982. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminable. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft³/s Apr. 14, 1980, gage height, 27.39 ft, present datum, (prior to dredging August 1982); 1790 ft³/s Feb. 10, 1983, gage height, 19.66 ft (after dredging); no flow Aug. 10-12, 1982, result of temporary dam. Minimum daily discharge not regulated, 1.5 ft³/s, Sept. 10, 11, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,790 ft³/s Feb. 10, gage height, 19.66 ft; minimum daily discharge, 2.5 ft³/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	23	48	350	394	307	72	42	30	20	9.3	10
2	2.9	19	41	300	320	269	60	44	27	17	9.4	9.2
3	2.8	87	153	280	252	240	64	24	24	15	10	8.2
4	2.5	57	197	260	206	258	60	17	21	13	11	7.8
5	2.7	34	149	240	914	405	51	69	45	57	9.2	7.3
6	3.0	22	115	218	1430	314	45	74	105	100	14	7.2
7	3.6	14	88	177	789	248	40	43	61	64	49	7.1
8	26	9.5	73	133	514	206	37	33	41	46	143	7.0
9	58	6.7	65	101	649	170	33	42	36	33	76	6.9
10	62	5.4	61	72	1140	137	30	157	33	24	63	6.8
11	38	5.0	264	50	789	104	28	361	31	19	52	6.7
12	34	4.8	328	30	600	69	26	396	30	16	41	6.6
13	46	4.6	250	20	499	42	25	262	29	14	31	6.8
14	41	4.4	207	14	423	28	23	205	29	31	26	6.6
15	26	4.2	1250	12	364	23	22	148	33	38	20	6.5
16	16	4.0	650	11	313	20	21	200	29	28	16	6.4
17	10	50	431	10	271	18	20	400	34	21	13	6.6
18	8.0	79	353	10	237	17	19	600	32	21	11	6.4
19	6.9	56	290	9.5	211	15	18	800	23	25	9.8	9.0
20	8.7	51	252	9.5	188	14	17	900	20	55	9.4	10
21	41	32	223	9.5	302	13	16	800	19	60	9.2	9.4
22	35	31	193	9.0	901	12	15	550	23	49	9.2	8.4
23	20	62	164	9.0	629	20	14	400	24	40	9.1	8.0
24	13	83	140	9.0	514	109	14	250	25	31	9.0	7.4
25	12	40	118	8.5	453	103	13	150	30	23	9.0	7.0
26	11	20	373	8.5	410	101	12	105	82	18	14	6.8
27	9.5	77	883	8.0	377	116	12	73	70	14	25	6.6
28	9.5	130	769	10	342	107	12	53	34	12	20	6.6
29	60	83	517	9.5	---	98	11	42	26	11	15	9.0
30	57	60	450	9.0	---	86	11	35	24	9.9	13	10
31	40	---	400	61	---	76	---	31	---	9.4	11	---
TOTAL	708.7	1158.6	9495	2458.0	14431	3745	841	7306	1070	934.3	766.6	228.3
MEAN	22.9	38.6	306	79.3	515	121	28.0	236	35.7	30.1	24.7	7.61
MAX	62	130	1250	350	1430	405	72	900	105	100	143	10
MIN	2.5	4.0	41	8.0	188	12	11	17	19	9.4	9.0	6.4
AC-FT	1410	2300	18830	4880	28620	7430	1670	14490	2120	1850	1520	453
CAL YR 1982 TOTAL	16310.10			MEAN 44.7	MAX 1250	MIN .00	AC-FT 32350					
WTR YR 1983 TOTAL	43142.50			MEAN 118	MAX 1430	MIN 2.5	AC-FT 85570					

NOTE.--Indefinite stage discharge Apr. 15-30, Aug. 13-26.

RED RIVER BASIN

07349374 FLAT RIVER NEAR CURTIS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.06	8.82	9.05	---	14.12	14.33	9.67	8.48	8.02	7.99	7.85	9.22
2	8.09	8.74	8.88	---	13.21	13.89	9.29	8.53	7.98	7.92	7.87	9.17
3	8.08	9.94	10.58	---	12.31	13.55	9.36	8.15	7.91	7.88	7.89	9.13
4	8.05	9.50	11.25	---	11.63	13.82	9.29	8.01	7.86	7.82	7.94	9.11
5	8.07	9.05	10.60	---	15.98	15.75	9.07	8.94	8.11	8.64	7.99	9.09
6	8.10	8.86	10.11	13.53	18.71	14.82	8.88	9.04	8.95	9.41	8.23	---
7	8.15	8.68	9.72	13.11	16.99	14.15	8.80	8.51	8.27	8.81	9.08	---
8	8.88	8.55	9.53	12.64	15.66	13.76	8.63	8.30	7.92	8.49	10.72	---
9	9.48	8.44	9.43	12.30	16.11	13.44	8.52	8.50	7.81	8.24	9.76	---
10	9.54	8.38	9.40	12.04	19.08	13.15	8.43	10.59	7.75	8.07	9.59	---
11	9.09	---	12.35	---	17.62	12.83	8.34	13.49	7.72	7.97	9.42	---
12	9.00	---	13.24	---	16.72	12.51	8.28	14.13	7.71	7.90	9.26	---
13	9.26	---	12.25	11.43	15.82	12.23	8.21	12.42	7.68	7.86	9.18	---
14	9.15	---	11.69	11.28	15.01	11.93	8.13	11.39	7.69	8.21	9.18	---
15	8.88	---	18.32	11.19	14.34	11.70	7.91	10.21	7.74	8.34	9.15	---
16	8.65	---	16.77	11.13	13.75	11.44	7.90	---	7.69	8.17	9.14	---
17	8.47	---	15.16	11.01	13.26	11.25	8.30	---	8.01	8.05	9.14	---
18	8.40	9.75	14.22	10.92	12.85	11.09	9.00	---	7.98	8.05	9.18	---
19	8.35	9.38	13.42	10.80	12.54	10.93	7.94	---	7.82	8.15	9.17	---
20	8.43	9.29	12.92	10.72	12.27	10.72	7.94	---	7.74	8.71	9.16	---
21	9.15	8.90	12.52	10.68	13.69	10.52	7.97	---	7.73	8.82	9.16	---
22	9.02	8.85	12.10	10.60	18.54	10.35	7.96	---	7.81	8.63	9.16	---
23	8.76	9.38	11.68	10.53	17.47	10.47	7.96	---	---	8.46	9.12	---
24	8.58	9.72	11.33	10.48	16.56	11.26	7.95	---	7.86	8.28	8.97	---
25	8.55	8.98	10.99	10.41	15.92	10.77	7.89	---	7.94	8.16	8.85	---
26	8.52	8.57	14.13	10.29	15.46	10.62	7.91	---	9.10	8.06	9.02	---
27	8.46	9.52	17.12	10.22	15.11	10.77	7.91	8.78	8.88	7.98	---	---
28	8.46	10.37	17.26	10.25	14.73	10.41	7.88	8.46	8.26	7.91	---	---
29	9.50	9.63	15.87	10.14	---	10.17	7.83	8.25	8.11	7.88	---	---
30	9.46	9.28	---	10.01	---	9.89	7.84	8.10	8.07	7.85	---	---
31	---	---	---	10.24	---	9.73	---	8.04	---	7.85	---	---
MAX	9.54	10.37	18.32	---	19.08	15.75	9.67	14.13	9.10	9.41	10.72	---
MIN	8.05	---	8.88	10.01	11.63	9.73	7.83	8.01	7.68	7.82	---	---

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE1/4 NE1/4 sec.15, T. 22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11130105, on left bank on downstream side of bridge on State Highway 2, 2.1 mi northwest of Sarepta, and 9.5 mi upstream from Caney Creek.

DRAINAGE AREA.--546 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

REMARKS.--Records good. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft) 15 mi upstream. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years, 566 ft³/s, 410,100 acre-ft/yr.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 13	0830	4270	17.64	Feb. 24	1200	3010	16.20
Dec. 29	2100	*5620	*18.87				

Minimum discharge, 20 ft³/s Sept. 17, 18, gage height 2.41 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	58	1090	4920	948	1510	280	519	933	95	106	203
2	60	62	1010	4180	1090	1380	290	563	831	93	106	198
3	62	92	1080	3630	1160	1300	296	595	681	92	104	191
4	62	123	1240	3090	1140	1270	318	598	504	92	103	183
5	61	124	1920	2750	1260	1330	310	581	357	93	102	176
6	61	119	2340	2290	1480	1320	324	512	277	95	99	168
7	64	115	2410	1920	1670	1310	371	405	223	96	96	160
8	69	112	2930	1640	1710	1280	409	300	188	95	98	152
9	72	109	3400	1450	1650	1200	427	251	158	94	102	105
10	72	109	3550	1310	1770	1110	434	230	138	92	119	50
11	71	109	3740	1180	1980	1010	435	206	127	91	130	33
12	72	108	4020	1060	2210	915	430	193	120	89	130	29
13	72	105	4240	950	2270	843	414	183	117	91	132	27
14	71	105	3940	851	2240	796	390	173	115	90	129	25
15	67	107	3700	788	2160	763	383	164	112	89	124	24
16	64	106	3350	766	2070	730	384	169	111	88	119	22
17	62	122	3090	751	1960	685	352	178	109	86	119	21
18	61	137	2920	731	1820	631	304	172	107	86	147	22
19	59	199	2710	711	1650	577	269	170	105	91	169	28
20	66	257	2440	692	1490	530	272	218	103	86	171	32
21	69	273	2160	681	1480	491	290	474	100	85	167	33
22	69	223	1880	680	1960	459	324	827	100	96	162	33
23	64	232	1640	681	2610	386	380	956	101	103	158	31
24	60	329	1460	683	2980	316	361	1150	104	103	154	29
25	57	552	1320	679	2820	301	372	1280	113	100	151	27
26	55	776	1400	667	2450	306	380	1270	128	97	152	26
27	53	923	2430	650	2060	308	380	1190	124	96	188	25
28	52	1030	4790	643	1720	319	392	1100	113	93	211	24
29	72	1080	5480	645	---	326	427	1050	104	91	217	23
30	78	1110	5540	650	---	300	469	1020	98	89	213	22
31	70	---	5280	681	---	273	---	988	---	99	208	---
TOTAL	2001	8906	88500	43000	51808	24275	10867	17685	6501	2876	4386	2122
MEAN	64.5	297	2855	1387	1850	783	362	570	217	92.8	141	70.7
MAX	78	1110	5540	4920	2980	1510	469	1280	933	103	217	203
MIN	52	58	1010	643	948	273	269	164	98	85	96	21
AC=FT	3970	17670	175500	85290	102800	48150	21550	35080	12890	5700	8700	4210
CAL YR 1982	TOTAL	153033.3	MEAN	419	MAX	5540	MIN	9.2	AC=FT	303500		
WTR YR 1983	TOTAL	262927.0	MEAN	720	MAX	5540	MIN	21	AC=FT	521500		

RED RIVER BASIN

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	3.61	11.84	18.26	11.10	13.66	6.36	8.32	11.02	4.00	4.19	5.35
2	3.61	3.68	11.43	17.77	11.88	13.19	6.46	8.64	10.41	3.97	4.18	5.28
3	3.65	4.22	11.79	17.15	12.19	12.83	6.52	8.86	9.45	3.96	4.15	5.20
4	3.65	4.72	12.56	16.49	12.13	12.69	6.73	8.89	8.21	3.95	4.13	5.12
5	3.62	4.76	14.36	15.87	12.67	12.99	6.66	8.76	7.07	3.96	4.12	5.03
6	3.61	4.68	15.09	15.27	13.58	12.92	6.78	8.27	6.33	4.00	4.07	4.94
7	3.68	4.61	15.43	14.66	14.15	12.90	7.20	7.47	5.75	4.02	4.02	4.86
8	3.76	4.56	16.10	14.05	14.24	12.73	7.50	6.55	5.33	4.01	4.05	4.75
9	3.82	4.52	16.67	13.43	14.09	12.41	7.64	6.07	4.96	3.98	4.12	4.05
10	3.82	4.51	16.85	12.88	14.39	11.94	7.69	5.84	4.67	3.95	4.40	3.07
11	3.79	4.51	17.07	12.31	14.77	11.43	7.70	5.56	4.51	3.93	4.56	2.69
12	3.81	4.49	17.38	11.69	15.15	10.91	7.66	5.40	4.42	3.91	4.56	2.61
13	3.82	4.45	17.61	11.11	15.24	10.49	7.54	5.28	4.36	3.92	4.59	2.56
14	3.80	4.45	17.29	10.54	15.20	10.20	7.35	5.14	4.33	3.91	4.54	2.53
15	3.74	4.48	17.02	10.15	15.08	9.99	7.29	5.03	4.29	3.91	4.47	2.50
16	3.68	4.47	16.61	10.01	14.93	9.77	7.30	5.10	4.26	3.89	4.41	2.46
17	3.64	4.71	16.31	9.91	14.74	9.47	7.03	5.21	4.23	3.86	4.39	2.43
18	3.61	5.04	16.09	9.78	14.47	9.11	6.60	5.14	4.20	3.86	4.80	2.47
19	3.59	5.84	15.82	9.64	14.10	8.73	6.25	5.10	4.17	3.94	5.06	2.64
20	3.71	6.39	15.49	9.52	13.60	8.40	6.28	5.68	4.13	3.86	5.07	2.75
21	3.77	6.51	15.08	9.45	13.55	8.12	6.46	7.89	4.08	3.83	5.02	2.79
22	3.77	5.94	14.60	9.44	14.72	7.88	6.79	10.39	4.09	4.02	4.97	2.79
23	3.68	5.96	14.06	9.45	15.69	7.31	7.26	11.14	4.09	4.14	4.91	2.76
24	3.59	6.89	13.48	9.46	16.17	6.71	7.11	12.17	4.16	4.13	4.85	2.69
25	3.54	8.57	12.95	9.44	15.97	6.57	7.20	12.77	4.30	4.08	4.80	2.65
26	3.49	10.07	13.26	9.35	15.49	6.61	7.27	12.72	4.53	4.04	4.82	2.61
27	3.46	10.96	14.89	9.24	14.92	6.64	7.26	12.35	4.47	4.01	5.24	2.58
28	3.44	11.55	17.46	9.19	14.27	6.73	7.37	11.93	4.30	3.97	5.46	2.56
29	3.83	11.82	18.75	9.21	---	6.80	7.63	11.64	4.15	3.93	5.48	2.53
30	3.94	11.97	18.80	9.24	---	6.56	7.96	11.49	4.05	3.90	5.44	2.50
31	3.81	---	18.57	9.44	---	6.29	---	11.33	---	4.06	5.40	---
MAX	3.94	11.97	18.80	18.26	16.17	13.66	7.96	12.77	11.02	4.14	5.48	5.35
MIN	3.44	3.61	11.43	9.19	11.10	6.29	6.25	5.03	4.05	3.83	4.02	2.43

07349795 CYPRESS BAYOU ABOVE BENTON, LA

LOCATION.--Lat 32°47'15", long 93°42'27", in SW1/4 NE1/4 sec.28, T.20 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near center of span on downstream side of bridge on State Highway 160, 0.7 mi east of Swindleville, 1.0 mi northeast of Alden Bridge, and 6.0 mi north of Benton.

DRAINAGE AREA.--88.9 mi².

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft, from topographic map.

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 dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--9 years, 73.0 ft³/s, 52,900 acre-ft/yr. The figure published in the 1981 report was in error; the correct figure is 7 years, 79.3 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s Feb. 3, 1975, gage height, 11.99 ft; minimum, no flow at times each year.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 23	1330	*1290	*10.12

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	34	232	248	139	70	15	5.9	8.3	.00	.00
2	.00	.00	34	178	366	118	84	15	5.0	4.2	.00	.00
3	.00	.00	185	140	347	104	78	13	4.3	2.2	.00	.00
4	.00	.00	330	110	277	108	58	11	3.3	1.4	.00	.00
5	.00	.00	327	93	313	242	51	10	2.5	1.2	.00	.00
6	.00	.00	295	83	630	291	58	7.6	3.7	1.1	.00	.00
7	.00	.00	239	76	640	275	59	5.8	5.0	.85	.00	.00
8	.00	.00	159	72	501	216	53	4.3	5.5	.63	.00	.00
9	.00	.00	70	71	404	142	47	3.4	3.7	.45	.00	.00
10	.00	.00	49	67	730	98	39	2.7	2.5	.35	.00	.00
11	.00	.00	245	60	855	81	30	2.8	1.7	.29	.00	.00
12	.00	.00	424	52	612	71	24	4.4	1.1	.25	.00	.00
13	.00	.00	463	44	393	66	22	7.1	.71	.22	.00	.00
14	.00	.00	412	38	279	63	21	8.9	.53	.20	.00	.00
15	.00	.00	383	36	213	62	21	8.7	.41	.19	.00	.00
16	.00	.00	365	32	168	58	19	8.2	.30	.15	.00	.00
17	.00	.00	306	28	130	56	16	8.4	.26	.14	.00	.00
18	.00	.21	263	26	104	60	15	7.7	.23	.14	.00	.00
19	.00	17	202	25	88	61	14	7.9	.37	.10	.00	.00
20	.00	65	134	27	78	58	14	34	.40	.08	.00	.00
21	.00	43	85	31	128	66	16	175	.30	.06	.00	.00
22	.00	14	65	32	701	63	19	445	.30	.05	.00	.00
23	.00	4.1	56	28	1200	89	85	355	1.2	.04	.00	.00
24	.00	37	53	25	820	227	134	243	1.5	.03	.00	.00
25	.00	37	60	23	476	233	79	106	27	.01	.00	.00
26	.00	14	208	22	319	211	43	40	68	.00	.00	.00
27	.00	40	502	22	230	201	27	25	58	.00	.00	.00
28	.00	148	790	23	176	171	20	18	26	.00	.00	.00
29	.00	140	689	22	---	113	17	16	14	.00	.00	.00
30	.00	75	476	20	---	76	16	11	13	.00	.00	.00
31	.00	---	322	27	---	70	---	7.8	---	.00	.00	---
TOTAL	.00	634.31	8225	1765	11426	3889	1249	1627.7	256.71	22.63	.00	.00
MEAN	.000	21.1	265	56.9	408	125	41.6	52.5	8.56	.73	.000	.000
MAX	.00	148	790	232	1200	291	134	445	68	8.3	.00	.00
MIN	.00	.00	34	20	78	56	14	2.7	.23	.00	.00	.00
CFSM	.000	.24	2.98	.64	4.59	1.41	.47	.59	.10	.008	.000	.000
IN.	.00	.27	3.44	.74	4.78	1.63	.52	.68	.11	.01	.00	.00
AC-FT	.00	1260	16310	3500	22660	7710	2480	3230	509	45	.00	.00

CAL YR 1982	TOTAL	16311.08	MEAN	44.7	MAX	790	MIN	.00	CFSM	.50	IN	6.83	AC-FT	32350
WTR YR 1983	TOTAL	29095.35	MEAN	79.7	MAX	1200	MIN	.00	CFSM	.90	IN	12.17	AC-FT	57710

RED RIVER BASIN

07349795 CYPRESS BAYOU ABOVE BENTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	.15	4.31	6.98	7.05	5.80	4.92	3.17	2.75	2.88	1.46	.43
2	.07	.42	4.26	6.35	8.08	5.51	5.16	3.16	2.70	2.64	1.41	.38
3	.03	.59	6.43	5.80	7.96	5.31	5.06	3.11	2.65	2.47	1.39	.34
4	-.01	.59	7.83	5.44	7.40	5.36	4.68	3.03	2.57	2.37	1.42	.29
5	-.06	.57	7.81	5.18	7.62	7.06	4.53	2.97	2.50	2.33	1.38	.25
6	-.09	.55	7.56	5.03	9.19	7.52	4.69	2.86	2.60	2.31	1.36	.20
7	-.12	.53	7.06	4.91	9.22	7.39	4.72	2.76	2.71	2.26	1.39	.16
8	-.10	.52	6.15	4.85	8.76	6.81	4.59	2.66	2.74	2.21	1.43	.11
9	-.07	.50	5.01	4.83	8.29	5.83	4.45	2.60	2.61	2.15	1.40	.07
10	-.07	.49	4.61	4.76	9.39	5.20	4.27	2.54	2.50	2.10	1.36	.03
11	-.11	.47	7.04	4.64	9.61	4.91	4.08	2.55	2.41	2.07	1.32	-.02
12	-.07	.47	8.41	4.46	9.12	4.72	3.89	2.67	2.31	2.04	1.28	-.05
13	-.04	.44	8.60	4.29	8.23	4.62	3.81	2.83	2.23	2.01	1.28	-.10
14	-.07	.43	8.34	4.17	7.42	4.57	3.74	2.93	2.18	2.00	1.24	-.15
15	-.10	.41	8.19	4.12	6.78	4.53	3.69	2.91	2.13	1.99	1.20	-.20
16	-.14	.40	8.08	4.05	6.24	4.46	3.57	2.89	2.07	1.95	1.16	-.24
17	-.18	.69	7.65	3.95	5.77	4.40	3.42	2.90	2.05	1.94	1.11	-.27
18	-.21	1.31	7.28	3.91	5.44	4.50	3.37	2.86	2.02	1.94	1.07	-.30
19	-.25	3.64	6.66	3.88	5.21	4.51	3.27	2.86	2.11	1.91	1.02	-.29
20	-.11	4.93	5.87	3.95	5.06	4.45	3.26	3.78	2.13	1.89	.98	-.28
21	-.12	4.50	5.25	4.08	5.69	4.62	3.30	6.18	2.07	1.86	.94	-.26
22	-.13	3.70	4.93	4.10	9.14	4.56	3.41	8.51	2.07	1.84	.89	-.29
23	-.16	3.21	4.78	4.03	10.03	4.98	4.88	8.00	2.32	1.81	.84	-.33
24	-.19	4.30	4.70	3.93	9.53	6.94	5.72	7.08	2.39	1.79	.80	-.37
25	-.22	4.35	4.84	3.85	8.65	7.01	4.86	5.27	3.45	1.75	.76	-.40
26	-.24	3.69	6.67	3.82	7.74	6.77	4.07	4.00	4.67	1.72	.72	-.44
27	-.27	4.27	8.71	3.84	6.97	6.65	3.64	3.56	4.44	1.68	.67	-.47
28	-.28	6.02	9.51	3.86	6.32	6.28	3.40	3.32	3.60	1.64	.62	-.51
29	-.10	5.93	9.32	3.82	---	5.55	3.27	3.19	3.11	1.60	.57	-.55
30	.16	5.07	8.65	3.77	---	5.02	3.20	3.00	3.10	1.55	.51	-.59
31	.16	---	7.76	3.93	---	4.92	---	2.85	---	1.50	.47	---
MAX	.16	6.02	9.51	6.98	10.03	7.52	5.72	8.51	4.67	2.88	1.46	.43
MIN	-.28	.15	4.26	3.77	5.06	4.40	3.20	2.54	2.02	1.50	.47	-.59

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE1/4SW1/4 sec. 12, T.19 N., R.13 W., Webster Parish, Hydrologic Unit 11140204, attached to pier of catwalk to diversion structure about 4,500 ft northwest of spillway, and 5.0 mi southeast of Benton.

DRAINAGE AREA.--163 mi².

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

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

REMARKS.--Reservoir is formed by a 6,000-ft earthfill dam on Cypress Bayou. The 250-ft concrete spillway with crest at 9.60 ft, gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft. A 6- by 6-ft sluice gate with still at -15.5 ft, gage datum, is located at diversion structure 4,500 ft northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation. Gates closed throughout the year. No gage-height recorded below -.02 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.73 ft May 5, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.81 ft Feb. 24; minimum, 8.05 ft Oct. 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.16	8.23	9.14	---	9.95	10.13	9.86	9.68	9.70	9.63	9.21	8.80
2	8.15	8.28	9.15	---	10.04	10.05	---	9.67	9.66	9.62	9.19	8.78
3	8.14	8.35	9.38	---	10.13	9.98	---	9.71	9.64	9.59	9.15	8.75
4	8.12	8.32	9.60	10.02	10.17	9.92	---	9.67	9.63	9.56	9.17	8.73
5	8.12	8.30	9.81	9.95	10.33	10.06	---	9.65	9.62	9.62	9.16	8.70
6	8.09	8.28	9.94	9.90	10.57	10.08	---	9.62	9.61	9.66	9.15	8.68
7	8.11	8.28	9.99	9.86	10.55	10.12	---	9.60	9.61	9.63	9.14	8.67
8	8.17	8.27	10.00	9.85	10.56	10.10	---	9.61	9.58	9.59	9.20	8.65
9	8.18	8.26	9.96	9.82	10.49	10.06	---	9.59	9.57	9.57	9.18	8.63
10	8.20	8.26	9.91	9.81	10.74	9.99	---	9.58	9.55	9.55	9.16	8.61
11	8.20	8.25	10.05	9.78	10.69	9.92	---	9.61	9.53	9.53	9.14	8.65
12	8.23	8.27	10.15	9.76	10.68	9.86	---	9.62	9.51	9.51	9.12	8.64
13	8.23	8.25	10.19	9.74	10.60	9.82	9.72	9.61	9.50	9.50	9.11	8.64
14	8.22	8.23	10.24	9.73	10.46	9.80	9.75	9.64	9.48	9.49	9.10	8.61
15	8.20	8.23	10.44	9.72	10.32	9.79	9.69	9.71	9.48	9.50	9.09	8.56
16	8.20	8.20	10.39	9.70	10.20	9.78	9.67	9.70	9.47	9.49	9.07	8.54
17	8.17	8.32	---	9.69	10.10	9.77	9.66	9.67	9.44	9.48	9.05	8.53
18	8.15	8.34	---	9.68	10.02	9.76	9.67	9.64	9.43	9.48	9.03	8.52
19	8.14	8.35	---	9.70	9.96	9.73	9.64	9.69	9.44	9.46	8.99	8.55
20	8.20	8.46	---	9.69	9.90	9.75	9.64	9.68	9.43	9.46	8.98	8.55
21	8.18	8.51	---	9.69	9.96	9.74	9.63	9.82	9.41	9.45	8.97	8.55
22	8.17	8.55	---	9.68	10.43	9.71	9.63	10.23	9.40	9.43	8.95	8.51
23	8.16	8.58	---	9.68	10.55	9.76	9.71	10.31	9.47	9.41	8.94	8.50
24	8.15	8.65	---	9.68	10.77	9.86	9.75	10.32	9.47	9.38	8.92	8.48
25	8.12	8.65	---	9.68	10.71	9.95	9.78	10.24	9.47	9.37	8.93	8.46
26	8.11	8.67	---	9.68	10.54	10.02	9.79	10.10	9.54	9.34	8.92	8.44
27	8.10	8.78	---	9.69	10.38	10.09	9.78	9.99	9.59	9.32	8.90	8.43
28	8.07	8.85	---	9.67	10.25	10.04	9.75	9.89	9.63	9.30	8.88	8.42
29	8.24	8.95	---	9.67	---	9.99	9.73	9.82	9.65	9.28	8.87	8.41
30	8.23	9.06	---	9.67	---	9.98	9.71	9.77	9.65	9.26	8.84	8.39
31	8.22	---	---	9.66	---	9.92	---	9.73	---	9.24	8.82	---
MAX	8.24	9.06	---	---	10.77	10.13	9.86	10.32	9.70	9.66	9.21	8.80
MIN	8.07	8.20	9.14	9.66	9.90	9.71	9.63	9.58	9.40	9.24	8.82	8.39

RED RIVER BASIN

07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW1/4NW1/4 sec. 22, T. 17 N., R. 12 W., Bossier Parish, Hydrologic Unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi west of Sligo.

DRAINAGE AREA.--980 mi².

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

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

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

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 35.01 ft, present datum, June 22, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,640 ft³/s Feb. 23, gage height, 34.16 ft; minimum discharge, 2.1 ft³/s Oct. 5, gage height, 15.85 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	55	385	2730	2520	3140	2070	654	1050	261	76	125
2	2.9	66	451	2720	2560	3100	2020	635	1060	247	75	129
3	2.6	72	595	2720	2590	3050	1980	618	1060	230	74	132
4	2.4	58	668	2720	2520	3070	1920	595	1040	206	74	134
5	2.2	49	737	2720	2930	3260	1870	576	1050	190	74	136
6	2.4	42	771	2710	3390	3260	1830	582	1060	180	77	138
7	3.7	37	823	2710	3350	3220	1770	543	1040	169	82	138
8	9.6	33	880	2700	3130	3120	1720	528	1020	153	84	136
9	19	30	931	2690	3130	3020	1670	520	999	137	85	134
10	25	27	981	2680	3500	2950	1650	514	974	123	86	131
11	30	26	1190	2670	3520	2880	1600	514	946	113	84	130
12	39	28	1250	2650	3430	2810	1550	508	913	108	81	131
13	46	35	1320	2620	3300	2770	1450	499	876	105	80	126
14	48	39	1440	2610	3190	2720	1400	487	838	104	80	118
15	49	36	2110	2590	3110	2670	1330	494	798	107	80	108
16	49	31	2130	2580	3040	2630	1250	484	755	100	81	95
17	49	39	2260	2560	2990	2590	1180	466	707	99	84	80
18	48	52	2260	2540	2940	2540	1120	456	665	102	90	67
19	45	75	2200	2520	2880	2500	1060	447	611	104	92	57
20	47	102	2180	2510	2840	2460	998	521	554	115	94	47
21	41	122	2190	2490	2920	2410	947	739	495	116	98	42
22	37	136	2210	2470	3400	2370	904	1140	437	110	102	35
23	34	183	2190	2440	3600	2360	926	1240	388	103	105	29
24	30	207	2180	2420	3580	2360	912	1170	360	96	109	25
25	27	209	2200	2400	3440	2330	903	1070	331	90	114	23
26	27	222	2430	2370	3320	2320	845	1030	316	85	120	21
27	30	287	2810	2360	3240	2300	797	1040	292	81	122	20
28	35	302	3070	2350	3190	2270	754	1060	279	78	125	19
29	54	315	3020	2310	---	2220	696	1040	278	81	125	19
30	52	344	2890	2280	---	2180	673	1030	271	78	124	18
31	53	---	2790	2280	---	2120	---	1040	---	76	124	---
TOTAL	943.0	3259	53542	79120	87550	83000	39795	22240	21463	3947	2901	2543
MEAN	30.4	109	1727	2552	3127	2677	1327	717	715	127	93.6	84.8
MAX	54	344	3070	2730	3600	3260	2070	1240	1060	261	125	138
MIN	2.2	26	385	2280	2520	2120	673	447	271	76	74	18
AC=FT	1870	6460	106200	156900	173700	164600	78930	44110	42570	7830	5750	5040
CAL YR 1982 TOTAL	121948.4			334	MAX 3070	MIN 2.2	AC=FT 241900					
WTR YR 1983 TOTAL	400303.0			MEAN 1097	MAX 3600	MIN 2.2	AC=FT 794000					

RED RIVER BASIN

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07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.93	17.43	20.68	31.33	30.60	32.66	28.87	22.15	24.52	19.15	17.37	17.88
2	15.90	17.63	21.16	31.30	30.76	32.53	28.69	22.05	24.55	19.03	17.36	17.94
3	15.89	17.73	22.08	31.29	30.84	32.38	28.49	21.96	24.50	18.90	17.35	18.00
4	15.87	17.49	22.54	31.29	30.61	32.44	28.27	21.83	24.39	18.68	17.36	18.05
5	15.86	17.32	22.94	31.27	31.95	33.04	28.06	21.74	24.42	18.54	17.36	18.09
6	15.87	17.17	23.13	31.25	33.43	33.03	27.84	21.79	24.46	18.44	17.41	18.15
7	15.95	17.06	23.41	31.27	33.30	32.90	27.61	21.56	24.33	18.33	17.48	18.17
8	16.24	16.97	23.71	31.24	32.62	32.60	27.37	21.47	24.21	18.17	17.52	18.17
9	16.58	16.89	23.98	31.19	32.60	32.28	27.13	21.44	24.07	18.00	17.52	18.16
10	16.79	16.83	24.24	31.15	33.74	32.04	---	21.41	23.92	17.85	17.54	18.15
11	16.93	16.79	25.28	31.11	33.80	31.81	---	21.43	23.76	17.73	17.50	18.14
12	17.13	16.85	25.58	31.07	33.55	31.61	---	21.40	23.57	17.66	17.47	18.17
13	17.28	17.02	25.90	30.97	33.14	31.45	---	21.37	23.35	17.63	17.46	18.13
14	17.32	17.11	26.43	30.91	32.81	31.29	25.68	21.29	23.12	17.61	17.45	18.06
15	17.33	17.05	29.15	30.86	32.55	31.14	25.40	21.36	22.88	17.66	17.45	17.96
16	17.35	16.92	29.23	30.80	32.34	30.99	25.06	21.30	22.63	17.57	17.46	17.81
17	17.34	17.11	29.71	30.74	32.17	30.84	24.72	21.20	22.34	17.56	17.51	17.61
18	17.31	17.38	29.70	30.67	32.01	30.68	24.41	21.14	22.07	17.59	17.59	17.43
19	17.26	17.76	29.49	30.62	31.83	30.52	24.12	21.10	21.72	17.62	17.63	17.27
20	17.29	18.16	29.41	30.57	31.68	30.40	23.85	21.59	21.34	17.75	17.64	17.10
21	17.17	18.40	29.45	30.50	31.96	30.23	23.61	22.90	20.94	17.78	17.68	17.00
22	17.09	18.55	29.50	30.43	33.46	30.06	23.40	25.01	20.52	17.71	17.72	16.85
23	17.01	19.01	29.44	30.34	34.05	30.02	23.52	25.54	20.15	17.63	17.74	16.72
24	16.91	19.25	29.41	30.26	33.98	30.03	23.47	25.19	19.93	17.56	17.77	16.62
25	16.83	19.27	29.47	30.18	33.57	29.91	23.43	24.70	19.72	17.49	17.82	16.57
26	16.83	19.38	30.28	30.10	33.22	29.85	23.15	24.49	19.60	17.44	17.87	16.54
27	16.92	19.92	31.58	30.06	32.98	29.80	22.90	24.52	19.41	17.39	17.87	16.51
28	17.03	20.05	32.44	30.02	32.81	29.65	22.68	24.62	19.30	17.36	17.89	16.50
29	17.42	20.15	32.29	29.86	---	29.48	22.36	24.53	19.30	17.40	17.89	16.50
30	17.39	20.38	31.87	29.76	---	29.30	22.25	24.47	19.24	17.38	17.88	16.49
31	17.40	---	31.52	29.77	---	29.09	---	24.49	---	17.37	17.88	---
MAX	17.42	20.38	32.44	31.33	34.05	33.04	28.87	25.54	24.55	19.15	17.89	18.17
MIN	15.86	16.79	20.68	29.76	30.60	29.09	22.25	21.10	19.24	17.36	17.35	16.49

RED RIVER BASIN

07350000 LOGGY BAYOU NEAR NINOCK, LA

LOCATION.--Lat 32°14'10", long 93°25'35", in SE1/4SE1/4 sec.31, T.15 N., R.10 W., Bienville-Bossier Parish line, Hydrologic Unit 11140203, near center of span on downstream side of bridge on U.S. Highway 71, 0.3 mi downstream from Flat River, 1.9 mi southeast of Ninock, and 7.5 mi upstream from mouth.

DRAINAGE AREA.--2,628 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft National Geodetic Vertical Datum of 1929 (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 mi downstream from base gage at datum 100.21 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 15, 1955, auxiliary nonrecording gage at same site, and prior to Sept. 23, 1953, at datum 9.79 ft higher.

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

AVERAGE DISCHARGE.--12 years (water years 1949-60), 2,290 ft³/s, 1,659,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,600 ft³/s May 4, 1958; maximum gage height, 47.83 ft May 8, 1958; minimum discharge, no flow at time (backwater from Red River); minimum gage height, 9.46 ft Oct. 23-25, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.62 ft Jan. 3; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.75	14.67	23.70	33.08	22.33	31.44	23.17	18.39	---	16.18	16.40	---
2	13.73	14.78	23.92	33.47	23.01	30.56	23.54	17.85	---	17.03	16.35	14.22
3	13.70	14.92	25.02	33.57	23.42	29.67	23.51	17.59	25.16	20.46	16.27	14.74
4	13.77	14.81	26.84	33.28	23.91	28.89	23.16	17.43	24.46	23.80	16.12	14.56
5	13.87	14.99	28.94	32.46	26.01	29.52	22.91	17.25	23.50	24.53	16.07	---
6	13.77	---	30.39	31.45	29.50	29.40	22.50	17.19	22.25	24.16	16.02	---
7	13.69	---	31.20	30.30	30.26	29.47	21.77	17.76	21.20	23.33	15.75	---
8	13.86	16.55	31.52	29.05	30.07	29.87	21.22	19.84	20.53	22.95	15.29	14.62
9	14.31	17.50	31.37	28.23	30.28	29.96	20.75	20.82	20.39	22.98	14.85	16.68
10	14.62	17.40	30.92	27.52	32.10	29.63	20.49	20.91	20.38	23.44	14.54	18.11
11	14.55	16.84	31.09	26.66	32.68	29.03	20.53	20.71	20.40	23.52	---	17.92
12	14.68	16.24	31.49	25.78	32.91	28.36	20.50	20.32	20.21	22.71	---	17.41
13	14.63	15.54	31.15	25.03	32.62	27.68	20.30	19.68	19.30	22.10	---	16.86
14	14.51	15.01	30.91	24.48	32.00	26.96	19.75	18.72	18.36	21.71	---	16.37
15	14.53	14.66	32.85	23.91	31.11	26.37	19.03	---	17.64	20.91	---	15.92
16	14.72	14.46	33.40	23.32	30.12	25.92	18.52	---	16.98	20.59	---	15.60
17	14.83	14.64	33.42	22.69	29.12	25.63	18.32	---	16.71	20.85	---	15.34
18	14.77	14.71	33.24	22.33	28.16	25.17	17.99	---	16.55	20.89	---	14.95
19	14.60	14.59	32.92	22.11	27.30	24.55	17.70	---	16.39	20.76	---	14.62
20	14.39	15.11	32.44	21.98	26.52	23.69	17.45	---	16.32	20.41	---	14.32
21	14.13	14.88	31.72	21.74	26.50	22.94	17.43	---	17.04	20.40	---	14.22
22	14.02	14.84	30.78	21.44	29.21	22.30	17.46	---	17.03	20.54	---	---
23	14.03	14.79	29.88	21.27	30.43	22.16	17.68	---	16.39	20.21	---	---
24	13.95	15.82	28.95	21.14	31.27	22.55	17.97	---	16.09	19.48	---	---
25	13.80	16.27	28.13	21.06	32.57	22.55	17.96	---	16.06	19.01	---	---
26	13.69	16.56	29.18	20.97	33.13	22.72	17.89	---	16.31	18.87	---	---
27	13.64	16.97	31.06	20.88	32.99	23.17	18.09	---	16.31	18.65	---	---
28	13.68	17.73	32.42	20.66	32.34	23.24	18.74	---	16.13	18.10	---	---
29	14.42	19.00	32.85	20.41	---	23.06	18.98	---	16.02	17.66	---	---
30	14.75	21.96	32.81	20.21	---	22.95	18.72	---	16.05	17.06	---	---
31	14.75	---	32.79	20.13	---	23.08	---	---	---	16.61	---	---
MAX	14.83	21.96	33.42	33.57	33.13	31.44	23.54	---	---	24.53	16.40	18.11
MIN	13.64	14.46	23.70	20.13	22.33	22.16	17.43	17.19	16.02	16.18	---	---

RED RIVER BASIN

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07350020 LOGGY BAYOU NEAR EAST POINT, LA

LOCATION.--Lat 32°11'40", long 93°26'30", in SW1/4SW1/4 sec. 18, T. 14 N., R. 10 W., Red River Parish, Hydrologic Unit 11130203, on downstream side of bridge on State Highway 515, 1.7 mi above mouth and confluence with Red River, and 2.0 mi north of East Point.

DRAINAGE AREA.--2,648 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1, 1980, to current year. September 1955 to September 1964, stage records only, in files of U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.21 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for station Loggy Bayou near Ninock (station number 07350000) used as auxiliary gage for this station since October 1, 1980.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft³/s Feb. 12, 1983; maximum gage height, 32.25 ft June 10, 1981; minimum daily discharge, 22 ft³/s Oct. 7, 1982.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 15,000 ft³/s Feb. 12; maximum gage height, 31.11 ft Dec. 8; minimum daily discharge, 22 ft³/s Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	120	3900	11900	4940	12900	3400	1630	5000	420	185	170
2	29	120	4400	12700	5260	12100	3800	1550	4500	440	161	197
3	27	130	4600	13600	5390	11300	3900	1580	3810	500	189	342
4	26	130	4460	13800	5440	10600	3900	1500	3160	600	204	335
5	25	130	3120	13200	7280	11400	3700	1380	2790	1300	190	1150
6	23	160	3190	12300	10200	11300	3400	1230	2500	1030	200	1300
7	22	190	3170	11400	10900	10900	3200	995	2110	700	210	1190
8	24	220	3330	10500	11100	10400	2800	1120	1640	420	260	1270
9	30	230	3620	9440	11900	9800	2300	1180	1400	450	310	2190
10	40	200	3720	8550	13900	9170	2050	1170	1250	490	340	2870
11	45	180	5060	7530	14400	8800	2000	1240	1150	570	360	2780
12	80	130	6250	6490	14800	8400	2400	1310	1130	500	360	2560
13	90	80	6500	5650	14700	8200	2300	1220	1020	450	330	2330
14	100	100	6670	5170	14200	7800	2300	1120	879	420	300	2110
15	95	140	10000	4830	13300	6800	2150	940	778	400	280	1920
16	90	170	11300	4450	12400	6400	2200	920	707	380	270	1750
17	90	180	12100	4150	11500	6200	2050	1150	615	360	260	1620
18	110	170	12500	3960	10600	6000	2000	1450	563	350	290	1490
19	120	220	12600	3770	9710	5600	1900	2500	500	340	300	1390
20	110	200	12500	3710	8950	4300	1680	4500	450	330	290	1310
21	100	230	12000	3570	8980	4000	1570	4700	650	330	270	1500
22	94	240	11400	3370	11600	3800	1500	4500	600	344	250	1400
23	90	290	10700	3320	12900	3700	1630	4500	540	360	240	1100
24	88	400	9920	3270	13200	3600	1850	5000	470	333	220	860
25	84	600	9130	3270	13500	3300	1870	5400	410	284	210	760
26	90	778	9800	3180	13700	3500	1840	5600	560	285	190	710
27	94	1110	11300	3190	13900	3400	1850	5800	480	273	180	690
28	100	1490	12700	3100	13600	3000	1850	6000	440	251	170	650
29	120	1410	13000	3000	---	2400	1830	5800	415	260	160	660
30	130	2720	12800	2960	---	2900	1740	5600	400	228	150	600
31	130	---	12000	3060	---	3200	---	5400	---	203	160	---
TOTAL	2328	12468	257740	202390	312250	215170	70960	87985	40917	13601	7489	39204
MEAN	75.1	416	8314	6529	11150	6941	2365	2838	1364	439	242	1307
MAX	130	2720	13000	13800	14800	12900	3900	6000	5000	1300	360	2870
MIN	22	80	3120	2960	4940	2400	1500	920	400	203	150	170
AC-FT	4620	24730	511200	401400	619300	426800	140700	174500	81160	26980	14850	77760
CAL YR 1982 TOTAL	522039											
WTR YR 1983 TOTAL	1262502											
MEAN	1430											
MAX	13000											
MIN	22											
AC-FT	1035000											
AC-FT	2504000											

NOTE.--Indefinite stage discharge relation, Oct. 1 to Nov. 25, June 19 to July 21, Aug. 7-10. No gage height record at base gage or auxiliary gage, Nov. 5, 6, Dec. 1-3, Mar. 11 to Apr. 19, May 15 to June 2, Aug. 11 to Sept. 1, Sept. 5-7, 22-30.

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.79	14.65	---	30.17	19.97	27.21	---	17.90	26.05	16.21	16.43	13.74
2	13.77	14.75	---	30.19	20.83	26.53	---	17.33	25.23	17.09	16.37	14.27
3	13.72	14.91	---	29.76	21.39	25.82	---	17.00	24.54	20.49	16.29	14.71
4	13.80	14.80	26.50	29.19	22.13	25.19	---	16.88	23.99	23.81	16.14	14.52
5	13.90	14.96	28.67	28.41	23.71	25.35	---	16.76	23.07	24.55	16.09	13.78
6	13.79	15.33	30.15	27.72	26.42	25.24	---	16.81	21.81	24.16	16.04	13.23
7	13.69	15.55	30.98	26.73	27.01	25.79	---	17.56	20.80	23.33	15.76	12.90
8	13.84	16.19	31.28	25.59	26.54	26.82	---	19.70	20.26	22.97	15.29	13.56
9	14.29	17.43	31.10	25.25	26.13	27.36	---	20.71	20.19	23.01	14.85	14.54
10	14.61	17.38	30.58	24.95	27.18	27.31	---	20.80	20.23	23.46	14.55	15.27
11	14.54	16.82	30.50	24.51	27.63	---	---	20.57	20.28	23.54	14.24	15.08
12	14.67	16.24	30.66	24.03	27.58	---	---	20.15	20.08	22.73	13.96	14.67
13	14.62	15.57	30.23	23.56	27.14	---	---	19.50	19.17	22.12	13.80	14.32
14	14.50	15.03	29.92	23.15	26.62	---	---	18.53	18.25	21.72	13.87	14.04
15	14.52	14.67	30.81	22.62	25.94	---	---	17.97	17.53	20.93	13.77	13.84
16	14.71	14.47	30.91	22.10	25.16	---	---	17.76	16.87	20.61	13.50	13.82
17	14.82	14.61	30.51	21.47	24.26	---	---	17.69	16.63	20.87	13.39	13.77
18	14.75	14.71	30.01	21.11	23.46	---	---	18.16	16.49	20.91	13.51	13.52
19	14.58	14.54	29.52	20.96	22.86	---	---	20.76	16.32	20.78	13.73	13.24
20	14.38	15.03	28.93	20.83	22.29	---	16.71	23.75	16.30	20.43	13.79	13.01
21	14.12	14.84	28.21	20.62	22.12	---	16.82	25.45	17.06	20.42	13.81	12.91
22	14.01	14.81	27.38	20.38	23.98	---	16.91	27.20	17.04	20.56	13.90	12.81
23	14.02	14.75	26.63	20.19	25.13	---	17.07	27.86	16.41	20.23	13.95	12.87
24	13.94	15.59	25.88	20.04	26.34	---	17.22	28.35	16.12	19.50	13.94	12.70
25	13.79	16.09	25.32	19.94	28.36	---	17.19	28.42	16.09	19.03	14.02	12.46
26	13.68	16.39	26.30	19.87	28.97	---	17.13	28.22	16.27	18.89	14.06	12.42
27	13.63	16.64	27.82	19.76	28.64	---	17.38	27.79	16.25	18.67	13.92	12.56
28	13.66	17.25	28.75	19.54	27.94	---	18.16	27.36	16.12	18.12	13.79	12.48
29	14.40	18.68	29.13	19.30	---	---	18.45	27.08	16.05	17.68	13.64	12.28
30	14.73	21.30	29.26	19.05	---	---	18.21	26.78	16.06	17.08	13.59	12.23
31	14.74	---	29.70	18.84	---	---	---	26.54	---	16.63	13.64	---
MAX	14.82	21.30	31.28	30.19	28.97	27.36	---	28.42	26.05	24.55	16.43	15.27
MIN	13.63	14.47	---	18.84	19.97	---	---	16.76	16.05	16.21	13.39	12.23

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979, 1982 to September 1983 (discontinued).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: October 1981 to November 1982 (discontinued).

SUSPENDED-SEDIMENT DISCHARGE: October 1981 to November 1982 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 547 mg/L Oct. 20, 1981; minimum daily mean, 65 mg/L Nov. 8, 1981.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1610 tons Feb. 17, 1982; minimum daily 8.4 tons Oct. 9, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 19...	1130	488	6.9	20.5	15	10	8.0	19	6.2	K34	K22
NOV 17...	1730	389	6.7	13.5	40	15	7.0	16	.6	K30	1400
APR 06...	0845	107	6.5	15.5	50	10	8.1	22	1.1	K16	190

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 19...	150	37	15	37	2.9	133	30	52	.2
NOV 17...	120	30	10	31	2.1	88	21	48	.1
APR 06...	27	6.9	2.3	9.2	1.5	14	12	17	<.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 19...	11	288	265	30	.3	3.2	.13	6.6
NOV 17...	12	222	207	20	<.1	.7	.09	10
APR 06...	3.8	78	61	7	<.1	.3	.08	9.1

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

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

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BARIIUM, DIS- SOLVED (UG/L AS BA)	BARIIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS BA)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	
OCT 19...	1	2	170	110	<1	<1	10	2	3	5	10	
DATE	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	STRON- TIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	
OCT 19...	2800	<1	10	430	540	<.1	<.01	<1	<1	260	26	
DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	
OCT 19...	<4	9	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	
DATE	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 19...	4.4	<.001	12	<.001	1.7	.03	<.1	<.001	<.1	<.001	<.1	
DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	
OCT 19...	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 19...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	
DATE	PFR- THANE TOTAL (UG/L)	PFR- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 19...	<.1	<1	<1	<10	<.01	<.1	.32	<.01	.01	<.01	<.01	
< Actual value is known to be less than the value shown.												

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

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC				
08...	3610	12	117	79
JAN				
11...	6760	44	803	80
FEB				
16...	12300	47	1560	91
MAR				
08...	9980	30	808	68
APR				
06...	3600	25	243	96
MAY				
11...	1082	21	61	95
JUN				
07...	2150	31	180	85
JUL				
12...	199	8	4.3	81
AUG				
09...	310	40	33	92
SEP				
07...	E.00	--	--	--

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), OCTOBER TO NOVEMBER 1982

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER	
1	194	17	169	55
2	160	13	160	52
3	165	12	188	66
4	190	13	146	51
5	190	13	128	45
6	150	9.3	130	56
7	155	9.2	128	66
8	134	8.7	128	76
9	104	8.4	170	106
10	132	14	183	99
11	127	15	174	85
12	138	30	150	53
13	121	29	---	---
14	168	45	---	---
15	170	44	---	---
16	192	47	---	---
17	198	48	---	---
18	140	42	---	---
19	92	30	---	---
20	144	43	---	---
21	142	38	---	---
22	168	43	---	---
23	E 173	42	---	---
24	178	42	---	---
25	178	40	---	---
26	197	48	---	---
27	194	49	---	---
28	182	49	---	---
29	169	55	---	---
30	168	59	---	---
31	172	60	---	---

E Estimated.

RED RIVER BASIN

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°18'00", long 93°49'40", in SW1/4 sec. 8, T. 15 N., R. 14 W., Caddo Parish, Hydrologic Unit 11140206, on downstream side of bridge on U.S. Highway 171, immediately downstream from Texas and Pacific Railroad bridge, 2.0 mi south of Keithville, and 6.0 mi upstream from mouth of Boggy Bayou.

DRAINAGE AREA.--66 mi².

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

REVISED RECORDS.--WSP 1211: Drainage area.

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

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--18 years (1939-56, 1983), 76.6 ft³/s, 15.76 in/yr, 55,500 acre-ft/yr.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 15	1430	4250	10.97	Feb. 10	0630	3590	10.83
Feb. 5	2400	*4350	*10.99				

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.0	18	44	523	28	18	8.8	20	2.0	.00	.00
2	.00	5.3	22	74	336	26	27	9.3	18	1.5	.00	.00
3	.00	59	170	61	86	25	15	9.6	16	1.2	.00	.00
4	.00	10	493	38	54	34	7.1	10	17	.84	.00	.00
5	.00	5.0	141	29	1160	375	7.9	10	43	1.0	.00	.00
6	.00	3.0	64	24	2010	212	11	11	204	3.0	.00	.00
7	.00	3.0	30	20	304	75	12	12	131	2.0	.00	.00
8	.00	2.5	17	19	100	46	11	14	15	1.0	.00	.00
9	.41	2.5	13	20	239	31	9.1	12	10	.50	.00	.00
10	3.4	2.0	17	18	2120	23	8.4	11	9.1	.40	.00	.00
11	.19	1.3	296	16	396	17	6.7	13	8.0	.35	.00	.00
12	.06	1.4	712	14	110	14	6.7	15	7.0	.32	.00	.00
13	.07	1.3	189	11	73	13	7.8	13	6.1	.24	.00	.00
14	.09	1.2	68	11	53	14	9.0	14	5.4	.20	.30	.00
15	.30	1.0	2430	11	40	15	8.4	20	4.0	.28	5.8	.00
16	.26	2.1	880	11	31	16	6.6	30	4.4	.33	.02	.00
17	.20	3.3	136	10	24	17	6.4	25	4.0	.28	.00	.00
18	.13	29	62	13	19	18	6.1	40	3.6	.24	.00	.00
19	.08	26	42	16	16	17	6.1	100	3.0	.20	.00	.00
20	.09	160	28	20	15	21	5.8	250	2.6	.16	.00	.00
21	.08	35	21	24	515	34	6.1	571	2.4	.13	.00	.00
22	.08	46	17	24	2070	25	8.0	1400	2.0	.10	.00	.00
23	.06	25	18	24	584	47	9.3	166	2.1	.16	.00	.00
24	.05	35	20	23	151	282	9.6	33	2.4	.10	.00	.00
25	.03	20	28	28	82	94	9.1	15	2.7	.07	.00	.00
26	.00	12	823	34	55	117	8.8	13	19	.05	.00	.00
27	.00	121	1460	31	40	326	9.1	13	10	.04	.00	.00
28	.00	426	1070	29	33	72	9.3	14	5.0	.03	.03	.00
29	.68	84	216	28	---	30	9.6	13	2.6	.02	.04	.00
30	7.2	31	77	27	---	17	9.6	21	1.5	.01	.04	.00
31	2.6	---	50	32	---	19	---	21	---	.00	.02	---
TOTAL	16.06	1155.9	9628	784	11239	2100	284.6	2907.7	580.9	16.75	6.25	.00
MEAN	.52	38.5	311	25.3	401	67.7	9.49	93.8	19.4	.54	.20	.000
MAX	7.2	426	2430	74	2120	375	27	1400	204	3.0	5.8	.00
MIN	.00	1.0	13	10	15	13	5.8	8.8	1.5	.00	.00	.00
CFSM	.008	.58	4.71	.38	6.08	1.03	.14	1.42	.29	.008	.003	.000
IN.	.01	.65	5.43	.44	6.33	1.18	.16	1.64	.33	.01	.00	.00
AC-FT	32	2290	19100	1560	22290	4170	565	5770	1150	33	12	.00

WTR YR 1983 TOTAL 28719.16 MEAN 78.7 MAX 2430 MIN .00 CFSM 1.19 IN 16.19 AC-FT 56960

RED RIVER BASIN

65

07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.45	2.97	3.66	8.64	2.99	3.16	3.39	3.56	3.33	3.58	3.57
2	---	2.62	3.06	4.39	7.49	2.91	3.43	3.43	3.49	3.43	3.54	3.53
3	---	4.12	5.87	4.08	4.67	2.88	3.10	3.46	3.43	3.48	3.53	3.50
4	1.68	2.79	8.78	3.53	3.90	3.12	2.83	3.47	3.46	3.49	3.51	3.48
5	1.67	2.19	5.67	3.27	7.83	7.98	2.87	3.46	4.05	---	3.49	3.45
6	1.66	2.01	4.15	3.13	10.28	6.46	2.97	3.48	6.62	---	3.50	3.43
7	1.77	2.19	3.30	3.02	7.35	4.22	3.02	3.54	5.58	---	3.55	3.41
8	1.90	2.32	2.94	3.00	4.98	3.46	2.98	3.69	3.49	---	3.55	3.39
9	2.09	2.37	2.80	3.01	6.18	3.07	2.93	3.63	3.10	---	3.53	3.38
10	2.51	2.40	2.91	2.96	10.39	2.81	2.90	3.57	3.07	---	3.51	3.36
11	2.22	2.42	6.94	2.89	7.96	2.67	2.84	3.65	3.17	---	3.49	3.34
12	2.18	2.44	9.54	2.83	5.18	2.57	2.84	3.75	3.25	3.54	3.48	3.32
13	2.19	2.45	6.12	2.75	4.37	2.54	2.88	3.64	3.32	3.56	3.49	3.29
14	2.21	2.46	4.22	2.72	3.90	2.57	2.93	3.65	3.39	3.58	3.55	3.27
15	2.27	2.48	10.15	2.72	3.57	2.59	2.91	---	3.46	3.58	3.97	3.24
16	2.26	2.50	9.41	2.73	3.32	2.63	2.83	---	3.55	3.57	3.55	3.21
17	2.25	2.60	5.54	2.72	3.14	2.67	2.83	---	3.61	3.59	3.45	3.19
18	2.23	3.46	4.11	2.80	2.99	2.69	2.88	---	3.65	3.61	3.43	3.17
19	2.20	3.35	3.61	2.90	2.90	2.65	2.97	---	3.67	3.60	3.46	3.19
20	2.21	5.95	3.26	3.01	2.86	2.77	3.06	---	3.67	3.60	3.46	3.23
21	2.20	3.65	3.05	3.12	6.92	3.14	3.07	9.10	3.70	3.61	3.48	3.25
22	2.20	3.91	2.93	3.13	10.41	2.89	3.17	9.96	3.67	3.62	3.51	3.22
23	2.18	3.38	2.95	3.13	8.98	3.44	3.24	5.89	3.73	3.63	3.53	3.20
24	2.17	3.60	3.02	3.11	5.77	7.37	3.25	3.84	3.76	3.65	3.53	3.18
25	2.15	3.14	3.25	3.25	4.40	4.89	3.23	3.39	3.78	3.66	3.51	3.16
26	2.13	2.85	8.78	3.42	3.69	5.08	3.21	3.31	4.19	3.67	3.50	3.14
27	2.12	4.77	10.24	3.33	3.31	7.68	3.24	3.33	3.41	3.67	3.54	3.12
28	2.10	8.39	9.86	3.29	3.12	4.46	3.31	3.35	3.31	3.66	3.60	3.10
29	2.33	4.55	6.52	3.24	---	3.47	3.36	3.32	3.24	3.65	3.61	3.08
30	2.69	3.32	4.46	3.22	---	3.12	3.37	3.56	3.15	3.63	3.61	3.06
31	2.48	---	3.83	3.35	---	3.21	---	3.58	---	3.60	3.59	---
MAX	2.69	8.39	10.24	4.39	10.41	7.98	3.43	9.96	6.62	---	3.97	3.57
MIN	---	2.01	2.80	2.72	2.86	2.54	2.83	3.31	3.07	3.33	3.43	3.06

RED RIVER BASIN

07351571 BAYOU PIERRE BELOW CASPIANA, LA

LOCATION.--Lat 32°11'31", long 93°33'16", in SE1/4NW1/4 sec. 24, T.14 N., R.12 W., De Soto-Red River Parish line, Hydrologic Unit 11140206, near left bank on downstream side of La Coupe bridge on Parish Road 11, 1.2 mi upstream from Prairie River, and 6.8 mi south of Caspiana.

DRAINAGE AREA.--340 mi², approximately.

PERIOD OF RECORD.--Water years 1979 to January 1983 (discontinued).

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 19...	1430	529	6.9	23.5	10	8.0	8.3	22	1.5	K12
NOV 17...	1430	352	6.7	11.0	200	180	8.4	24	3.5	K7100
DEC 08...	1340	191	6.1	15.0	120	45	7.1	36	3.7	130
JAN 11...	1030	139	6.9	10.0	100	15	8.6	17	--	K50

DATE	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD AS CAC03)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
OCT 19...	180	170	41	16	44	4.8	152	37	55
NOV 17...	>50000	110	26	12	27	4.7	93	25	32
DEC 08...	930	46	12	3.9	20	4.2	41	19	18
JAN 11...	750	44	11	3.9	7.9	3.4	37	11	8.6

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 19...	.3	12	313	301	7	.2	1.8	.11	6.3
NOV 17...	.2	12	213	192	124	.8	2.1	.44	12
DEC 08...	<.1	10	129	112	44	.3	1.1	.62	9.6
JAN 11...	.1	8.8	96	77	26	.3	.5	.32	13

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC, TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CADMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)
OCT 19...	4	<1	130	10	<1	<1	10	1	3	1	5	1600
JAN 11...	2	--	49	--	<1	--	<10	--	5	--	400	--

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

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

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

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	STRON- TIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 19...	6	<10	80	48	<.1	<.01	<1	<1	310	2	<4	3
JAN 11...	5	--	99	--	.2	--	<1	--	87	--	8	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 19...	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.001	.4	<.001	<.001

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	1.4	<.001	.4	.04	<.1	.002	<.1	<.001	<.1	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR, EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	.02	<.1

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 19...	<.1	<1	<1	<10	<.01	<.1	9.5	<.01	<.01	<.01

DATE	SED- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	194	76
NOV 17...	278	99
DEC 08...	58	72
JAN 11...	32	59

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

RED RIVER BASIN

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA

LOCATION.--Lat 32°04'41", long 93°30'36", in SE1/4SE1/4 sec.29, T.13 N., R.11 W., DeSoto Parish, Hydrologic Unit 11140206, near left bank on downstream side of bridge on U.S. Highway 84, 0.7 mi upstream from Bailey Bayou, and 2.8 mi west of the village of Grand Bayou, and 10.8 mi downstream from gaging station Bayou Pierre below Caspiana (station 07351571).

DRAINAGE AREA.--661 mi².

PERIOD OF RECORD.--October 1979 to current year. October 1977 to September 1979 (daily gage heights, annual maximums, and daily discharge below 400 ft³/s only). October 1946 to November 1954, August 1956 to August 1957, and since September 1960, gage heights and discharge measurements in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 101.13 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,260 ft³/s Jan. 22, 1979, gage height, 26.93 ft; minimum discharge, 4.1 ft³/s June 9, 10, 11, 1982; minimum gage height, 4.68 ft Oct. 3, 4, 5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1933 reached a stage of 35.4 ft, from floodmark; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,220 ft³/s May 23, gage height, 26.85 ft; minimum, 8.9 ft³/s Oct. 2, 3, 5; gage height 4.71 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	151	785	4740	1920	1760	727	73	668	438	31	15
2	9.6	186	637	3630	2260	1510	619	68	568	302	29	15
3	9.6	332	1350	2770	2150	1330	516	79	483	231	29	14
4	9.6	272	1830	2180	1810	1350	423	74	430	180	28	14
5	9.6	260	1580	1840	2320	2550	371	71	476	145	28	14
6	11	214	1320	1580	4830	3590	325	65	1180	133	28	14
7	13	167	1150	1330	5510	3380	288	58	1370	138	43	15
8	17	136	920	1150	5300	2540	265	51	1250	108	104	14
9	21	116	715	976	4840	1850	245	49	1130	87	95	15
10	52	103	624	819	6310	1410	223	49	936	74	73	17
11	73	92	1340	667	6780	1120	199	65	747	63	50	15
12	163	83	1930	559	6690	864	174	114	615	54	41	19
13	137	73	1970	483	6160	718	159	173	515	49	35	19
14	85	59	1890	412	5270	624	147	138	439	45	31	16
15	81	50	4360	368	3950	545	137	188	382	46	30	14
16	68	45	6180	314	2820	482	121	348	327	50	32	13
17	53	202	6570	279	2130	480	106	462	295	66	35	12
18	42	275	6140	260	1800	567	98	419	272	71	35	14
19	36	238	5150	243	1580	636	88	595	247	75	31	21
20	44	400	3580	238	1420	623	80	2920	230	66	26	29
21	35	315	2410	231	1680	574	80	5320	211	70	29	67
22	35	257	1790	218	4110	504	82	6660	196	75	26	68
23	42	270	1430	209	5860	621	88	7180	180	67	22	57
24	37	416	1240	203	6010	1220	150	6960	165	59	21	41
25	32	406	1150	242	5330	1370	140	6350	170	52	20	29
26	28	359	2470	241	3970	1460	104	5280	413	47	19	23
27	24	599	5080	245	2820	1620	90	3430	770	42	24	20
28	23	900	6870	242	2120	1490	82	2090	1120	38	46	19
29	189	874	7130	232	---	1340	78	1400	1020	36	32	18
30	182	787	6730	219	---	1170	76	1010	684	34	22	16
31	176	---	5990	429	---	916	---	801	---	32	17	---
TOTAL	1747.4	8637	92311	27549	107750	40214	6281	52540	17489	2973	1112	677
MEAN	56.4	288	2978	889	3848	1297	209	1695	583	95.9	35.9	22.6
MAX	189	900	7130	4740	6780	3590	727	7180	1370	438	104	68
MIN	9.6	45	624	203	1420	480	76	49	165	32	17	12
CFSM	.09	.44	4.51	1.35	5.82	1.96	.32	2.56	.88	.15	.05	.03
IN.	.10	.49	5.20	1.55	6.06	2.26	.35	2.96	.98	.17	.06	.04
AC-FT	3470	17130	183100	54640	213700	79760	12460	104200	34690	5900	2210	1340

CAL YR 1982 TOTAL 160017.5 MEAN 438 MAX 7130 MIN 4.3 CFSM .66 IN 9.01 AC-FT 317400
WTR YR 1983 TOTAL 359280.4 MEAN 984 MAX 7180 MIN 9.6 CFSM 1.49 IN 20.22 AC-FT 712600

RED RIVER BASIN

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07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.73	5.77	7.84	21.41	12.72	11.90	7.70	5.30	7.55	6.89	4.94	4.78
2	4.72	5.92	7.46	18.59	14.39	10.57	7.41	5.26	7.27	6.44	4.92	4.77
3	4.72	6.55	10.15	16.09	13.95	9.69	7.12	5.34	7.02	6.14	4.92	4.77
4	4.72	6.32	12.25	14.00	12.14	9.80	6.85	5.31	6.87	5.91	4.91	4.76
5	4.72	6.27	10.95	12.30	13.96	15.21	6.69	5.28	6.99	5.74	4.91	4.77
6	4.74	6.06	9.63	10.91	21.62	18.49	6.53	5.24	9.08	5.68	4.90	4.77
7	4.75	5.85	8.85	9.68	23.25	17.90	6.39	5.18	9.85	5.71	5.04	4.77
8	4.80	5.70	8.19	8.85	22.76	15.31	6.29	5.12	9.26	5.54	5.52	4.77
9	4.83	5.59	7.67	8.35	21.66	12.38	6.21	5.10	8.75	5.41	5.47	4.78
10	5.12	5.51	7.43	7.93	25.02	10.09	6.11	5.10	8.24	5.30	5.30	4.80
11	5.30	5.44	9.84	7.54	25.98	8.76	6.00	5.23	7.75	5.22	5.11	4.78
12	5.80	5.38	12.81	7.25	25.80	8.05	5.88	5.57	7.40	5.15	5.03	4.81
13	5.69	5.30	13.02	7.02	24.72	7.68	5.81	5.88	7.12	5.10	4.98	4.82
14	5.39	5.19	12.54	6.81	22.68	7.43	5.75	5.71	6.89	5.07	4.93	4.79
15	5.36	5.11	20.33	6.68	19.42	7.21	5.70	5.94	6.72	5.08	4.93	4.77
16	5.26	5.06	24.76	6.49	16.23	7.02	5.62	6.60	6.54	5.11	4.94	4.76
17	5.14	5.96	25.55	6.35	13.78	7.02	5.54	6.96	6.42	5.24	4.98	4.75
18	5.04	6.33	24.67	6.27	12.09	7.27	5.48	6.83	6.32	5.28	4.98	4.76
19	4.99	6.17	22.39	6.20	10.94	7.46	5.41	7.35	6.21	5.31	4.94	4.83
20	5.05	6.77	18.44	6.18	10.12	7.43	5.35	15.92	6.14	5.25	4.88	4.91
21	4.98	6.49	14.86	6.14	11.46	7.29	5.35	22.79	6.05	5.28	4.92	5.26
22	4.97	6.25	12.02	6.08	19.75	7.09	5.37	25.74	5.98	5.32	4.89	5.26
23	5.04	6.31	10.18	6.04	24.07	7.39	5.41	26.77	5.91	5.25	4.85	5.17
24	4.99	6.83	9.21	6.02	24.41	9.18	5.76	26.34	5.84	5.19	4.84	5.03
25	4.94	6.79	8.82	6.19	22.83	9.89	5.71	25.11	5.86	5.13	4.83	4.92
26	4.90	6.65	14.72	6.19	19.46	10.31	5.52	22.69	6.69	5.08	4.82	4.85
27	4.87	7.33	22.19	6.21	16.25	11.12	5.43	17.99	7.81	5.04	4.87	4.82
28	4.85	8.14	26.15	6.19	13.75	10.48	5.37	13.47	8.74	5.01	5.08	4.81
29	5.88	8.07	26.67	6.15	---	9.73	5.34	10.02	8.45	4.98	4.95	4.80
30	5.92	7.85	25.88	6.09	---	8.92	5.33	8.45	7.58	4.97	4.85	4.79
31	5.89	---	24.34	6.76	---	8.18	---	7.88	---	4.95	4.80	---
MAX	5.92	8.14	26.67	21.41	25.98	18.49	7.70	26.77	9.85	6.89	5.52	5.26
MIN	4.72	5.06	7.43	6.02	10.12	7.02	5.33	5.10	5.84	4.95	4.80	4.75

RED RIVER BASIN

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN, LA

LOCATION.--Lat 31°57'35", long 93°27'05", in NE1/4 NW1/4 sec. 12, T. 11 N., R. 11 W., DeSoto Parish, Hydrologic Unit 11140206, near center span on downstream side of bridge on State Highway 177, 0.1 mi upstream from Dolet Bayou, and 0.6 mi northeast of Rambin.

DRAINAGE AREA.--32.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1979 to current year.

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

REMARKS.--Records poor. Lowest recordable stage 1.62 ft.

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

EXTREMES FOR CURRENT PERIOD.--Water year 1980: Maximum discharge, 347 ft³/s May 17, 1980, gage height, 9.76 ft; no flow many days.

Water year 1981: Maximum discharge, 105 ft³/s Sept. 3, gage height, 5.64 ft; no flow many days.

Water year 1982: Maximum discharge, 423 ft³/s Apr. 21, gage height, 10.85 ft; no flow many days.

Water year 1983: Maximum discharge, 484 ft³/s May 22, gage height, 11.63 ft; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.1	.20	8.5	44	11	140	28	9.7	.34	.00	.00
2	.00	.90	.13	7.7	37	9.5	120	36	8.1	.28	.00	.00
3	.00	.70	.10	10	28	9.0	150	64	6.9	.22	.00	.00
4	.00	.45	.40	9.7	23	8.3	130	67	6.1	.13	.00	.00
5	.00	.30	1.0	9.0	19	8.3	110	51	5.1	.07	.00	.00
6	.00	.20	.90	8.5	17	7.3	93	36	4.6	.04	.00	.00
7	.00	.10	.30	8.3	14	7.9	83	27	4.0	.00	.00	.00
8	.00	.07	.20	7.5	21	8.1	74	23	3.5	.00	.00	.00
9	.00	.20	.17	6.5	71	7.1	66	19	3.3	.00	.00	.00
10	.00	.19	.15	6.0	116	6.7	60	17	2.7	.00	.00	.00
11	.00	.16	.14	6.7	122	6.3	100	15	2.2	.00	.00	.00
12	.00	.10	10	5.5	107	6.0	196	14	1.9	.00	.00	.00
13	.00	.05	30	4.6	87	5.3	273	13	1.3	.00	.00	.00
14	.00	.03	26	4.4	61	4.4	320	14	.98	.00	.00	.00
15	.00	.01	22	4.0	38	3.8	306	29	.82	.00	.00	.00
16	.00	.00	18	3.8	26	8.3	280	239	.57	.00	.00	.00
17	.00	.00	13	4.0	21	14	256	344	.41	.00	.00	.00
18	.00	.00	10	3.8	17	24	235	332	.32	.00	.00	.00
19	.00	.00	8.5	3.5	15	35	216	299	.41	.00	.00	.00
20	.00	.00	7.5	6.5	13	63	198	264	.61	.00	.00	.00
21	.20	.20	6.7	13	11	134	183	228	1.0	.00	.00	.00
22	.18	5.0	7.3	81	10	150	170	195	1.2	.00	.00	.00
23	.11	4.5	14	128	8.8	130	158	163	1.8	.00	.00	.00
24	.05	3.0	27	131	7.7	100	138	132	1.9	.00	.00	.00
25	.02	2.7	28	113	6.7	80	113	104	2.2	.00	.00	.00
26	.01	2.0	27	94	5.8	60	107	80	2.0	.00	.00	.00
27	.00	1.0	20	71	5.3	45	97	52	1.5	.00	.00	.00
28	.00	.60	16	44	5.1	100	78	28	1.1	.00	.00	.00
29	.00	.44	13	32	6.3	190	56	19	.65	.00	.00	.00
30	.00	.30	11	32	---	150	37	14	.47	.00	.00	.00
31	.01	---	10	43	---	170	---	12	---	.00	.00	---
TOTAL	.58	24.30	328.69	910.5	963.7	1562.3	4543	2958	77.34	1.08	.00	.00
MEAN	.019	.81	10.6	29.4	33.2	50.4	151	95.4	2.58	.035	.000	.000
MAX	.20	5.0	30	131	122	190	320	344	9.7	.34	.00	.00
MIN	.00	.00	.10	3.5	5.1	3.8	37	12	.32	.00	.00	.00
AC-FT	1.2	.48	.652	1810	1910	3100	9010	5870	153	2.1	.00	.00

WTR YR 1980 TOTAL 11369.49 MEAN 31.1 MAX 344 MIN .00 AC-FT 22550

NOTE.--Below lowest recordable stage 1.62 ft, July 11 to Sept. 17, Sept. 19-30. No gage height record Oct. 1 to Dec. 13.

RED RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.20	6.7	23	1.5	.53	.02	.00	35
2	.00	.00	.00	.00	1.0	8.8	19	1.6	2.5	.00	.00	70
3	.00	.00	.00	.00	.50	8.5	15	1.5	15	.00	.00	92
4	.00	.00	.00	.00	.30	58	13	1.5	15	.00	.00	76
5	.00	.00	.00	.05	.17	56	11	2.7	50	.00	.00	56
6	.00	.00	.00	.80	3.5	50	9.0	4.0	78	.09	.00	36
7	.00	.00	.00	.50	3.0	34	7.5	5.0	88	.15	.00	19
8	.00	.00	.00	.30	.50	22	6.3	3.5	74	.06	.00	12
9	.00	.00	.03	.10	12	15	5.3	8.0	56	.01	.00	9.5
10	.00	.00	.05	.05	32	11	4.4	17	39	.00	.00	6.5
11	.00	.00	.09	.01	28	7.7	3.7	38	26	.00	.00	3.8
12	.00	.00	.07	.00	27	6.0	3.0	30	20	.00	.00	2.2
13	.00	.00	.02	.00	21	5.1	2.6	22	21	.00	.00	1.4
14	.00	.00	.01	.00	16	4.0	2.0	16	15	.00	.00	.87
15	.00	.00	.00	.00	12	3.5	1.6	11	11	.00	.00	.65
16	.00	.00	.00	.00	10	3.2	1.3	16	8.3	.00	.00	.39
17	.00	.00	.00	.00	8.3	2.9	1.1	22	5.8	.00	.00	.24
18	.00	.00	.00	.00	7.1	2.5	.98	18	3.7	.00	.00	.13
19	.00	.00	.00	.04	6.1	2.3	.98	13	2.6	.00	.00	.06
20	.00	.00	.00	.15	5.3	2.1	.82	9.5	1.7	.00	.00	.00
21	.00	.00	.00	.80	4.8	2.2	.73	6.8	1.3	.00	.00	.00
22	.00	.00	.00	3.0	5.1	2.6	.69	5.0	.93	.00	.00	.00
23	.00	.00	.00	2.5	4.6	2.6	.78	3.7	.69	.00	.00	.00
24	.00	.00	.00	2.3	4.4	2.3	.93	2.7	.53	.00	.00	.00
25	.00	.00	.00	2.4	4.0	2.2	.78	2.0	.41	.00	.00	.00
26	.00	.00	.00	1.9	3.8	2.1	.69	10	.36	.00	.00	.00
27	.00	.00	.00	.80	3.8	2.0	.57	5.5	.30	.00	.00	.00
28	.00	.00	.00	.30	3.7	1.9	.53	3.0	.20	.00	.00	.00
29	.00	.00	.00	.13	---	6.0	.47	1.7	.13	.00	.00	.00
30	.00	.00	.00	.06	---	10	.57	1.0	.07	.00	.00	.00
31	.00	---	.00	.03	---	18	---	.56	---	.00	.00	---
TOTAL	.00	.00	.27	16.22	228.17	361.2	138.32	283.76	538.05	.33	.00	421.74
MEAN	.000	.000	.009	.52	8.15	11.7	4.61	9.15	17.9	.011	.000	14.1
MAX	.00	.00	.09	3.0	32	58	23	38	88	.15	.00	92
MIN	.00	.00	.00	.00	.17	1.9	.47	.56	.07	.00	.00	.00
AC=FT	.00	.00	.5	32	453	716	274	563	1070	.7	.00	837
CAL YR 1980 TOTAL	11016.19			MEAN 30.1	MAX 344	MIN .00	AC=FT 21850					
WTR YR 1981 TOTAL	1988.06			MEAN 5.45	MAX 92	MIN .00	AC=FT 3940					

NOTE.--Below lowest recordable stage 1.62 ft, Oct. 1-26, Oct. 28 to Dec. 2, July 24 to Aug. 31. Indefinite stage-discharge relation Dec. 9 to Feb. 9.

RED RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.09	.00	.28	11	18	4.7	150	.41	.60	1.0	.00
2	.00	.12	1.2	.78	13	15	4.3	124	.35	.30	1.3	.00
3	.00	.16	.56	1.1	13	13	8.0	100	.27	.10	1.1	.00
4	.00	.18	.30	1.6	11	11	6.0	78	.19	.02	.92	.00
5	.00	.19	.10	2.1	9.9	9.4	6.5	55	.12	.00	.66	.00
6	.00	.17	.03	2.5	13	9.3	5.3	32	.07	.00	.42	.00
7	.00	.15	.00	1.4	12	9.8	3.8	22	.03	.00	.40	.00
8	.00	.13	.00	2.4	14	11	3.4	17	.00	.00	.60	.00
9	.01	.17	.00	3.3	22	11	2.7	13	.00	.00	.47	.00
10	.00	.18	.00	5.2	20	10	2.4	10	.00	.00	.37	.00
11	.00	.11	.00	7.3	19	8.5	2.5	7.8	.00	.00	.27	.00
12	.08	.02	.00	6.3	16	7.2	2.0	6.6	.01	.00	.19	.00
13	.15	.00	.00	6.0	13	6.6	1.7	6.1	.00	.00	.09	.00
14	.11	.00	.35	5.5	11	5.7	1.6	8.1	.00	.00	.03	.00
15	.05	.00	1.3	4.1	13	4.9	1.4	6.9	.00	.00	.00	.00
16	.00	.00	.64	4.4	52	4.3	1.2	6.0	.00	.00	.00	.00
17	.02	.00	.33	5.0	47	3.5	100	5.2	.00	.00	.00	.00
18	.07	.00	.16	5.0	47	2.8	192	6.0	.00	.00	.00	.00
19	.06	.00	.08	4.7	34	2.1	190	9.2	.00	.00	.00	.00
20	.03	.00	.04	4.8	23	1.8	320	5.4	.19	.00	.00	10
21	.00	.00	.02	4.0	18	7.4	414	3.7	.44	.00	.00	2.5
22	.00	.00	.00	10	14	18	410	2.8	.42	.00	.00	.85
23	.03	.00	.00	9.0	12	18	383	2.2	.88	.00	.00	.51
24	.02	.00	.00	7.0	9.9	21	351	2.1	.90	.00	.00	.31
25	.05	.00	.00	6.0	8.2	18	317	1.8	.77	.00	.00	.22
26	.08	.00	.00	5.3	14	13	287	1.4	.49	.00	.00	.12
27	.07	.00	.00	4.6	16	11	261	1.2	.33	.00	.00	.06
28	.06	.00	.00	4.0	18	9.3	231	1.0	.30	.00	.00	.00
29	.06	.00	.00	3.8	---	7.6	203	.93	2.0	.00	.00	.00
30	.06	.00	.00	6.1	---	6.5	176	.73	1.5	.04	.00	.00
31	.07	---	.07	12	---	5.9	---	.55	---	.27	.00	---
TOTAL	1.08	1.67	5.18	145.56	524.0	300.6	3892.5	686.71	9.67	1.33	7.82	14.57
MEAN	.035	.056	.17	4.70	18.7	9.70	130	22.2	.32	.043	.25	.49
MAX	.15	.19	1.3	12	52	21	414	150	2.0	.60	1.3	10
MIN	.00	.00	.00	.28	8.2	1.8	1.2	.55	.00	.00	.00	.00
AC=FT	2.1	3.3	10	289	1040	596	7720	1360	19	2.6	16	29
CAL YR 1981	TOTAL	1995.72	MEAN	5.47	MAX	92	MIN	.00	AC=FT	3960		
WTR YR 1982	TOTAL	5590.69	MEAN	15.3	MAX	414	MIN	.00	AC=FT	11090		

NOTE.--Below lowest recordable stage 1.62 ft, Oct. 4, 5, July 18-27, Aug. 20 to Sept. 19. Indefinite stage-discharge relation Dec. 2-14, Dec. 16 to Jan. 1.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	3.3	100	240	120	85	15	3.9	147	19	1.0	.00
2	.00	31	80	219	130	69	12	3.2	119	16	.85	.00
3	.00	27	200	190	110	50	10	6.3	95	12	1.3	.00
4	.00	20	250	170	60	41	9.5	7.3	74	9.5	1.0	.00
5	.00	17	240	145	200	70	12	6.8	50	7.4	.80	.00
6	.00	13	200	125	210	114	20	5.4	51	6.0	1.7	.00
7	.00	8.5	180	100	160	112	21	3.6	53	4.9	1.2	.00
8	.00	5.5	160	90	120	98	19	2.9	45	4.2	.80	.00
9	.07	2.9	150	75	100	83	17	2.1	31	3.4	.50	.00
10	.39	1.9	130	67	300	68	16	1.5	22	2.7	.33	.00
11	.37	1.8	140	54	290	52	15	6.0	17	1.4	.22	.00
12	59	3.0	130	38	220	40	14	9.7	13	1.1	.20	.00
13	38	2.6	120	28	170	34	13	12	11	.92	.10	.00
14	21	1.5	111	24	130	26	12	10	8.7	1.0	.03	.00
15	18	1.1	184	21	100	20	10	11	7.9	1.3	.02	.00
16	14	1.0	261	19	80	16	8.7	25	8.6	1.4	.01	.00
17	9.2	13	245	18	60	14	7.4	46	8.5	1.5	.01	.00
18	6.6	9.0	217	17	49	20	6.5	49	8.7	2.6	.05	.00
19	7.8	10	188	16	39	30	5.6	110	7.9	3.8	.50	.00
20	16	11	161	20	31	40	5.4	292	6.4	4.4	.40	.00
21	14	7.2	135	21	150	30	6.0	454	5.0	7.7	.30	.00
22	9.0	10	110	22	181	18	7.2	480	5.1	7.9	.12	.00
23	6.0	25	86	22	210	12	13	459	11	7.4	.08	.00
24	4.6	19	70	20	200	28	15	424	11	6.7	.04	.00
25	3.2	22	143	18	177	50	15	389	15	4.7	.00	.00
26	2.4	22	301	50	152	40	12	353	27	3.1	.00	.00
27	2.0	39	350	45	127	45	9.0	313	47	2.3	.00	.00
28	11	44	326	48	104	35	6.9	274	48	1.8	.00	.00
29	8.0	42	292	40	---	28	5.6	238	34	1.5	.00	.00
30	6.0	30	258	30	---	22	4.5	204	25	1.3	.00	.00
31	4.5	---	243	40	---	18	---	175	---	1.1	.00	---
TOTAL	261.13	444.3	5761	2032	3980	1408	343.3	4376.7	1012.8	150.02	11.56	.00
MEAN	8.42	14.8	186	65.5	142	45.4	11.4	141	33.8	4.84	.37	.000
MAX	59	44	350	240	300	114	21	480	147	19	1.7	.00
MIN	.00	1.0	70	16	31	12	4.5	1.5	5.0	.92	.00	.00
AC-FT	518	881	11430	4030	7890	2790	681	8680	2010	298	23	.00
CAL YR 1982 TOTAL	12049.19			MEAN 33.0	MAX 414	MIN .00	AC-FT 23900					
WTR YR 1983 TOTAL	19780.81			MEAN 54.2	MAX 480	MIN .00	AC-FT 39240					

NOTE.--Below lowest recordable stage 1.62 ft, Oct. 4-8, Sept. 4-22. Indefinite stage-discharge relation Oct. 22 to Nov. 1.

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	2.62	3.99	2.70	---	3.45	2.67	1.96		
2	---	---	---	2.58	3.77	2.66	---	3.75	2.60	1.93		
3	---	---	---	2.68	3.47	2.64	---	4.58	2.54	1.90		
4	---	---	---	2.67	3.24	2.61	---	4.68	2.50	1.85		
5	---	---	---	2.64	3.09	2.61	---	4.22	2.45	1.81		
6	---	---	---	2.62	2.99	2.56	---	3.74	2.43	1.78		
7	---	---	---	2.61	2.88	2.59	---	3.44	2.40	1.73		
8	---	---	---	2.57	3.17	2.60	---	3.25	2.37	1.69		
9	---	---	---	2.52	4.77	2.55	---	3.10	2.36	1.66		
10	---	---	---	2.49	5.86	2.53	---	2.99	2.32	1.63		
11	---	---	---	2.53	6.00	2.51	---	2.90	2.28			
12	---	---	---	2.47	5.66	2.49	7.42	2.85	2.25			
13	---	---	---	2.43	5.17	2.46	8.68	2.84	2.18			
14	---	---	3.37	2.42	4.50	2.42	9.38	2.85	2.13			
15	---	---	3.23	2.40	3.80	2.39	9.17	3.51	2.10			
16	---	---	3.03	2.39	3.40	2.61	8.79	8.14	2.04			
17	---	---	2.83	2.40	3.16	2.86	8.42	9.71	1.99			
18	---	---	2.69	2.39	2.99	3.29	8.08	9.55	1.95			1.63
19	---	---	2.62	2.37	2.90	3.71	7.76	9.08	1.99			
20	---	---	2.57	2.52	2.82	4.55	7.46	8.54	2.05			
21	---	---	2.53	2.80	2.75	6.25	7.18	7.96	2.14			
22	---	---	2.56	4.90	2.68	---	6.95	7.40	2.17			
23	---	---	2.85	6.13	2.63	---	6.73	6.82	2.24			
24	---	---	3.43	6.19	2.58	---	6.34	6.21	2.25			
25	---	---	3.47	5.81	2.53	---	5.81	5.60	2.28			
26	---	---	3.43	5.36	2.48	---	5.66	4.99	2.26			
27	---	---	3.15	4.76	2.46	---	5.43	4.25	2.21			
28	---	---	2.94	3.99	2.45	---	4.96	3.45	2.15			
29	---	---	2.83	3.61	2.51	---	4.37	3.08	2.06			
30	---	---	2.75	3.61	---	---	3.77	2.88	2.01			
31	---	---	2.68	3.97	---	---	---	2.76	---			---
MAX	---	---	3.47	6.19	6.00	---	9.38	9.71	2.67	1.96		1.63
MIN	---	---	---	2.37	2.45	2.39	3.77	2.76	1.95	---		---

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				2.95	2.93	2.53	3.28	2.21	2.03	1.88		3.81
2				2.96	2.99	2.63	3.07	2.22	2.30	1.86		4.80
3			1.77	2.96	2.97	2.62	2.92	2.20	2.92	1.85		5.34
4			1.97	2.96	2.97	4.42	2.83	2.20	2.91	1.82		4.96
5			2.02	2.97	2.99	4.36	2.75	2.32	4.19	1.85		4.46
6			2.04	3.02	3.09	4.21	2.64	2.40	4.96	1.95		3.85
7			2.05	2.93	3.02	3.71	2.57	---	5.20	1.99		3.22
8			2.08	2.90	2.91	3.27	2.51	---	4.84	1.94		2.95
9			2.29	2.96	2.77	2.97	2.46	---	4.38	1.89		2.85
10			2.53	3.01	3.61	2.80	2.42	---	3.86	1.85		2.71
11			2.76	3.00	3.46	2.68	2.38	---	3.40	1.80		2.59
12			2.85	2.98	3.41	2.59	2.34	---	3.15	1.78		2.49
13			2.78	2.95	3.17	2.54	2.31	---	3.20	1.75		2.41
14			2.86	2.93	2.93	2.49	2.26	---	2.95	---		2.34
15			2.91	2.90	2.79	2.45	2.22	---	2.78	---		2.29
16			2.93	2.87	2.68	2.43	2.18	---	2.65	---		2.22
17			2.94	2.85	2.61	2.40	2.15	---	2.52	---		2.16
18			2.94	2.82	2.55	2.37	2.13	---	2.43	---		2.11
19			2.94	2.81	2.50	2.35	2.13	---	2.36	---		2.06
20			2.94	2.92	2.46	2.33	2.10	---	2.29	---		2.02
21			2.93	2.97	2.44	2.33	2.08	---	2.24	---		1.98
22			2.93	3.01	2.45	2.36	2.07	---	2.19	---		1.94
23			2.93	3.02	2.43	2.35	2.09	---	2.14	---		1.91
24			2.93	3.00	2.42	2.33	2.12	---	2.10	---		1.89
25			2.94	2.97	2.40	2.31	2.09	---	2.07	---		1.87
26			2.95	2.93	2.39	2.30	2.07	---	2.05	---		1.84
27	1.64		2.94	2.90	2.39	2.28	2.04	---	2.03	---		1.81
28			2.94	2.85	2.38	2.27	2.03	---	1.98	---		1.78
29			2.93	2.83	---	2.50	2.01	---	1.95	---		1.75
30			2.93	2.79	---	2.70	2.04	---	1.91	---		1.70
31			2.95	2.77	---	3.05	---	---	---	---		---
MAX	---	---	---	3.02	3.61	4.42	3.28	---	5.20	---		5.34
MIN	---	---	---	2.77	2.38	2.27	2.01	---	1.91	---		1.70

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.69	2.44	2.94	2.78	3.13	3.32	2.70	6.57	2.13	---	2.13	
2	1.66	2.47	2.98	2.79	3.20	3.21	2.68	6.06	2.10	---	2.17	
3	1.63	2.51	2.99	2.83	3.21	3.10	2.86	5.53	2.06	---	2.16	
4		2.53	3.01	2.90	3.12	3.04	2.76	5.01	2.02	---	2.12	
5		2.53	2.99	2.94	3.08	2.94	2.79	4.41	1.98	---	2.06	
6	1.63	2.53	2.99	2.96	3.21	2.93	2.73	3.71	1.95	---	1.99	
7	1.66	2.52	2.99	2.84	3.13	2.95	2.66	3.33	1.92	---	1.98	
8	1.77	2.52	2.97	2.92	3.21	2.98	2.63	3.13	1.88	---	2.05	
9	2.01	2.56	2.99	2.98	3.52	3.00	2.59	2.96	1.83	---	2.01	
10	2.16	2.56	3.00	3.06	3.44	2.96	2.56	2.83	1.79	---	1.97	
11	2.16	2.52	3.00	3.14	3.43	2.89	2.57	2.73	1.76	---	1.93	
12	2.26	2.46	3.00	3.09	3.30	2.83	2.53	2.66	1.76	---	1.88	
13	2.32	2.42	3.00	3.06	3.17	2.80	2.50	2.64	1.73	1.71	1.82	
14	2.30	2.39	3.05	3.03	3.08	2.75	2.48	2.74	1.72	1.68	1.77	
15	2.27	2.36	3.06	2.96	3.13	2.71	2.46	2.68	1.70	1.65	1.72	
16	2.24	2.35	3.08	2.96	4.43	2.68	2.44	2.63	1.81	1.63	1.69	
17	2.26	2.36	3.10	2.99	4.31	2.64	---	2.59	1.88	1.63	1.67	
18	2.31	2.38	3.10	2.98	4.31	2.59	7.35	2.64	1.84		1.66	
19	2.31	2.39	3.12	2.95	3.93	2.54	7.31	2.79	1.81		1.64	
20	2.29	2.39	3.13	2.94	3.56	2.51	9.37	2.60	1.97			2.54
21	2.28	2.36	3.14	---	3.34	2.79	10.73	2.52	2.14			2.28
22	2.29	2.34	3.14	---	3.19	3.27	10.67	2.47	2.13			2.10
23	2.32	2.33	3.14	---	3.09	3.29	10.27	2.42	2.25			2.02
24	2.33	2.32	3.15	---	3.00	3.40	9.81	2.41	2.25			1.95
25	2.35	2.33	3.14	2.94	2.92	3.28	9.34	2.38	2.23			1.90
26	2.39	2.35	3.12	2.91	3.15	3.10	8.90	2.33	2.15			1.84
27	2.39	2.47	3.12	2.87	3.24	2.98	8.50	2.31	2.09			1.80
28	2.39	2.62	3.11	2.84	3.32	2.92	8.02	2.28	---	1.63		1.76
29	2.40	2.73	3.10	2.82	---	2.84	7.54	2.26	---	1.63		1.72
30	2.41	2.85	3.10	2.91	---	2.79	7.06	2.22	---	1.73		1.69
31	2.42	---	3.06	3.17	---	2.76	---	2.17	---	1.91		---
MAX	2.42	2.85	3.15	3.17	4.43	3.40	10.73	6.57	2.25	---	2.17	2.54
MIN	---	2.32	2.94	2.78	2.92	2.51	2.44	2.17	1.70	---	---	---

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.67	3.54	---	8.17	---	5.14	---	2.55	6.50	3.02	---	1.71
2	1.64	3.92	---	7.81	---	4.71	---	2.51	5.92	2.86	---	1.69
3	1.63	3.81	---	---	---	4.18	---	2.67	5.36	2.71	---	1.67
4		3.60	---	---	---	3.90	---	2.72	4.81	2.59	---	
5		3.48	---	---	---	4.72	---	2.70	4.11	2.50	---	
6		3.35	---	---	---	5.81	---	2.62	4.15	2.43	---	
7		3.22	---	---	---	5.78	---	2.53	4.23	2.37	---	
8		3.11	---	---	---	5.45	---	2.49	3.96	2.34	---	
9	1.73	3.02	---	---	---	5.08	---	2.43	3.49	2.29	---	
10	1.98	2.97	---	4.65	---	4.69	---	2.37	3.16	2.25	---	
11	1.97	---	---	4.28	---	4.23	---	2.63	2.93	2.13	---	
12	4.29	---	---	3.80	---	3.86	3.01	2.83	2.77	2.08	---	
13	3.78	---	5.96	3.47	---	---	2.97	2.92	2.65	2.06	---	
14	3.19	---	5.76	3.32	---	---	2.92	2.85	2.56	2.08	---	
15	3.10	---	7.18	3.19	---	---	2.85	2.91	2.52	2.12	---	
16	2.96	---	8.50	3.09	---	---	2.79	3.46	2.55	2.15	---	
17	2.75	3.55	8.25	3.02	---	---	2.73	4.16	2.55	2.17	---	
18	2.66	3.42	7.78	2.99	---	---	2.68	4.21	2.56	2.27	---	
19	2.73	3.47	7.28	2.96	---	---	2.63	5.74	2.52	2.37	---	
20	3.13	3.49	6.78	3.11	---	---	2.62	8.89	2.44	2.41	---	
21	3.08	3.36	6.27	3.19	---	---	2.65	11.25	2.38	2.57	---	
22	3.11	3.44	5.73	3.21	7.15	---	2.71	11.58	2.38	2.59	---	
23	3.16	3.97	5.15	3.21	7.67	---	2.97	11.31	2.68	2.57	---	1.76
24	3.21	3.77	4.72	---	7.49	---	3.05	10.85	2.67	2.53	2.12	2.01
25	3.21	3.87	6.38	---	7.08	---	3.06	10.36	2.85	---	2.05	1.98
26	3.19	3.89	9.08	---	6.61	---	2.93	9.84	3.34	2.35	1.97	1.94
27	3.16	4.34	9.80	---	6.10	---	2.80	9.28	4.03	2.29	1.90	1.90
28	3.15	4.49	9.46	---	5.59	---	2.70	8.70	4.07	2.24	1.84	1.86
29	3.58	---	8.97	---	---	---	2.63	8.13	3.61	2.21	1.79	1.81
30	3.61	---	8.46	---	---	---	2.58	7.56	3.26	2.18	1.75	1.77
31	3.69	---	8.21	---	---	---	---	7.03	---	2.18	1.72	---
MAX	4.29	4.49	9.80	8.17	---	5.81	---	11.58	6.50	3.02	---	2.01
MIN	---	---	4.72	2.96	---	---	2.58	2.37	2.38	2.06	---	---

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 19...	1320	273	5.0	19.5	200	30	4.4	2.0
JAN 11...	0915	105	6.3	8.5	120	20	6.7	--
APR 06...	1300	146	6.1	16.0	80	15	4.8	1.2
JUL 12...	1415	196	6.7	28.5	120	20	--	6.3

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 19...	420	600	71	14	8.7	23	2.6	3	72
JAN 11...	K200	1100	24	4.9	2.9	9.1	2.1	16	11
APR 06...	100	2100	29	5.5	3.6	17	1.6	21	13
JUL 12...	140	3000	46	10	5.0	22	3.0	39	11

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 19...	25	<.1	22	212	169	<.1	3.0	.16
JAN 11...	14	<.1	9.4	80	63	<.1	.7	.35
APR 06...	22	<.1	9.4	96	85	<.1	.5	.17
JUL 12...	29	.1	8.8	157	112	.1	2.3	.25

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 19...	1	2	<1	<1	2	<1	2	4	1400	3600	3

DATE	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOVERED FROM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 19...	10	1100	330	.3	<.01	41	11	19	<.01	25	<.1

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<1	<.1	<1	<.01	<.1	<.1	2	<.01	4.2	<.01	4.3

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	4.6	<.01	<.1	<.01	.9	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 19...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	8.5	90	2.1	94
JAN 11...	55	11	1.6	50
APR 06...	20	18	1.0	78
JUL 12...	1.1	31	.09	87

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

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA

LOCATION.--Lat 31°53'40", long 93°20'30", in E1/2 sec. 36, T. 11 N., R. 10 W., Natchitoches Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 174, 1/2 mi downstream from Jims River, and 2.9 mi southwest of Lake End.

DRAINAGE AREA.--860 mi².

WATER DISCHARGE RECORDS

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

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

REMARKS.--Records poor.

EXTREMES FOR CURRENT PERIOD.--Water year 1981: Maximum discharge, 6,180 ft³/s June 8; maximum gage height, 21.44 ft June 9; minimum daily discharge 15 ft³/s Nov. 9, 14, 15.

Water Year 1982: Maximum discharge, 4,400 ft³/s Apr. 22, gage height, 17.21 ft; minimum daily discharge, 12 ft³/s June 10, 11, 15.

Water Year 1983: Maximum discharge, 9,280 ft³/s May 24; maximum gage height 25.00 ft May 23; minimum daily discharge, 20 ft³/s Oct. 4-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	80	55	22	53	79	288	150	101	143	40	130
2	29	46	38	22	58	112	223	156	138	118	35	400
3	32	33	28	22	63	243	168	219	502	96	40	800
4	35	22	26	22	72	791	137	229	1060	74	45	900
5	30	18	25	23	76	1030	126	198	1990	63	42	800
6	25	17	23	26	79	934	115	191	3800	50	41	640
7	23	17	22	30	78	786	101	233	5270	55	37	520
8	21	16	25	37	78	615	86	216	6100	68	36	447
9	19	15	35	50	81	459	76	183	5870	93	35	330
10	18	16	42	80	325	289	68	263	4940	108	34	214
11	17	19	50	54	435	218	64	864	3870	99	31	150
12	17	17	53	46	418	178	60	1160	3040	91	30	114
13	16	16	55	38	368	141	58	1080	2550	93	29	90
14	16	15	50	33	241	115	57	993	2200	88	28	74
15	16	15	43	30	174	98	55	923	1880	72	27	64
16	16	16	38	28	137	89	51	883	1610	61	26	57
17	16	17	34	26	114	85	48	858	1340	52	25	52
18	16	20	29	25	98	80	45	891	1080	47	25	47
19	22	36	28	24	86	79	43	859	837	39	30	42
20	28	70	27	24	77	72	42	758	666	34	40	40
21	35	140	27	25	72	64	43	749	583	35	37	39
22	45	100	26	30	68	61	45	666	541	38	34	39
23	35	60	26	50	66	59	49	554	492	40	31	38
24	29	40	25	76	94	54	54	453	422	37	29	37
25	23	30	25	70	128	48	73	446	353	33	27	37
26	19	24	25	58	114	46	156	391	293	30	26	36
27	16	22	24	49	95	50	179	272	258	31	30	36
28	25	21	24	40	81	52	168	219	251	40	50	35
29	48	30	23	35	---	66	151	171	234	39	80	35
30	80	40	23	32	---	151	142	132	182	36	70	45
31	120	---	23	40	---	236	---	117	---	38	60	---
TOTAL	912	1028	997	1167	3829	7380	2971	15477	52453	1941	1150	6288
MEAN	29.4	34.3	32.2	37.6	137	238	99.0	499	1748	62.6	37.1	210
MAX	120	140	55	80	435	1030	288	1160	6100	143	80	900
MIN	16	15	22	22	53	46	42	117	101	30	25	35
AC-FT	1810	2040	1980	2310	7590	14640	5890	30700	104000	3850	2280	12470

WTR YR 1981 TOTAL 95593 MEAN 262 MAX 6100 MIN 15 AC-FT 189600

NOTE.--No gage-height record Oct. 1 to Nov. 23, Dec. 6-11, Apr. 17-24, July 23-26, July 30 to Aug. 4, Aug. 7 to Sept. 7, Sept. 19-30. Indefinite stage-discharge relation Nov. 24 to Dec. 8, Dec. 15, 16, Dec. 20 to Jan. 25, Jan. 27-31.

RED RIVER BASIN

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07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	54	76	23	483	442	307	1000	25	422	147	29
2	45	52	80	24	591	397	267	877	20	382	180	27
3	43	50	58	30	528	359	246	735	19	383	136	26
4	41	58	46	45	364	336	242	582	18	375	103	26
5	41	50	38	69	325	348	231	440	16	250	85	26
6	40	40	34	87	353	348	229	332	15	150	60	26
7	40	37	31	87	395	389	215	258	14	110	43	25
8	42	35	30	76	424	368	184	224	13	90	45	25
9	68	33	28	67	601	362	148	203	13	80	43	24
10	167	32	27	60	725	314	138	177	12	100	41	23
11	224	31	26	53	700	271	127	151	12	180	39	23
12	252	35	25	53	607	241	123	130	13	150	42	24
13	232	58	26	57	528	214	119	115	15	130	64	23
14	180	100	34	70	458	187	109	113	13	200	63	22
15	136	287	44	87	460	173	99	120	12	300	56	22
16	111	286	48	124	1270	162	91	140	20	280	50	25
17	299	217	45	160	1190	150	572	170	50	252	45	27
18	608	165	42	169	1010	138	1320	160	100	236	42	25
19	562	115	37	153	801	119	1210	140	200	222	39	23
20	450	87	34	135	618	95	3040	120	500	192	37	44
21	360	68	33	222	467	89	4200	100	520	122	38	37
22	300	47	32	250	364	330	4300	80	550	71	40	42
23	260	35	32	275	308	651	3660	64	510	48	41	35
24	220	28	31	266	280	770	2820	54	450	38	40	31
25	160	27	30	238	236	707	2180	48	380	33	38	31
26	140	25	29	208	214	642	1800	46	300	30	36	30
27	120	23	28	186	292	580	1600	43	250	27	34	28
28	105	27	27	166	407	514	1400	41	330	26	32	25
29	90	23	26	149	---	453	1240	39	476	27	30	24
30	75	50	24	134	---	399	1130	35	556	50	28	22
31	62	---	23	251	---	349	---	30	---	67	29	---
TOTAL	5519	2175	1124	3974	14999	10897	33347	6767	5422	5023	1746	820
MEAN	178	72.5	36.3	128	536	352	1112	218	181	162	56.3	27.3
MAX	608	287	80	275	1270	770	4300	1000	556	422	180	44
MIN	40	23	23	23	214	89	91	30	12	26	28	22
AC-FT	10950	4310	2230	7880	29750	21610	66140	13420	10750	9960	3460	1630

CAL YR 1981 TOTAL 101474 MEAN 278 MAX 6100 MIN 22 AC-FT 201300
WTR YR 1982 TOTAL 91813 MEAN 252 MAX 4300 MIN 12 AC-FT 182100

NOTE.--Indefinite stage-discharge relation Oct. 20 to Nov. 14, May 16 to June 28, July 5-16.

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	227	1050	6400	1730	2670	1010	123	1260	702	52	49
2	21	206	1100	5000	2540	2040	869	118	1110	518	50	46
3	21	319	1500	4100	2720	1690	752	115	932	381	49	44
4	20	422	2300	3350	2440	1510	637	119	745	218	48	43
5	20	375	2100	2910	2640	1980	548	211	610	176	47	42
6	20	321	1800	2490	4940	3230	491	175	811	180	49	42
7	21	260	1400	2070	6250	3960	453	113	1240	179	80	43
8	22	205	1200	1700	6660	3590	415	106	1290	155	120	42
9	24	163	1050	1410	6470	2800	371	62	1170	126	115	42
10	29	133	1000	1150	8040	2040	334	57	1030	106	105	41
11	32	112	2400	943	8610	1480	307	75	890	110	90	42
12	709	98	2800	765	8730	1150	272	101	758	110	82	45
13	1120	86	3000	643	8260	916	248	150	648	99	74	43
14	763	77	2700	555	7320	780	225	209	550	80	62	43
15	518	66	4560	492	5900	691	203	319	475	66	54	42
16	338	58	5970	446	4420	607	186	451	415	70	60	40
17	201	84	7600	397	3210	540	170	513	365	64	66	40
18	119	244	7000	356	2400	539	159	548	333	63	70	40
19	76	348	6000	323	1870	601	151	985	308	79	68	43
20	84	351	5000	314	1590	704	143	4150	287	83	45	46
21	61	410	3500	342	1800	746	136	6930	281	92	62	49
22	52	411	2500	346	4030	705	136	8540	270	85	56	61
23	44	876	1900	324	6240	805	150	9130	265	82	50	73
24	42	979	1500	306	7210	1430	170	9120	258	78	42	71
25	40	850	1700	385	7020	1600	199	8500	255	72	37	63
26	38	720	3500	426	5750	1690	201	7420	297	68	36	55
27	35	1050	6000	409	4310	1800	176	5610	597	64	54	47
28	33	1150	8000	384	3430	1760	153	3890	873	60	80	43
29	49	1050	8400	355	---	1610	138	2790	1000	58	72	40
30	205	960	8000	331	---	1400	130	1940	900	56	60	38
31	254	---	7400	471	---	1200	---	1500	---	54	54	---
TOTAL	5032	12611	113930	39893	136530	48264	9533	74070	20223	4334	1989	1398
MEAN	162	420	3675	1287	4876	1557	318	2389	674	140	64.2	46.6
MAX	1120	1150	8400	6400	8730	3960	1010	9130	1290	702	120	73
MIN	20	58	1000	306	1590	539	130	57	255	54	36	38
AC=FT	9980	25010	226000	79130	270800	95730	18910	146900	40110	8600	3950	2770
CAL YR 1982	TOTAL	214568	MEAN	588	MAX	8400	MIN 12	AC=FT	425600			
WTR YR 1983	TOTAL	467807	MEAN	1282	MAX	9130	MIN 20	AC=FT	927900			

NOTE.--indefinite stage-discharge relation June 22-25. No gage-height record Dec. 17 to Jan. 3, July 14-16, July 23 to Aug. 29.

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	1.58	1.36	1.54	1.88	3.46	2.28	3.65	4.63	---	---
2	---	---	1.54	1.36	1.61	2.22	2.99	2.33	4.16	4.05	---	---
3	---	---	1.53	1.38	1.70	3.33	2.54	2.84	5.90	3.46	---	---
4	---	---	1.48	1.37	1.80	6.43	2.25	2.92	8.03	2.88	---	---
5	---	---	1.38	1.37	1.85	7.70	2.14	2.68	11.39	2.53	1.25	---
6	---	---	---	1.42	1.88	7.21	2.02	2.62	16.11	2.32	1.24	---
7	---	---	---	1.46	1.87	6.40	1.87	2.95	19.32	2.53	---	---
8	---	---	---	1.52	1.86	5.44	1.71	2.82	21.10	3.28	---	4.47
9	---	---	---	1.57	1.90	4.69	1.59	2.56	21.32	4.45	---	3.74
10	---	---	---	1.71	3.83	4.27	1.49	3.16	20.51	4.62	---	2.91
11	---	---	---	1.67	4.40	4.02	1.42	6.69	19.26	4.29	---	2.38
12	---	---	1.52	1.61	4.30	3.61	1.37	8.28	17.84	4.40	---	2.04
13	---	---	1.57	1.56	3.99	3.13	1.33	7.96	16.51	4.48	---	1.80
14	---	---	1.55	1.52	3.32	2.74	1.28	7.52	15.44	4.13	---	1.62
15	---	---	1.71	1.50	2.80	2.40	1.25	7.15	14.61	3.64	---	1.50
16	---	---	2.21	1.48	2.47	2.06	1.20	6.94	13.89	3.30	---	1.39
17	---	---	2.11	1.47	2.24	1.85	---	6.80	13.25	3.00	---	1.32
18	---	---	1.77	1.45	2.08	1.70	---	6.98	12.68	2.56	---	1.24
19	---	---	1.55	1.44	1.96	1.68	---	6.96	12.27	1.94	---	---
20	---	---	1.43	1.49	1.86	1.60	---	6.83	12.10	1.52	---	---
21	---	---	1.37	1.52	1.80	1.51	---	6.85	11.88	1.33	---	---
22	---	---	1.36	1.54	1.75	1.46	---	6.42	11.40	1.26	---	---
23	---	---	1.36	1.59	1.73	1.43	---	5.81	10.64	---	---	---
24	---	1.35	1.37	1.66	2.04	1.35	---	5.22	9.77	---	---	---
25	---	1.32	1.36	1.65	2.38	1.26	1.48	4.93	8.91	---	---	---
26	---	1.38	1.36	1.61	2.24	1.22	2.33	4.37	8.23	---	---	---
27	---	1.45	1.36	1.59	2.05	1.29	2.53	3.62	7.76	---	---	---
28	---	1.46	1.36	1.55	1.90	1.32	2.44	3.46	7.21	1.21	---	---
29	---	1.50	1.35	1.54	---	1.51	2.29	3.36	6.28	1.20	---	---
30	---	1.56	1.35	1.52	---	2.39	2.21	3.42	5.33	---	---	---
31	---	---	1.35	1.51	---	3.08	---	3.55	---	---	---	---
MAX	---	---	2.21	1.71	4.40	7.70	3.46	8.28	21.32	4.63	---	---
MIN	---	---	---	1.36	1.54	1.22	---	2.28	3.65	---	---	---

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.23	---	---	4.67	4.44	3.59	7.58	10.85	12.60	2.23	.83
2	1.22	10.32	---	---	5.30	4.17	3.31	6.90	10.49	12.55	2.50	.79
3	1.18	10.41	1.34	---	4.98	3.93	3.16	6.11	10.35	12.25	2.12	.79
4	---	10.65	1.41	---	5.46	3.78	3.13	5.25	10.57	11.45	1.79	.79
5	---	11.13	1.35	1.56	6.66	3.86	3.05	4.43	11.01	10.79	1.60	.78
6	---	11.63	1.30	1.77	7.46	3.86	3.03	3.75	11.34	10.92	1.49	.78
7	---	11.70	1.39	1.77	8.00	4.12	2.92	3.24	11.51	11.31	1.58	.78
8	---	11.07	1.56	1.65	8.30	4.34	2.75	2.99	11.71	11.46	1.53	.78
9	1.51	10.44	1.42	1.54	8.73	4.18	2.65	2.84	11.79	11.13	1.25	.76
10	2.53	10.21	1.24	1.44	8.93	3.88	2.53	2.63	11.66	10.48	---	.75
11	3.00	10.16	---	1.33	8.47	3.65	2.35	2.40	11.68	9.99	---	.76
12	3.20	9.89	---	1.33	7.63	3.44	2.20	2.20	11.93	9.83	---	.79
13	3.05	9.71	---	1.40	6.74	3.20	2.09	2.06	12.14	9.93	1.36	.77
14	2.65	9.85	---	1.58	6.05	3.00	1.99	2.04	12.18	10.02	1.35	.76
15	2.26	9.33	---	1.77	5.61	2.80	1.90	2.10	12.16	9.90	1.25	.77
16	2.01	7.92	---	2.14	8.99	2.58	1.81	2.69	12.18	9.56	1.16	.82
17	3.44	6.56	---	2.48	8.50	2.41	5.05	6.68	12.28	9.07	1.07	.87
18	5.40	5.54	---	2.56	7.60	2.28	9.13	8.92	12.48	8.34	1.02	.84
19	5.15	4.64	---	2.42	6.49	2.15	8.59	9.91	12.49	7.20	.96	.80
20	5.45	3.86	---	2.25	5.46	2.04	14.48	9.47	12.74	5.65	.93	1.18
21	7.25	3.12	---	2.94	4.59	2.33	16.84	8.12	13.27	4.12	.95	1.08
22	8.75	2.47	---	3.19	3.96	4.11	17.02	7.70	13.34	3.08	.99	1.16
23	9.47	2.07	---	3.37	3.60	5.65	15.80	8.34	12.83	2.48	1.01	1.04
24	9.72	1.82	---	3.30	3.40	6.31	14.03	9.04	12.32	2.11	1.00	.97
25	9.79	1.66	---	3.10	3.08	5.96	12.50	9.39	12.16	1.86	.97	.97
26	9.95	1.44	---	2.87	2.92	5.60	11.36	9.64	12.26	1.71	.93	.95
27	10.25	1.23	---	2.70	3.49	5.24	10.49	10.06	12.39	1.59	.89	.90
28	10.19	---	---	2.53	4.23	4.85	9.56	10.43	12.53	1.39	.86	.85
29	10.01	---	---	2.38	---	4.51	8.79	10.69	12.73	1.22	.83	.81
30	10.04	---	---	2.34	---	4.18	8.22	10.99	12.73	1.43	.81	.78
31	10.16	---	---	3.20	---	3.87	---	11.09	---	1.57	.83	---
MAX	10.25	11.70	---	3.37	8.99	6.31	17.02	11.09	13.34	12.60	2.50	1.18
MIN	---	---	---	1.33	2.92	2.04	1.81	2.04	10.25	1.22	.81	.75

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.76	3.02	8.53	---	11.08	13.70	7.61	1.97	10.66	5.93	---	1.05
2	.75	2.86	8.38	---	13.41	12.14	6.86	1.91	9.75	4.88	---	1.01
3	.75	3.66	11.12	---	13.83	10.88	6.37	1.88	8.65	4.07	---	.99
4	.74	4.32	13.96	17.41	13.16	10.07	5.86	1.92	7.60	4.02	---	.97
5	.73	4.03	13.64	15.84	13.56	11.86	5.38	1.94	6.75	5.08	---	.96
6	.74	3.69	13.64	14.45	18.13	14.92	5.04	1.91	6.99	5.24	---	.96
7	.76	3.26	13.85	13.10	20.45	16.39	4.67	1.85	8.78	4.81	---	.98
8	.78	2.85	14.09	11.61	21.09	15.67	4.29	1.78	9.03	4.27	---	.97
9	.82	2.51	14.13	10.30	20.72	13.96	4.00	1.81	8.41	4.02	---	.97
10	.92	2.23	13.85	9.33	22.84	12.27	3.77	2.15	7.72	4.11	---	.96
11	.99	2.02	14.18	8.48	23.53	10.76	3.53	2.35	6.98	4.40	---	.98
12	5.54	1.88	15.40	7.69	23.67	9.50	3.29	2.42	6.25	4.11	---	1.02
13	8.18	1.75	15.82	7.02	23.09	8.53	3.10	2.64	5.63	3.50	---	1.00
14	6.27	1.66	15.45	6.39	21.87	7.78	2.91	2.83	5.07	---	---	1.00
15	4.88	1.53	19.82	5.77	19.78	7.11	2.73	3.64	4.63	---	---	.98
16	3.79	1.42	21.71	5.21	17.22	6.51	2.58	4.49	4.28	---	---	.96
17	2.81	1.71	---	4.61	14.89	6.10	2.44	4.85	3.97	2.15	---	.95
18	2.09	3.13	---	4.15	13.07	5.97	2.33	5.05	3.74	2.28	---	.95
19	1.64	3.86	---	3.88	11.61	6.03	2.26	7.46	3.56	2.41	---	1.01
20	1.73	3.88	---	3.79	10.44	6.16	2.18	17.18	3.40	2.35	---	1.06
21	1.46	4.25	---	3.90	11.07	6.18	2.11	22.46	3.36	2.28	---	1.11
22	1.32	4.24	---	3.88	16.53	5.94	2.11	24.33	3.36	2.27	---	1.30
23	1.20	6.89	---	3.72	20.24	6.49	2.25	24.88	3.37	---	---	1.46
24	1.16	7.45	---	3.59	21.67	9.66	2.44	24.87	3.35	---	---	1.44
25	1.13	6.77	---	4.10	21.55	10.47	2.69	24.25	3.36	---	---	1.34
26	1.09	6.18	---	4.35	20.12	10.87	2.72	23.04	3.48	---	---	1.22
27	1.04	8.27	---	4.24	17.81	11.37	2.49	20.58	5.33	---	---	1.11
28	1.00	9.00	---	4.09	15.60	11.23	2.28	17.39	6.88	---	---	1.04
29	1.26	8.32	---	3.90	---	10.49	2.13	14.65	7.58	---	---	.99
30	2.82	7.84	---	3.75	---	9.54	2.04	12.70	7.03	---	1.23	.97
31	3.21	---	---	4.53	---	8.55	---	11.54	---	---	1.14	---
MAX	8.18	9.00	---	---	23.67	16.39	7.61	24.88	10.66	5.93	---	1.46
MIN	.73	1.42	8.38	3.59	10.44	5.94	2.04	1.78	3.35	---	---	.95

RED RIVER BASIN

85

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: October 1982 to September 1983.

SUSPENDED-SEDIMENT DISCHARGE: October 1982 to September 1983.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 813 mg/L Nov. 24, 1982; minimum daily mean, 48 mg/L Feb. 15, 27, 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 8060 tons Dec. 17, 1982; minimum daily, 8.0 tons Aug. 25, 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 19...	0840	348	6.0	19.0	80	90	6.4	68	2.1	420	1800
NOV 17...	1215	495	6.8	12.0	60	50	7.8	22	1.5	680	1100
APR 06...	1400	281	6.5	16.0	20	40	7.1	24	1.1	880	4600
JUL 12...	0830	526	7.4	28.5	20	40	6.7	36	1.0	K40	440

DATE	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)
OCT 19...	120	27	12	27	3.6	93	36	29	.2
NOV 17...	150	37	15	43	3.5	143	29	48	.3
APR 06...	89	20	9.5	23	2.2	75	27	24	.1
JUL 12...	200	46	20	34	3.1	175	38	36	.3

DATE	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 19...	11	209	202	71	1.0	2.7	.28	9.5
NOV 17...	12	299	274	50	.2	1.5	.17	10
APR 06...	7.4	166	158	25	.2	.5	.22	12
JUL 12...	11	344	293	41	.2	1.1	.12	10

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

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

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, FM BOT- TOM MA- TERIAL (UG/G AS PB)
OCT 19...	2	1	<1	<1	2	<1	3	2	160	1400	2	10
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	98	130	.6	<.01	<4	6	<.01	<1	<.1	<1	<.1	<1
DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	<.1	<.1	<1	<.01	3.7	<.01	9.6	<.01	4.6	.04	<.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 19...	<.01	.2	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 19...	<.01	<.1	.02	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 19...	<.01	<.1	<.1	<1	<1	<10	<.01	<.1	.32	.01	.08	<.01

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

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 to SEPTEMBER 1983

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	488	28	270	165	342	970	367	6340	250	1170	78	562
2	487	28	292	162	392	1160	258	3480	---	---	133	733
3	478	27	289	249	578	2340	239	2650	---	---	80	365
4	500	27	256	292	369	2290	248	2240	---	---	77	314
5	511	28	272	275	263	1490	308	2420	---	---	120	642
6	499	27	256	222	228	1110	312	2100	---	---	98	855
7	482	27	287	201	147	556	E313	1750	235	3970	79	845
8	503	30	263	146	78	253	318	1460	225	4050	60	582
9	511	33	270	119	188	533	352	1340	248	4330	100	756
10	510	40	375	135	234	632	310	963	337	7320	92	507
11	508	44	407	123	264	1710	133	339	313	7280	119	476
12	534	1020	320	85	475	3590	238	492	251	5920	117	363
13	418	1260	303	70	430	3480	247	429	158	3520	130	322
14	350	721	310	64	338	2460	257	385	98	1940	131	276
15	358	501	203	36	363	4470	258	343	48	765	132	246
16	386	352	143	22	278	4480	239	288	121	1440	151	247
17	403	219	232	53	393	8060	241	258	129	1120	156	227
18	393	126	522	344	393	7430	265	255	101	654	137	199
19	349	72	530	498	367	5950	313	273	99	500	152	247
20	358	81	511	484	376	5080	318	270	120	515	202	384
21	300	49	643	712	377	3560	292	270	109	530	158	318
22	331	46	638	708	348	2350	257	240	113	1230	152	289
23	370	44	737	1740	302	1550	250	219	100	1680	204	443
24	395	45	813	2150	362	1470	230	190	68	1320	327	1260
25	401	43	559	1280	370	1700	195	203	58	1100	230	994
26	357	37	485	943	351	3320	190	219	59	916	238	1090
27	340	32	553	1570	372	6030	178	197	48	559	337	1640
28	323	29	333	1030	360	7780	182	189	74	685	290	1380
29	308	41	248	703	269	6100	192	184	---	---	200	869
30	317	175	323	837	352	7600	172	154	---	---	172	650
31	306	210	---	---	332	6630	211	268	---	---	E176	570
F												
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	179	488	---	---	138	469	215	408	E170	24	96	13
2	172	404	---	---	161	483	220	308	E168	23	110	14
3	164	333	---	---	172	433	236	243	E170	22	106	13
4	155	267	---	---	164	330	246	145	E170	22	118	14
5	160	237	---	---	163	268	237	113	E170	22	98	11
6	98	130	---	---	153	335	233	113	168	22	E89	10
7	177	216	---	---	165	552	233	113	168	36	80	9.3
8	227	254	---	---	162	564	238	100	190	62	82	9.3
9	238	238	---	---	162	512	218	74	150	47	94	11
10	248	224	84	13	158	439	228	65	116	33	97	11
11	219	182	---	---	174	418	190	56	125	30	91	10
12	248	182	---	---	138	282	137	41	E136	30	98	12
13	274	183	---	---	208	364	112	30	140	28	110	13
14	310	188	---	---	186	276	---	---	158	26	112	13
15	337	185	E302	260	187	240	---	---	168	24	122	14
16	262	132	330	402	187	210	---	---	180	29	122	13
17	242	111	331	458	170	168	---	---	198	35	130	14
18	188	81	228	337	200	180	---	---	152	29	124	13
19	243	99	192	511	165	137	---	---	106	19	91	11
20	216	83	190	2130	191	148	---	---	96	12	131	16
21	190	70	217	4060	254	193	131	33	84	14	168	22
22	171	63	187	4310	260	190	168	39	73	11	132	22
23	168	68	124	3060	242	173	190	42	88	12	130	26
24	88	40	129	3180	239	166	144	30	83	9.4	128	25
25	162	87	139	3190	227	156	144	28	80	8.0	105	18
26	118	64	139	2780	248	199	E136	25	87	8.5	104	15
27	180	86	132	2000	203	327	110	19	108	16	150	19
28	---	---	100	1050	243	573	120	19	108	23	133	15
29	---	---	107	806	260	702	112	18	98	19	124	13
30	---	---	112	587	239	581	123	19	100	16	108	11
31	---	---	118	478	---	---	160	23	133	19	---	---

E Estimated.

RED RIVER BASIN

07351755 BAYOU PIERRE NEAR POWHATAN, LA

LOCATION.--31°51'37", long 93°12'22", in SE1/4SE1/4 sec. 22, T. 10 N., R. 8 W., Natchitoches Parish, Hydrologic Unit 11140206, at right bank on downstream side of bridge on State Highway 485, 1.0 mi southwest of Powhatan, 2.7 mi upstream from Flat River, and 11.8 mi upstream from mouth.

DRAINAGE AREA.--879 mi².

PERIOD OF RECORD.--August 1980 to current year (gage heights only). Gage heights November 1, 1946 to December 31, 1951, are contained in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 83.61 ft National Geodetic Vertical Datum of 1929. November 1, 1946 to December 31, 1951, nonrecording gage at datum 2.81 ft lower.

REMARKS.--No gage height recorded below 1.85 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.76 ft Dec. 29, 1982; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.76 ft Dec. 29; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.74	---	23.48	11.76	15.95	10.05	5.49	15.18	5.99	3.75	1.92
2	---	3.62	---	22.75	12.72	14.87	10.05	5.16	14.35	5.39	3.54	1.88
3	---	4.08	---	21.59	12.88	13.89	10.10	4.73	13.30	5.91	3.58	1.93
4	---	4.61	---	20.31	12.42	13.15	9.87	4.46	12.43	9.36	3.46	2.12
5	---	4.44	---	19.09	13.27	13.65	9.55	4.37	11.70	11.15	3.38	2.09
6	---	4.22	---	17.98	16.98	14.77	9.26	4.31	10.89	11.33	3.37	2.01
7	---	3.97	---	16.79	19.08	15.61	8.69	4.40	10.42	10.82	3.34	1.87
8	---	3.72	---	15.22	19.60	15.78	7.97	5.48	9.93	10.25	3.30	1.87
9	---	3.73	---	14.06	19.17	15.62	7.46	7.34	9.41	10.07	3.24	1.88
10	2.20	4.02	---	13.51	20.85	15.25	7.06	8.10	9.06	10.26	3.23	1.96
11	2.29	3.88	---	13.00	21.49	14.58	6.89	8.18	8.79	10.57	3.22	2.09
12	6.09	3.54	---	12.49	21.63	13.80	6.94	7.95	8.55	10.24	3.19	2.06
13	7.76	3.20	---	11.96	21.02	13.18	6.93	7.57	8.05	9.57	2.99	1.93
14	6.01	2.92	---	11.40	19.98	12.57	6.56	6.88	7.16	9.14	2.80	1.87
15	5.03	2.67	21.80	10.73	18.41	11.90	5.92	7.32	6.42	8.68	---	1.87
16	4.36	2.52	22.79	10.02	16.46	11.33	5.36	7.21	5.79	8.01	---	1.87
17	3.63	2.61	23.50	9.14	14.60	11.01	5.09	6.83	5.21	8.00	---	1.87
18	3.06	3.61	23.37	8.44	13.06	10.80	4.96	6.70	4.94	8.23	---	1.87
19	2.63	4.47	22.41	8.07	11.88	10.52	4.73	9.37	4.75	8.25	---	1.91
20	3.07	4.46	20.81	7.95	10.96	9.98	4.51	17.98	4.54	8.07	---	1.98
21	2.58	4.59	18.87	7.86	11.58	9.32	4.42	22.36	4.56	7.82	---	1.97
22	2.28	4.51	17.11	7.72	15.69	8.86	4.53	23.75	5.04	7.91	2.03	2.03
23	2.12	6.16	15.63	7.53	18.15	9.11	4.59	24.04	4.97	7.90	2.04	2.22
24	---	---	14.41	7.39	19.32	10.70	4.72	24.04	4.49	7.47	2.01	2.31
25	---	---	13.79	7.54	19.83	11.01	4.81	23.66	4.31	6.85	1.97	2.24
26	---	---	16.93	7.42	19.67	11.31	4.79	22.82	4.53	6.48	1.96	2.09
27	---	---	21.52	7.30	18.60	11.47	4.69	21.17	5.68	6.29	1.95	1.95
28	---	---	24.16	7.08	17.26	11.48	4.91	19.14	6.56	5.91	1.92	1.87
29	---	---	24.69	6.85	---	11.05	5.50	17.54	6.97	5.33	1.99	1.87
30	3.20	---	24.60	6.58	---	10.53	5.66	16.47	6.66	4.80	2.10	1.87
31	3.87	---	24.06	7.30	---	10.19	---	15.75	---	4.19	2.03	---
MAX	7.76	---	24.69	23.48	21.63	15.95	10.10	24.04	15.18	11.33	3.75	2.31
MIN	---	2.52	---	6.58	10.96	8.86	4.42	4.31	4.31	4.19	1.92	1.87

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 93°58'35", in SW1/4SW1/4 sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi downstream from Sixmile Creek, and 1.0 mi east of Lucky.

DRAINAGE AREA.--154 mi².

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

REVISED RECORDS.--WSP.1177: Drainage area.

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

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 162 ft³/s, 14.29 in/yr, 117,400 acre-ft/yr.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	0600	1770	7.99	Feb. 23	1100	3680	9.25
Dec. 28	1100	*7230	*10.58	May 22	1700	1950	8.15
Feb. 10	1000	3090	8.93				

Minimum discharge, 4.5 ft³/s Oct. 5, gage height, 2.26 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	36	404	572	416	256	214	82	119	48	10	8.1
2	5.0	34	291	398	611	228	267	78	103	40	11	8.0
3	4.8	48	427	312	698	206	300	95	88	35	12	8.3
4	4.8	44	702	283	664	207	233	153	74	28	13	8.3
5	4.6	34	621	245	744	462	208	218	62	24	12	8.6
6	5.3	30	622	206	1060	614	212	172	71	22	76	8.9
7	8.4	24	587	185	1370	746	245	114	108	19	68	8.7
8	76	20	373	173	1080	730	269	103	110	17	34	8.7
9	82	18	205	176	987	514	254	122	87	16	19	8.7
10	43	14	154	191	2620	303	220	162	60	15	15	8.5
11	29	12	232	184	2110	235	190	158	46	14	14	11
12	133	12	479	161	1230	204	167	167	39	13	20	24
13	220	13	560	142	799	187	155	193	34	12	18	21
14	131	14	677	128	522	177	143	185	29	12	15	16
15	59	15	1010	119	324	170	127	151	28	13	13	11
16	30	16	1190	111	240	165	115	145	26	14	12	9.6
17	16	44	1610	104	204	170	105	176	26	17	11	9.3
18	11	76	1070	98	182	169	96	246	28	30	10	11
19	12	81	725	94	166	161	90	351	35	87	9.8	25
20	17	82	448	108	153	185	92	916	30	39	9.5	49
21	28	82	257	133	206	227	97	1590	27	23	9.5	80
22	26	111	188	142	1610	230	104	2090	32	36	9.7	54
23	18	103	160	141	3340	231	138	1970	38	34	9.4	28
24	14	111	145	132	1890	406	221	1230	39	21	9.0	17
25	11	106	192	135	1100	480	226	816	40	15	8.7	13
26	11	158	1010	141	766	502	178	484	46	12	8.6	11
27	9.0	233	3730	138	496	472	133	265	54	11	8.3	11
28	8.8	371	6720	127	310	419	106	226	72	12	8.3	10
29	14	356	3190	116	---	369	92	181	97	13	8.7	10
30	71	364	1300	107	---	279	85	146	74	11	8.6	9.6
31	49	---	815	116	---	233	---	129	---	11	8.4	---
TOTAL	1156.7	2662	30094	5418	25898	9937	5082	13114	1722	714	499.5	515.3
MEAN	37.3	88.7	971	175	925	321	169	423	57.4	23.0	16.1	17.2
MAX	220	371	6720	572	3340	746	300	2090	119	87	76	80
MIN	4.6	12	145	94	153	161	85	78	26	11	8.3	8.0
CFSM	.24	.58	6.31	1.14	6.01	2.08	1.10	2.75	.37	.15	.11	.11
IN.	.28	.64	7.27	1.31	6.26	2.40	1.23	3.17	.42	.17	.12	.12
AC=FT	2290	5280	59690	10750	51370	19710	10080	26010	3420	1420	991	1020
CAL YR 1982	TOTAL	52653.1	MEAN 144	MAX 6720	MIN 3.2	CFSM .94	IN 12.72	AC=FT 104400				
WTR YR 1983	TOTAL	96812.5	MEAN 265	MAX 6720	MIN 4.6	CFSM 1.72	IN 23.39	AC=FT 192000				

RED RIVER BASIN

07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.30	3.47	6.28	6.58	6.24	5.56	5.20	3.96	4.62	3.59	2.54	2.38
2	2.30	3.45	5.95	6.26	6.65	5.43	5.43	3.89	4.44	3.41	2.54	2.38
3	2.28	3.78	6.24	6.04	6.77	5.32	5.59	4.13	4.23	3.30	2.62	2.39
4	2.28	3.71	6.78	5.93	6.72	5.31	5.30	4.76	4.03	3.14	2.64	2.39
5	2.27	3.55	6.66	5.75	6.82	6.14	5.19	5.24	3.85	3.02	2.59	2.41
6	2.32	3.45	6.66	5.55	7.24	6.45	5.21	4.98	4.00	2.94	4.02	2.42
7	2.50	3.31	6.61	5.42	7.59	6.56	5.37	4.45	4.54	2.84	3.91	2.42
8	4.28	3.18	6.18	5.33	7.25	6.54	5.49	4.37	4.58	2.78	3.23	2.41
9	4.33	3.15	5.53	5.35	7.13	6.16	5.42	4.63	4.28	2.74	2.82	2.41
10	3.62	3.03	5.17	5.46	8.62	5.65	5.25	5.07	3.87	2.70	2.67	2.40
11	3.31	2.97	5.65	5.41	8.26	5.37	5.07	5.08	3.60	2.67	2.65	2.49
12	4.82	2.98	6.42	5.24	7.44	5.20	4.91	5.20	3.46	2.63	2.85	2.99
13	5.63	3.00	6.57	5.06	6.91	5.10	4.80	5.43	3.35	2.62	2.76	2.88
14	4.96	3.01	6.74	4.93	6.50	5.02	4.70	5.42	3.25	2.60	2.68	2.70
15	3.95	3.02	7.18	4.82	6.06	4.97	4.53	5.15	3.23	2.64	2.60	2.53
16	3.33	3.05	7.39	4.72	5.73	4.93	4.39	5.10	3.19	2.67	2.55	2.46
17	2.88	3.71	7.84	4.64	5.55	4.97	4.27	5.28	3.19	2.79	2.51	2.45
18	2.70	4.28	7.25	4.56	5.40	4.96	4.15	5.64	3.22	3.17	2.49	2.50
19	2.76	4.35	6.81	4.51	5.28	4.90	4.06	5.96	3.39	4.26	2.47	3.01
20	2.93	4.36	6.36	4.68	5.17	5.07	4.10	6.76	3.28	3.39	2.45	3.61
21	3.30	4.36	5.80	4.97	5.44	5.33	4.16	7.51	3.21	2.98	2.45	4.17
22	3.23	4.73	5.44	5.07	7.77	5.34	4.25	7.99	3.34	3.33	2.46	3.73
23	2.96	4.63	5.23	5.06	9.06	5.34	4.62	7.88	3.47	3.29	2.45	3.12
24	2.81	4.72	5.10	4.97	7.99	5.87	5.25	7.17	3.49	2.92	2.43	2.79
25	2.72	4.65	5.32	5.00	7.14	6.02	5.28	6.67	3.52	2.73	2.42	2.65
26	2.69	5.21	7.15	5.06	6.68	6.07	4.98	6.17	3.64	2.62	2.41	2.59
27	2.61	5.65	9.08	5.02	6.23	6.01	4.60	5.60	3.81	2.57	2.40	2.57
28	2.60	6.20	10.42	4.91	5.78	5.90	4.27	5.42	4.12	2.58	2.39	2.54
29	3.65	6.16	8.91	4.79	---	5.78	4.10	5.16	4.41	2.63	2.41	2.53
30	4.16	6.18	7.50	4.67	---	5.50	4.00	4.88	4.06	2.58	2.40	2.51
31	3.75	---	6.93	4.74	---	5.30	---	4.73	---	2.57	2.40	---
MAX	5.63	6.20	10.42	6.58	9.06	6.56	5.59	7.99	4.62	4.26	4.02	4.17
MIN	2.27	2.97	5.10	4.51	5.17	4.90	4.00	3.89	3.19	2.57	2.39	2.38

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW1/4SW1/4 sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11130109, near right bank on downstream side of bridge on State Highway 155, 0.5 mi upstream from Carrol Creek, and 3.3 mi north of Coushatta.

DRAINAGE AREA.--93.9 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair between 100 and 200 cfs, poor below and good above. Records of dissolved oxygen and water temperatures for the water 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years (water years 1957-77, 1980-83), 88.9 ft³/s, 12.86 in/yr, 64,410 acre-ft/vr.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	2200	923	8.22	Feb. 10	1530	*4840	*10.51
Dec. 16	1630	1330	8.62	Feb. 23	0930	2100	9.17
Dec. 28	0730	3270	9.84	May 21	1930	2670	9.51

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.09	134	364	584	110	16	4.7	11	5.0	.00	.00
2	.00	.00	194	408	730	90	50	4.3	9.9	3.4	.00	.00
3	.00	4.6	374	434	713	80	66	6.2	8.5	2.6	.00	.00
4	.00	8.2	752	339	573	84	46	7.6	7.2	2.0	.00	.00
5	.00	5.3	868	180	705	120	40	19	6.5	1.6	.00	.00
6	.00	2.0	747	100	1510	170	45	18	9.1	1.1	.00	.00
7	.00	.77	530	74	1420	180	54	10	25	.94	.00	.00
8	.00	.02	212	64	923	170	56	7.2	40	.77	10	.00
9	.00	.00	54	61	1010	120	30	6.4	22	.72	32	.00
10	.09	.00	36	85	3990	90	20	17	12	.62	15	.00
11	.12	.00	196	73	2550	70	14	21	9.6	.32	5.4	.00
12	3.1	.00	472	52	1050	56	11	30	6.6	.19	.67	.00
13	14	.00	567	38	670	48	10	51	4.4	.15	.00	.00
14	8.6	.00	550	29	412	43	9.0	50	3.5	.12	.00	.00
15	1.6	.00	876	24	157	40	8.0	66	2.8	.09	.00	.00
16	1.3	.00	1170	21	89	39	7.4	184	2.3	.05	.00	.00
17	.12	1.0	1200	19	67	40	6.8	249	2.1	.07	.00	.00
18	.00	40	852	18	51	39	6.6	170	2.1	.09	.00	.00
19	.00	52	538	17	42	34	6.6	390	2.0	.09	.00	.00
20	.00	32	215	20	36	40	6.5	1920	1.8	.05	.00	.00
21	.00	22	75	56	179	50	6.4	2440	1.7	.25	.00	.00
22	.00	16	48	76	1140	54	7.5	2250	1.8	.12	.00	.00
23	.00	12	39	64	1960	50	8.5	1260	1.8	1.7	.00	.00
24	.00	16	32	48	1140	70	9.1	787	1.8	1.8	.00	.00
25	.00	27	35	73	600	80	9.2	527	4.5	.67	.00	.00
26	.00	41	490	96	300	100	8.2	208	4.5	.09	.00	.00
27	.00	113	1680	88	170	86	7.1	43	11	.02	.00	.00
28	.00	278	2950	68	130	50	6.4	23	21	.00	.00	.00
29	.40	281	1710	55	---	36	5.6	16	11	.00	.00	.00
30	9.2	170	907	46	---	25	5.1	12	7.8	.00	.00	.00
31	2.7	---	614	65	---	19	---	11	---	.00	.00	---
TOTAL	41.23	1121.98	19117	3155	22901	2283	582.0	10808.4	255.3	24.62	63.07	.00
MEAN	1.33	37.4	617	102	818	73.6	19.4	349	8.51	.79	2.03	.000
MAX	14	281	2950	434	3990	180	66	2440	40	5.0	32	.00
MIN	.00	.00	32	17	36	19	5.1	4.3	1.7	.00	.00	.00
CFSM	.01	.40	6.57	1.09	8.71	.78	.21	3.72	.09	.008	.02	.000
IN.	.02	.44	7.57	1.25	9.07	.90	.23	4.28	.10	.01	.02	.00
AC-FT	82	2230	37920	6260	45420	4530	1150	21440	506	49	125	.00
CAL YR 1982	TOTAL	31024.91	MEAN	85.0	MAX	2950	MIN	.00	CFSM	.91	IN	12.29
WTR YR 1983	TOTAL	60352.60	MEAN	165	MAX	3990	MIN	.00	CFSM	1.76	IN	23.91
									AC-FT		AC-FT	61540
												119700

NOTE.--No gage-height record Feb. 24 to Apr. 18.

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.37	2.60	4.46	6.73	7.63	---	---	1.52	1.91	1.49	.85	1.73
2	2.37	2.44	5.19	7.04	7.93	---	---	1.48	1.83	1.33	.83	1.76
3	2.35	2.81	6.36	7.17	7.90	---	---	1.65	1.74	1.23	.86	1.79
4	2.34	3.08	7.97	6.54	7.61	---	---	1.78	1.64	1.16	.84	1.80
5	2.31	2.83	8.15	5.04	7.68	---	---	2.38	1.57	1.11	.81	1.80
6	2.30	2.47	7.96	4.02	8.76	---	---	2.36	1.78	1.04	.80	1.80
7	2.30	2.29	7.50	3.64	8.69	---	---	1.95	2.45	1.01	.80	1.80
8	2.33	2.10	5.39	3.46	8.22	---	---	1.74	3.00	.98	2.10	1.79
9	2.37	2.00	3.38	3.42	8.24	---	---	1.66	2.41	.97	3.45	1.79
10	2.47	1.94	3.03	3.81	10.18	---	---	2.29	1.98	.95	2.81	1.78
11	2.48	1.89	5.22	3.62	9.44	---	---	2.46	1.81	.90	2.16	1.78
12	2.70	1.96	7.31	3.25	8.36	---	---	2.76	1.58	.88	1.59	1.79
13	3.09	1.97	7.59	2.94	7.82	---	---	3.24	1.39	.90	1.29	1.79
14	2.89	2.00	7.55	2.72	6.95	---	---	3.21	1.29	.91	1.15	1.78
15	2.61	2.01	8.16	2.57	4.76	---	---	3.43	1.21	.91	1.24	1.76
16	2.59	2.02	8.48	2.47	3.86	---	---	5.08	1.15	.93	1.22	1.75
17	2.55	2.33	8.51	2.38	3.52	---	---	5.76	1.12	.94	1.26	1.74
18	2.57	3.79	8.13	2.34	3.22	---	---	4.92	1.12	.95	1.36	1.74
19	2.54	3.93	7.52	2.30	3.03	---	1.68	6.93	1.11	.95	1.42	1.73
20	2.58	3.26	5.42	2.44	2.91	---	1.67	9.02	1.09	.93	1.45	1.75
21	2.58	2.84	3.71	3.33	4.70	---	1.66	9.37	1.07	.99	1.47	1.77
22	2.55	2.53	3.27	3.67	8.37	---	1.73	9.26	1.10	.96	1.50	1.76
23	2.54	2.28	3.08	3.46	9.08	---	1.84	8.56	1.14	1.28	1.49	1.75
24	2.54	2.48	2.94	3.20	---	---	1.88	8.03	1.13	1.29	1.49	1.73
25	2.55	2.82	3.00	3.62	---	---	1.89	7.49	1.45	1.12	1.53	1.72
26	2.55	3.13	7.08	3.97	---	---	1.82	5.19	1.45	1.02	1.57	1.71
27	2.55	4.12	8.81	3.84	---	---	1.73	3.00	1.95	.97	1.59	1.70
28	2.55	6.02	9.67	3.54	---	---	1.66	2.47	2.43	.94	1.63	1.69
29	2.75	6.05	8.91	3.31	---	---	1.60	2.16	1.97	.91	1.67	1.68
30	3.61	4.92	8.20	3.12	---	---	1.55	1.94	1.74	.88	1.68	1.66
31	3.00	---	7.70	3.33	---	---	---	1.91	---	.87	1.72	---
MAX	3.61	6.05	9.67	7.17	10.18	---	---	9.37	3.00	1.49	3.45	1.80
MIN	2.30	1.89	2.94	2.30	2.91	---	1.55	1.48	1.07	.87	.80	1.66

RED RIVER BASIN

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07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: March 1981 to December 1982 (discontinued).

SUSPENDED-SEDIMENT DISCHARGE: March 1981 to December 1982 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 426 mg/L Sept. 28, 1982; minimum daily mean, no flow Sept. 1-19, 1982.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 174 tons Apr. 21, 1982; minimum daily, no flow Sept. 1-19, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 19...	0900	334	5.3	16.5	120	15	3.6	4.9
JAN 11...	1120	115	6.1	10.0	70	10	9.0	2.0
APR 06...	1145	142	6.1	16.0	70	10	6.7	1.2
JUL 12...	0915	193	6.7	28.5	100	5.0	--	4.6

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 19...	110	420	30	7.3	2.9	50	2.4	7	8.0
JAN 11...	520	1600	19	4.2	2.1	13	2.0	10	10
APR 06...	120	4300	24	5.7	2.4	16	1.5	11	11
JUL 12...	72	K2500	40	10	3.6	20	2.9	36	7.1

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 19...	87	<.1	6.6	206	168	.1	2.9	.07
JAN 11...	18	<.1	9.9	81	65	.1	.3	.27
APR 06...	26	<.1	8.8	103	78	<.1	.5	.08
JUL 12...	29	.1	8.6	126	103	<.1	1.3	.11

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

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

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
OCT 19...		1	5	<1	<1	3	<1	3	4	600	4900	6
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PR)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	
OCT 19...	20	900	470	.4	<.01	13	21	14	<.01	2	<.1	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 19...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	640	<.01	710	
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 19...	<.01	1200	<.01	<.1	<.01	4.5	<.01	<.1	<.01	<.1		
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1		
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
OCT 19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1		
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)		
OCT 19...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01		

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

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	138	67
JAN 11...	12	58
FEB 16...	17	56
MAR 08...	14	46
APR 06...	11	77
MAY 11...	27	63
JUN 07...	16	97
AUG 09...	24	85
SEP 07...	46	93

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER	
1	---	---	104	.03	76	27
2	---	---	---	---	82	43
3	---	---	100	1.2	90	91
4	---	---	98	2.2	70	142
5	---	---	85	1.2	95	223
6	---	---	65	.35	85	171
7	---	---	80	.17	89	127
8	---	---	91	.00	118	68
9	---	---	---	---	---	---
10	278	.07	---	---	---	---
11	297	.10	---	---	---	---
12	240	2.0	---	---	---	---
13	162	6.1	---	---	---	---
14	152	3.5	---	---	---	---
15	159	.69	---	---	---	---
16	156	.55	---	---	---	---
17	160	.05	72	.19	---	---
18	---	---	85	9.2	---	---
19	---	---	75	11	---	---
20	---	---	75	6.5	---	---
21	---	---	81	4.8	---	---
22	---	---	90	3.9	---	---
23	---	---	107	3.5	---	---
24	---	---	102	4.4	---	---
25	---	---	88	6.4	---	---
26	---	---	100	11	---	---
27	---	---	96	29	---	---
28	---	---	95	71	---	---
29	135	.15	75	57	---	---
30	145	3.6	78	36	---	---
31	105	.77	---	---	---	---

RED RIVER BASIN

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW1/4SE1/4 sec. 3, T.10 N., R. 6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on parish road, 1.8 mi northeast of Chivery Dam, 2.8 mi upstream from Allen Dam, and 5.0 mi northeast of Clarence.

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

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

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

REMARKS.--Drainage area does not include 412 mi² of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre acre-ft. Considerable regulation by Chivery Dam. Lakes are used for recreation. No gage-heights recorded below 1.20 ft.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.25 ft Jan. 1; minimum, 8.85 ft Sept. 17, 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.35	9.85	11.36	20.15	12.33	16.64	12.48	---	15.74	10.53	9.41	9.03
2	9.37	9.93	11.57	20.19	12.58	16.39	12.50	---	15.32	10.50	9.39	9.02
3	9.38	9.92	11.78	20.00	12.73	16.06	12.36	---	14.89	10.46	9.38	9.01
4	9.40	9.88	12.59	19.71	12.81	15.69	12.26	---	14.47	10.44	9.38	9.00
5	9.40	9.86	12.77	19.35	12.91	15.50	12.22	---	14.08	10.43	9.37	8.96
6	9.40	9.84	12.85	18.96	13.39	15.28	12.18	---	13.94	10.41	9.40	8.94
7	9.43	9.83	12.93	18.52	13.87	15.07	12.08	---	13.72	10.35	9.35	8.97
8	9.47	9.82	12.99	18.11	14.28	14.86	12.01	---	13.42	10.28	9.34	8.96
9	9.48	9.81	12.98	17.76	14.53	14.65	11.93	---	13.14	10.22	9.33	8.95
10	9.65	9.79	12.91	17.39	15.19	14.44	11.84	---	12.88	10.16	9.31	8.94
11	9.65	9.77	12.92	16.97	16.33	14.29	11.75	---	12.63	10.11	9.31	8.93
12	9.74	9.78	13.01	16.54	17.32	14.15	11.67	---	12.41	10.05	9.30	8.95
13	10.05	9.75	12.99	16.09	17.54	14.00	11.58	---	12.19	10.00	9.30	8.95
14	10.08	9.69	13.00	15.64	17.47	13.85	11.59	---	11.99	9.95	9.29	8.93
15	10.08	9.67	13.28	15.20	17.32	13.65	11.49	---	11.82	9.91	9.28	8.90
16	10.08	9.65	13.65	14.73	17.14	13.48	11.40	---	11.65	9.87	9.26	8.89
17	10.06	9.70	13.90	14.33	16.86	13.29	11.32	---	11.49	9.84	9.24	8.87
18	10.02	9.73	14.06	13.97	16.52	13.08	11.25	---	11.35	9.79	9.21	8.87
19	10.00	9.73	14.27	13.62	16.15	12.85	11.13	---	11.22	9.82	9.19	8.92
20	10.12	9.84	14.34	13.37	15.76	12.77	11.06	---	11.09	9.79	9.20	8.94
21	10.06	9.87	14.38	13.12	15.45	12.61	11.02	---	10.98	9.75	9.19	9.14
22	10.04	9.89	14.39	12.87	15.68	12.41	10.94	---	10.88	9.74	9.17	9.10
23	10.01	9.90	14.33	12.67	15.98	12.30	10.98	---	10.81	9.71	9.16	9.09
24	9.98	10.02	14.18	12.48	16.19	12.52	10.92	17.15	10.78	9.67	9.13	9.08
25	9.94	10.02	14.10	12.37	16.33	12.58	10.84	17.24	10.75	9.64	9.13	9.06
26	9.92	10.03	14.91	12.23	16.45	12.57	10.77	17.20	10.74	9.60	9.11	9.06
27	9.88	10.24	16.26	12.13	16.72	12.76	10.71	17.07	10.69	9.57	9.08	9.05
28	9.85	10.71	18.08	12.00	16.80	12.75	---	16.96	10.66	9.54	9.07	9.05
29	9.87	10.86	19.12	11.89	---	12.70	---	16.72	10.61	9.50	9.07	9.04
30	9.86	10.98	19.62	11.79	---	12.63	---	16.43	10.58	9.47	9.05	9.03
31	9.85	---	19.94	11.68	---	12.60	---	16.11	---	9.44	9.03	---
MAX	10.12	10.98	19.94	20.19	17.54	16.64	12.50	17.24	15.74	10.53	9.41	9.14
MIN	9.35	9.65	11.36	11.68	12.33	12.30	---	---	10.58	9.44	9.03	8.87

RED RIVER BASIN

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07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE1/4NW1/4 sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi upstream from mouth, and 2.5 mi northwest of Aloha.

DRAINAGE AREA.--80.4 mi².

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

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

REMARKS.--Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft concrete spillway. The crest of the spillway is 3.05 ft gage height. Drawdown structure consists of one 5- by 5-ft metal sluice gate that can be varied from -16.78 to -11.78 ft gage height. Area of lake is 1,580 acres, usable capacity, 11,200 acre-ft at 3.05 ft gage height. Reservoir is used for recreation.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.39 ft Dec. 27; minimum, 2.85 ft Sept. 17, 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.04	3.09	4.07	4.23	4.25	3.62	3.46	3.34	3.50	3.19	2.87	2.97
2	3.03	3.09	4.33	4.12	4.44	3.56	3.43	3.31	3.45	3.17	2.87	2.96
3	3.02	3.14	4.21	3.98	4.30	3.50	3.42	3.32	3.41	3.14	3.09	2.95
4	3.01	3.12	4.34	3.89	4.06	3.44	3.42	3.30	3.38	3.12	3.14	2.94
5	3.00	3.10	4.24	3.81	3.87	3.61	3.44	3.28	3.34	3.14	3.14	2.92
6	2.99	3.09	4.08	3.72	4.15	3.65	3.67	3.26	3.33	3.13	3.13	2.94
7	3.00	3.08	3.89	3.63	4.12	3.66	4.04	3.24	3.41	3.11	3.12	2.94
8	3.01	3.07	3.73	3.60	4.03	3.62	4.11	3.28	3.49	3.08	3.10	2.93
9	3.01	3.07	3.60	3.58	3.93	3.54	4.03	3.28	3.55	3.07	3.09	2.92
10	3.24	3.07	3.50	3.55	4.16	3.45	3.86	3.28	3.51	3.05	3.08	2.90
11	3.24	3.06	3.51	3.53	4.11	3.39	3.73	3.29	3.42	3.04	3.07	2.89
12	3.25	3.07	3.58	3.47	4.01	3.34	3.63	3.31	3.36	3.03	3.10	2.91
13	3.29	3.06	3.61	3.41	3.89	3.32	3.54	3.31	3.32	3.01	3.10	2.92
14	3.27	3.04	3.63	3.37	3.75	3.30	3.91	3.32	3.28	3.00	3.10	2.91
15	3.24	3.04	3.71	3.34	3.64	3.29	3.73	3.42	3.26	2.99	3.09	2.89
16	3.22	3.02	3.80	3.31	3.56	3.28	3.63	4.11	3.27	2.98	3.07	2.87
17	3.18	3.11	3.81	3.29	3.49	3.28	3.53	4.30	3.26	2.98	3.06	2.86
18	3.16	3.19	3.77	3.27	3.44	3.26	3.45	4.16	3.25	2.97	3.08	2.85
19	3.14	3.24	3.66	3.25	3.40	3.24	3.38	4.46	3.28	2.96	3.06	2.88
20	3.22	3.37	3.54	3.32	3.37	3.29	3.34	6.29	3.25	2.96	3.05	2.90
21	3.17	3.41	3.46	3.41	3.44	3.32	3.33	7.63	3.23	2.99	3.04	2.98
22	3.15	3.38	3.40	3.44	4.00	3.31	3.32	6.85	3.22	3.01	3.02	2.95
23	3.12	3.35	3.36	3.45	4.68	3.31	3.88	5.76	3.23	3.01	3.01	2.94
24	3.10	3.35	3.32	3.41	4.63	3.80	4.02	4.88	3.22	3.00	3.00	2.92
25	3.09	3.31	3.35	3.43	4.30	3.91	3.93	4.36	3.20	2.99	2.98	2.91
26	3.08	3.30	5.40	3.43	4.03	3.91	3.78	4.05	3.20	2.97	2.97	2.90
27	3.07	3.45	7.37	3.45	3.84	3.97	3.61	3.86	3.21	2.96	3.01	2.90
28	3.06	3.89	9.11	3.44	3.72	3.86	3.50	3.72	3.21	2.94	3.01	2.89
29	3.09	3.97	6.68	3.47	---	3.75	3.42	3.63	3.19	2.93	3.00	2.88
30	3.09	3.91	5.13	3.47	---	3.65	3.37	3.58	3.21	2.91	2.99	2.87
31	3.09	---	4.53	3.42	---	3.56	---	3.55	---	2.89	2.97	---
MAX	3.29	3.97	9.11	4.23	4.68	3.97	4.11	7.63	3.55	3.19	3.14	2.98
MIN	2.99	3.02	3.32	3.25	3.37	3.24	3.32	3.24	3.19	2.89	2.87	2.85

RED RIVER BASIN

07354100 KISATCHIE BAYOU AT LOTUS, LA
(Formerly published as Kisatchie Bayou near Bellwood)

LOCATION.--Lat 31°29'04", long 93°08'19", NW1/4SE1/4 sec. 24, T. 6 N., R. 8 W., Natchitoches Parish, Hydrologic Unit 11140207, at right bank on downstream side of bridge on unnumbered parish road, 0.5 mi west of Lotus, 1.2 mi downstream from Sheard Branch, and 4.8 mi southeast of Bellwood.

DRAINAGE AREA.--140 mi².

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

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

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

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s Dec. 27, 1983, gage height, 18.17 ft, from rating curve extended above 1,470 cfs on basis of contracted-opening measurement at gage height 18.17 ft; minimum 2.8 ft³/s Oct. 4, 5, 6, 7, 1982; minimum gage height, 1.94 ft Oct. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,700 ft³/s Dec. 27, gage height 18.17 ft, from rating curve extended as explained above; minimum, 2.8 ft³/s Oct. 4, 5, 6, 7, gage height, 2.19 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	5.4	5420	950	8520	187	143	54	202	56	18	22
2	3.0	5.5	1380	1170	1180	170	136	52	146	50	20	29
3	2.9	6.0	2740	480	560	156	128	49	121	46	521	25
4	2.9	7.2	4370	300	380	160	119	51	109	42	372	23
5	2.8	7.7	634	260	1170	1120	129	48	97	38	381	21
6	2.8	7.0	354	230	3080	469	736	43	211	37	160	21
7	3.0	6.0	257	210	640	235	551	39	211	35	73	21
8	3.5	5.2	204	290	375	178	264	38	133	33	125	20
9	5.2	4.9	172	460	550	149	206	43	105	32	137	19
10	15	4.5	154	250	2960	130	157	43	89	31	116	24
11	22	4.4	543	200	730	118	131	42	75	31	328	25
12	21	4.4	903	170	390	110	116	80	67	30	558	22
13	26	4.2	349	150	280	106	126	81	61	30	184	31
14	21	4.0	226	140	240	102	1050	65	56	35	102	36
15	13	4.1	897	130	215	97	273	576	56	45	127	25
16	8.6	4.3	712	125	190	93	159	1350	82	38	65	20
17	6.6	55	296	120	175	104	129	264	90	34	49	19
18	5.6	193	212	118	160	120	112	142	75	30	58	19
19	5.0	417	174	115	150	109	97	3120	79	28	56	22
20	5.4	623	144	260	140	248	85	4780	71	27	48	55
21	5.7	127	126	540	1400	359	80	7180	58	31	39	163
22	5.5	59	118	230	3610	185	79	4980	53	41	34	115
23	5.0	40	126	160	600	621	217	755	59	39	31	50
24	4.7	91	118	140	350	3480	180	394	81	32	29	36
25	4.4	79	1180	245	269	560	120	271	132	25	27	31
26	4.1	40	7610	275	229	321	93	219	101	23	28	28
27	4.0	2510	16700	175	201	444	75	188	239	21	26	26
28	4.0	2140	12800	140	194	236	65	167	146	20	25	26
29	4.6	342	1050	370	---	181	60	148	96	20	23	25
30	4.9	301	520	520	---	159	56	133	75	19	22	24
31	5.5	---	400	980	---	151	---	187	---	19	21	---
TOTAL	230.7	7101.8	60889	9903	28938	10858	5872	25582	3176	1018	3803	1023
MEAN	7.44	237	1964	319	1034	350	196	825	106	32.8	123	34.1
MAX	26	2510	16700	1170	8520	3480	1050	7180	239	56	558	163
MIN	2.8	4.0	118	115	140	93	56	38	53	19	18	19
CFSM	.05	1.69	14.0	2.28	7.39	2.50	1.40	5.89	.76	.23	.88	.24
IN.	.06	1.89	16.18	2.63	7.69	2.89	1.56	6.80	.84	.27	1.01	.27
AC-FT	458	14090	120800	19640	57400	21540	11650	50740	6300	2020	7540	2030

CAL YR 1982 TOTAL 84995.8 MEAN 233 MAX 16700 MIN 2.8 CFSM 1.66 IN 22.58 AC-FT 168600
WTR YR 1983 TOTAL 158394.5 MEAN 434 MAX 16700 MIN 2.8 CFSM 3.10 IN 42.09 AC-FT 314200

RED RIVER BASIN

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07354100 KISATCHIE BAYOU AT LOTUS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.35	15.43	---	16.70	6.03	5.47	4.13	6.20	---	3.24	3.37
2	---	2.35	10.34	11.52	11.53	5.81	5.38	4.09	5.51	---	3.31	3.57
3	---	2.38	11.21	---	---	5.64	5.26	4.04	5.16	---	7.48	3.46
4	2.20	2.44	14.34	---	---	5.66	5.13	4.07	4.99	---	7.55	3.39
5	2.19	2.46	8.07	---	---	11.25	5.27	4.02	4.83	---	7.66	3.35
6	2.19	2.43	6.47	---	13.88	8.30	9.41	3.91	6.22	---	5.65	3.34
7	2.21	2.38	5.71	---	---	6.59	8.71	3.81	6.31	---	4.47	3.33
8	2.24	2.34	5.24	---	---	5.91	6.91	3.81	5.33	---	5.16	3.30
9	2.34	2.32	4.91	---	---	5.55	6.25	3.92	4.94	---	5.38	3.27
10	2.71	2.30	4.73	---	14.20	5.29	5.66	3.90	4.72	---	5.03	3.43
11	2.93	2.30	7.29	---	---	5.12	5.31	3.89	4.52	---	6.96	3.46
12	2.89	2.30	9.30	---	---	5.00	5.08	4.58	4.38	---	8.76	3.36
13	3.02	2.28	6.41	---	---	4.95	5.16	4.60	4.27	---	5.98	3.63
14	2.90	2.28	5.43	---	---	4.90	10.79	4.33	4.17	---	4.90	3.75
15	2.65	2.28	8.87	---	---	4.83	6.89	7.06	4.18	---	5.24	3.47
16	2.50	2.29	8.41	---	---	4.77	5.68	11.54	4.62	---	4.34	3.32
17	2.41	3.22	6.03	---	---	4.93	5.27	6.78	4.73	---	4.04	3.28
18	2.36	5.07	5.30	---	---	5.15	5.03	5.45	4.50	---	4.21	3.29
19	2.33	6.20	4.94	---	---	4.98	4.83	13.20	4.57	---	4.18	3.36
20	2.35	7.77	4.61	---	---	6.36	4.67	14.82	4.44	---	4.02	4.13
21	2.37	4.41	4.41	---	---	7.60	4.58	16.35	4.21	---	3.83	5.66
22	2.36	3.59	4.32	---	14.93	6.00	4.57	15.24	4.11	---	3.70	5.01
23	2.33	3.29	4.41	---	---	7.22	6.36	9.81	4.24	---	3.63	3.99
24	2.31	3.99	4.32	---	---	14.31	5.93	7.87	4.59	---	3.56	3.68
25	2.30	3.84	7.99	---	6.97	8.77	5.14	6.96	5.32	---	3.52	3.52
26	2.28	3.29	16.36	---	6.52	7.36	4.77	6.41	4.89	3.40	3.54	3.43
27	2.27	9.93	17.25	---	6.20	8.19	4.51	6.04	6.59	3.35	3.50	3.37
28	2.27	11.68	16.83	---	6.11	6.59	4.35	5.78	5.50	3.32	3.46	3.33
29	2.31	6.34	---	---	---	5.95	4.25	5.54	4.81	3.31	3.42	3.29
30	2.33	5.71	---	---	---	5.68	4.18	5.34	---	3.29	3.38	3.26
31	2.36	---	---	---	---	5.58	---	5.96	---	3.26	3.35	---
MAX	3.02	11.68	17.25	---	16.70	14.31	10.79	16.35	---	---	8.76	5.66
MIN	2.19	2.28	4.32	---	---	4.77	4.18	3.81	---	3.26	3.24	3.26

RED RIVER BASIN

07354950 RED RIVER AT COLFAX, LA (CE 04450)

LOCATION.--Lat 31°30'58", long 92°43'13", in lot 38, T.6 N., R.3 W., Grant Parish, Hydrologic Unit 11140207, at mouth of Cane River, 0.3 mi west of Colfax, and at mile 140.5.

DRAINAGE AREA.--66,860 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1975 to current year.

CHLORIDE: October 1974 to current year.

SUSPENDED-SEDIMENT CONCENTRATIONS: December 1975 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 11, 1978, on many days during July, Aug., and Sept. 1983; minimum daily, 2.0°C Jan. 21, 1977.

CHLORIDE: Maximum daily, 400 mg/L June 29, 1978; minimum daily, 13 mg/L Dec. 21, 1982.

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily, 4,940 mg/L Mar. 25, 1977; minimum daily, 31 mg/L July 14, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 32.0°C on many days during July, Aug., and Sept.; minimum daily, 5.0°C Jan. 23-24.

CHLORIDE: Maximum daily, 180 mg/L Aug. 11; minimum daily, 13 mg/L Dec. 21.

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily, 2370 mg/L Dec. 7; minimum daily, 51 mg/L Sept. 30.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	18.0	14.0	9.0	8.0	10.5	15.0	21.0	24.0	28.0	32.0	32.0
2	25.0	19.0	14.0	8.0	8.0	11.0	15.0	21.0	24.0	28.0	31.0	31.0
3	25.0	16.0	14.0	8.0	7.0	12.0	15.0	21.0	25.0	28.0	30.0	31.0
4	25.0	15.0	14.0	7.0	7.0	13.5	15.0	21.0	25.0	28.0	30.0	31.0
5	25.0	14.0	14.0	7.0	7.0	13.0	15.0	21.0	25.0	28.0	30.0	30.0
6	26.0	14.0	14.0	7.0	7.0	12.0	15.0	22.0	25.0	29.0	30.0	30.0
7	26.0	14.0	14.0	8.0	6.0	12.0	15.0	23.0	25.0	28.0	30.0	29.0
8	26.0	14.0	14.0	8.0	6.0	13.0	15.0	23.0	25.0	28.0	31.0	28.0
9	27.0	15.0	13.0	9.0	7.0	11.0	15.0	23.0	25.0	28.0	31.0	28.0
10	26.0	16.0	13.0	9.0	8.0	10.0	16.0	23.0	25.0	28.0	31.0	28.0
11	24.0	16.0	12.0	9.0	8.0	9.0	16.0	22.0	26.0	29.0	31.0	28.0
12	22.0	15.0	11.0	9.0	8.0	9.0	16.0	22.0	26.0	29.0	31.0	28.0
13	22.0	14.0	10.0	9.0	8.0	10.0	17.0	23.0	26.0	29.0	31.0	28.0
14	22.0	14.0	9.0	9.0	7.0	10.0	17.0	23.0	26.0	29.0	32.0	28.0
15	22.0	13.0	9.0	9.0	7.0	10.5	17.0	23.0	26.0	29.0	32.0	28.0
16	22.0	13.0	8.0	9.0	8.0	10.5	17.0	22.0	26.0	29.0	32.0	28.0
17	22.0	14.0	8.0	8.0	9.0	10.5	17.0	23.0	26.0	29.0	32.0	28.0
18	22.0	14.0	8.0	8.0	10.0	10.0	18.0	23.0	26.0	29.0	31.0	28.0
19	22.0	15.0	8.0	8.0	11.0	10.0	18.0	23.0	26.0	29.0	30.0	26.0
20	22.0	15.0	10.0	7.0	12.0	10.0	17.0	22.0	26.0	30.0	31.0	25.0
21	22.0	15.0	10.0	7.0	13.0	9.0	16.0	22.0	27.0	30.0	31.0	24.0
22	22.0	15.0	10.0	6.0	13.0	9.0	17.0	22.0	27.0	30.0	31.0	23.0
23	22.0	15.0	10.0	5.0	13.0	10.0	17.0	23.0	27.0	30.0	32.0	22.0
24	22.0	15.0	11.0	5.0	13.0	10.0	17.0	23.0	27.0	31.0	32.0	22.0
25	23.0	14.0	11.0	7.0	13.0	9.5	17.0	23.0	27.0	32.0	32.0	23.0
26	23.0	14.0	12.0	8.0	13.0	10.0	17.0	23.0	28.0	32.0	32.0	23.0
27	23.0	15.0	12.0	7.0	12.0	10.0	18.0	23.0	28.0	32.0	32.0	23.0
28	23.0	14.0	12.0	7.0	12.0	9.5	19.0	24.0	28.0	32.0	32.0	23.0
29	23.0	13.0	11.0	7.0	---	9.0	20.0	24.0	28.0	32.0	31.0	24.0
30	23.0	14.0	10.0	7.0	---	13.0	20.0	24.0	28.0	32.0	32.0	24.0
31	23.0	---	10.0	8.0	---	12.0	---	24.0	---	32.0	32.0	---
MEAN	23.5	14.5	11.5	7.5	9.5	10.5	16.5	22.5	26.0	29.5	31.0	27.0
MAX	27.0	19.0	14.0	9.0	13.0	13.5	20.0	24.0	28.0	32.0	32.0	32.0
MIN	22.0	13.0	8.0	5.0	6.0	9.0	15.0	21.0	24.0	28.0	30.0	22.0

07354950 RED RIVER AT COLFAX, LA (CE 04450)--Continued

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	90	36	20	28	26	56	46	51	110	100	130
2	130	88	33	16	26	20	54	56	64	88	110	130
3	120	88	20	20	24	20	72	54	65	140	92	130
4	130	86	20	19	27	24	72	68	60	140	98	130
5	160	99	26	21	22	20	41	64	56	---	110	120
6	130	130	22	16	20	20	48	60	56	---	130	120
7	120	98	20	18	21	24	44	41	59	32	130	100
8	120	98	21	20	32	21	46	70	62	38	140	100
9	120	110	15	17	20	20	45	71	79	44	130	100
10	96	100	20	23	17	18	43	97	85	46	---	110
11	88	110	15	25	18	18	42	74	86	47	180	110
12	66	110	16	16	18	21	40	47	100	53	120	100
13	66	120	20	16	20	21	46	49	100	61	120	99
14	70	98	16	16	17	16	50	42	110	45	140	89
15	70	82	18	---	19	14	44	38	94	40	130	86
16	94	76	20	21	20	18	45	42	84	40	120	95
17	99	64	26	22	20	16	54	28	89	42	120	92
18	87	70	20	22	16	16	54	32	74	49	120	88
19	96	71	23	27	14	18	61	30	78	49	120	93
20	110	60	20	24	20	19	60	23	80	44	110	96
21	100	60	13	30	18	20	59	21	80	48	110	110
22	99	58	25	30	20	19	52	25	86	56	110	120
23	99	55	18	31	20	23	48	24	110	46	110	110
24	90	71	22	28	14	22	47	18	120	53	120	94
25	93	56	21	31	42	23	52	22	150	46	110	81
26	92	56	16	28	20	27	42	28	82	52	110	78
27	90	56	14	32	19	26	50	34	76	52	120	87
28	90	41	16	34	16	24	46	37	78	58	110	90
29	85	34	20	36	---	40	34	38	80	63	110	110
30	130	33	20	30	---	50	40	36	76	75	130	110
31	---	---	15	24	---	51	---	36	---	76	130	---
MEAN	100	79	20	24	21	23	50	44	82	60	120	100
MAX	160	130	36	36	42	51	72	97	150	140	180	130
MIN	66	33	13	16	14	14	34	18	51	32	92	78

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	287	237	792	337	831	869	599	---	602	615	314	192
2	253	209	1020	391	436	621	522	286	451	---	250	77
3	218	194	1200	336	412	302	355	299	444	372	230	87
4	199	211	870	324	342	647	423	249	483	363	387	86
5	216	207	917	291	533	622	571	229	344	---	194	140
6	186	243	896	329	556	524	510	209	618	---	225	110
7	177	223	2370	301	499	292	283	168	687	989	231	99
8	207	262	997	316	646	698	282	351	384	713	260	80
9	210	241	1130	304	617	800	229	566	570	679	244	78
10	311	276	1100	462	757	789	238	474	430	636	223	95
11	431	465	810	463	700	726	220	618	494	680	200	133
12	403	472	789	469	443	519	388	456	338	608	329	98
13	418	367	550	383	558	366	---	386	462	642	209	132
14	361	371	634	460	641	423	166	430	348	532	116	114
15	393	511	1230	534	448	327	362	445	504	520	157	122
16	292	279	826	367	306	509	220	441	286	414	111	76
17	247	265	750	343	275	488	209	246	255	402	103	69
18	245	270	374	533	246	235	262	186	193	400	94	81
19	217	405	437	580	407	391	286	603	213	474	114	72
20	172	406	669	534	380	762	256	---	191	473	119	96
21	215	303	564	338	865	321	210	434	197	383	122	93
22	231	290	569	375	666	511	184	704	131	346	69	145
23	234	263	545	385	389	480	255	658	238	373	113	84
24	170	259	477	379	452	245	302	625	235	434	126	63
25	308	377	603	476	505	374	540	701	434	578	134	96
26	196	313	414	246	751	320	191	559	515	294	120	104
27	155	482	413	363	911	467	236	651	717	305	114	56
28	225	858	411	222	993	230	192	724	341	304	117	66
29	196	479	268	329	---	308	246	683	274	262	127	61
30	189	486	241	221	---	305	234	597	242	198	110	51
31	224	---	236	243	---	200	---	352	---	187	124	---
MEAN	251	341	745	375	556	473	309	460	387	471	174	95
MAX	431	858	2370	580	993	869	599	724	717	989	387	192
MIN	155	194	236	221	246	200	166	168	191	187	69	51

RED RIVER BASIN

07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°23'38", long 92°40'02", T.5 N., R.3 W., Grant-Rapides Parish line, Hydrologic Unit 11140207, near center of span on downstream side of bridge on State Highway 8, 0.2 mi northwest of Boyce, and at mile 135.0.

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, U.7 UM-MF (COLS./ 100 ML)
OCT 18...	1500	745	7.3	21.0	40	45	<1.0	9.6	140	4.0	K120	K25
NOV 17...	0815	544	7.1	13.0	80	110	<1.0	9.6	48	2.7	2400	K340
DEC 08...	1445	172	6.4	15.0	240	280	<1.0	6.7	38	3.2	K2200	480
JAN 10...	1600	152	6.8	12.0	100	80	<1.0	9.9	18	--	1600	260
FEB 15...	1230	141	6.5	10.0	120	120	<1.0	10.0	16	2.2	--	570
MAR 07...	1345	187	7.2	15.5	100	130	<1.0	8.8	36	2.4	2500	640
APR 06...	1615	323	7.0	15.5	50	130	<1.0	8.6	15	1.3	4400	540
MAY 10...	1415	625	7.5	22.5	10	100	<1.0	8.4	39	1.4	1400	K52
JUN 08...	0810	407	7.2	24.5	30	95	<1.0	6.6	42	1.2	760	72
JUL 11...	1440	356	7.2	28.5	30	200	<1.0	6.2	21	--	K550	K44
AUG 08...	1330	852	7.9	31.0	5	20	<1.0	7.7	61	1.7	K100	K16
SEP 06...	1600	860	8.0	28.5	10	15	<1.0	9.9	32	3.3	K3800	230

DATE	HARD- NESS (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	ALKA- LITY FIELD (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 18...	230	64	16	163	70	100	70	--	.02	<.1	.7	.14
NOV 17...	150	42	9.8	96	42	70	75	.34	.06	.4	.5	.13
DEC 08...	57	17	3.4	69	10	12	1020	.31	.19	.5	.4	.29
JAN 10...	45	14	2.5	35	13	12	225	.15	.05	.2	.7	.14
FEB 15...	40	12	2.5	27	13	13	242	.21	.09	.3	.6	.15
MAR 07...	59	18	3.3	46	20	17	284	.25	.05	.3	.9	.11
APR 06...	90	27	5.4	61	36	37	210	.25	.05	.3	.3	.12
MAY 10...	160	46	11	83	75	95	144	--	.04	<.1	.3	.14
JUN 08...	110	32	7.7	62	51	57	200	.22	.08	.3	.6	.08
JUL 11...	100	30	6.2	67	36	43	40	.22	.08	.3	.5	.10
AUG 08...	210	59	16	125	96	130	32	--	.01	<.1	.4	.06
SEP 06...	210	58	17	162	79	110	44	--	.02	<.1	1.7	.07

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 18...	4	3	<10	<1	1	<1	10	<1	8	4	15	15
NOV 17...	2	1	<10	<1	<1	1	20	<1	10	2	41	18
DEC 08...	2	1	<10	<1	1	<1	10	<1	28	4	120	21
JAN 10...	3	2	<10	<1	1	1	20	<1	8	3	200	17
FEB 15...	2	1	<10	<1	2	<1	10	<1	9	8	170	17
MAR 07...	2	1	10	1	2	2	40	<1	10	3	220	45
APR 06...	2	1	<10	<1	<1	<1	10	<1	7	6	150	13
MAY 10...	2	1	<10	<1	1	<1	10	1	5	1	18	15
JUN 08...	2	1	<10	<1	<1	1	20	<1	--	11	73	10
JUL 11...	2	1	<10	<1	2	<1	<10	<1	3	3	39	15
AUG 08...	2	1	<10	<1	3	1	10	<1	2	1	9	11
SEP 06...	2	2	<10	<1	1	<1	20	<1	9	5	270	10

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	4	.2	<.1	6	2	<1	<1	3.8	30	4	7.4
NOV 17...	1	.2	<.1	13	2	<1	<1	2.1	20	9	--
DEC 08...	6	<.1	<.1	45	4	<1	<1	.6	90	8	16
JAN 10...	17	.2	.1	8	2	<1	<1	3.1	40	12	7.9
FEB 15...	8	.1	.4	10	5	<1	<1	.8	40	12	7.2
MAR 07...	8	<.1	.1	7	4	<1	<1	.8	40	14	10
APR 06...	8	.2	.2	13	2	<1	<1	.6	50	3	13
MAY 10...	2	<.1	<.1	15	5	<1	<1	1.0	40	7	8.4
JUN 08...	<1	<.1	<.1	10	3	<1	<1	.6	30	8	8.6
JUL 11...	7	<.1	<.1	10	2	<1	<1	2.1	30	6	11
AUG 08...	5	<.1	.2	2	1	<1	<1	--	20	8	6.4
SEP 06...	1	<.1	<.1	4	4	<1	<1	--	30	12	5.7

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 18...	<.01	<1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
NOV 17...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
DEC 08...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
JAN 10...	<.01	<1	1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
FEB 15...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
MAR 07...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
APR 06...	<.01	<1	2	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
MAY 10...	.02	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
JUN 08...	<.01	1	1	<.1	--	<.1	--	<.001	--	<.1	--
JUL 11...	<.01	2	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
AUG 08...	<.01	<1	3	<.1	--	<.1	--	<.001	--	<.1	--
SEP 06...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 18...	<.001	.9	<.001	.6	<.001	.4	.01	<.1	<.001	1.0	<.001
NOV 17...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
DEC 08...	<.001	--	<.001	--	<.001	--	<.01	--	.002	--	<.001
JAN 10...	<.001	<.1	<.001	.1	<.001	.2	<.01	<.1	<.001	<.1	<.001
FEB 15...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
MAR 07...	<.001	--	<.001	--	<.001	--	<.01	--	.005	--	<.001
APR 06...	<.001	<.1	<.001	.1	<.001	.2	<.01	<.1	<.001	<.1	<.001
MAY 10...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
JUN 08...	<.001	--	<.001	--	<.001	--	.01	--	<.001	--	<.001
JUL 11...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001
AUG 08...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
SEP 06...	<.001	--	<.001	--	<.001	--	.13	--	<.001	--	<.001

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ENDRI- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRI- N, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	DATA TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
18...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
NOV											
17...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
DEC											
08...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JAN											
10...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
FEB											
15...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
MAR											
07...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
APR											
06...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
MAY											
10...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JUN											
08...	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
JUL											
11...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
AUG											
08...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
SEP											
06...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT											
18...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
NOV											
17...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
DEC											
08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
JAN											
10...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
FEB											
15...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
MAR											
07...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
APR											
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
MAY											
10...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
JUN											
08...	.01	--	<.01	--	.01	--	.01	--	<.01	--	.01
JUL											
11...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
AUG											
08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
SEP											
06...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
18...	<.1	<.1	<1	<1	<10	<.01	<.1	.17	<.01	.05	<.01
NOV											
17...	--	<.1	--	<1	--	<.01	--	.03	<.01	<.01	<.01
DEC											
08...	--	<.1	--	<1	--	<.01	--	<.01	<.01	<.01	<.01
JAN											
10...	<.1	<.1	<1	<1	<10	<.01	<.1	.02	<.01	<.01	<.01
FEB											
15...	--	<.1	--	<1	--	<.01	--	.04	<.01	<.01	<.01
MAR											
07...	--	<.1	--	<1	--	<.01	--	.07	<.01	<.01	<.01
APR											
06...	--	<.1	<1	<1	<10	<.01	<.1	.03	<.01	<.01	<.01
MAY											
10...	--	<.1	--	<1	--	<.01	--	.02	<.01	<.01	<.01
JUN											
08...	--	<.1	--	<1	--	.01	--	.02	<.01	<.01	<.01
JUL											
11...	<.1	<.1	<1	<1	<10	<.01	<.1	.01	.01	.01	<.01
AUG											
08...	--	<.1	--	<1	--	<.01	--	<.01	<.01	.01	<.01
SEP											
06...	--	<.1	--	<1	--	<.01	--	<.01	<.01	<.01	<.01

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

RED RIVER BASIN

105

07355433 LAKE BUHLOW ABOVE KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 1), AT PINEVILLE, LA

LOCATION.--Lat 31°20'26", long 92°26'14", in NE1/2 sec. 16, T.4 N., R.1 W, Rapides Parish, Hydrologic Unit 08040301, 0.2 mi northeast of Kansas City Southern railroad bridge, and 0.5 mi northwest of high school.

DRAINAGE AREA.--Not Determined.

PERIOD OF RECORD.--February 1982 to January 1983 (discontinued).

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FEACAL, 0.7 UM-MF (COLS. PER 100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1400	120	8.1	28.5	40	10	12.8	71	8.2	K40	K6	600
13...	1000	102	6.1	21.0	40	16	4.9	37	4.6	K2500	2200	5300
NOV												
16...	1330	99	5.9	15.0	15	15	8.5	60	4.2	K20	K5	K40
DEC												
01...	1017	39	5.9	18.0	120	60	8.2	21	3.7	K19000	5900	K32000
06...	1307	67	5.9	18.0	100	55	6.0	47	2.3	K3200	K320	390
JAN												
03...	1330	69	5.9	9.0	100	15	9.2	22	2.7	3900	460	910
31...	1020	90	5.7	12.0	80	30	8.6	28	2.4	6700	120	340

DATE	ALKALINITY FIELD (MG/L AS CaCO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C SUS-PENDED (MG/L)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOROPHYLL-A, PHYTOPLANKTON CHROMOFLUOROM (UG/L)	CHLOROPHYLL-B, PHYTOPLANKTON CHROMOFLUOROM (UG/L)
OCT											
04...	27	91	54	<.01	<.10	.38	1.2	.06	.04	100	<.1
13...	32	107	37	<.01	<.10	.37	.9	.04	<.01	23.0	<.1
NOV											
16...	22	80	20	.02	.36	.72	2.1	.03	<.01	22.0	<.1
DEC											
01...	9	51	55	<.01	.31	.09	.8	.12	.05	.8	<.1
06...	13	66	22	.02	.34	.50	1.3	.08	.02	5.8	<.1
JAN											
03...	19	66	24	<.01	.16	.14	.5	.07	.02	1.4	<.1
31...	17	64	6	.01	.27	.17	.5	.07	.05	15.0	<.1

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

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

07355433 LAKE BUHLOW ABOVE KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 1), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO JANUARY 1983

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS. PER 100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1410	121	6.5	25.0	30	15	7.5	<10	7.7	1400	68	60
13...	1005	79	5.7	18.5	100	60	5.0	21	3.4	>2000	K6900	K20000
NOV												
16...	1330	99	5.8	14.0	15	20	9.1	28	4.0	K15	K5	K30
DEC												
01...	1015	40	5.9	18.0	120	60	8.1	52	3.1	15000	K6900	K24000
06...	1305	76	5.9	16.5	80	70	4.9	31	3.4	5000	400	1100
JAN												
03...	1335	69	5.8	9.0	80	30	8.5	20	3.1	3200	400	690
31...	1030	79	5.8	12.0	80	40	8.1	22	2.5	K600	K20	3600

DATE	ALKALINITY FIELD (MG/L AS CAC03)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
04...	33	93	7	<.01	<.10	.13	1.2	.07	<.01	110	7.9
13...	19	82	64	<.01	<.10	.24	1.3	.08	.01	--	--
NOV											
16...	26	81	27	.02	.23	.43	1.1	.03	<.01	24.0	<.1
DEC											
01...	8	48	70	<.01	.12	.08	<.1	.11	.04	.8	<.1
06...	15	68	64	.01	.19	.36	1.5	.10	.02	4.5	<.1
JAN											
03...	17	64	16	<.01	.14	.12	.4	.07	.02	1.7	<.1
31...	17	60	18	<.01	.23	.09	.5	.07	.02	19.0	<.1

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

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

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

07355434 LAKE BUHLOW BELOW KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 2), AT PINEVILLE, LA

LOCATION.--Lat 31°20'15", long 92°26'29", in north central part of irregular sec. 16, T.4 N., R.1 W., Rapides Parish, hydrologic Unit 08040301, 0.1 mi southeast of Kansas City Southern railroad bridge, and 0.1 mi from Pineville Municipal Airport.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February 1982 to January 1983 (discontinued).

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECALE, 0.7 UM-MF (COLS. PER 100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1430	123	8.4	28.0	30	10	15.6	26	8.8	K16	<4	110
13...	1020	105	5.8	21.5	20	10	5.8	23	4.4	K1600	420	1800
NOV												
16...	1345	92	5.6	15.0	20	20	8.9	51	3.3	K15	<5	560
DEC												
01...	1028	55	5.9	17.5	120	65	7.5	20	2.7	K17000	4000	K22000
06...	1310	61	5.6	18.5	100	55	6.0	25	1.5	K2800	280	1400
JAN												
03...	1340	40	5.5	10.5	100	45	8.6	17	1.5	2400	120	410
31...	1100	60	5.8	12.0	80	45	9.3	<10	1.9	K140	K20	K5800

DATE	ALKALINITY FIELD (MG/L AS CaCO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOROPHYLL-A, PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYLL-B, PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
OCT											
04...	33	86	7	<.01	<.10	.11	1.4	.04	<.01	130	<.1
13...	27	108	23	<.01	<.10	.34	1.0	.04	<.01	58.0	<.1
NOV											
16...	23	81	18	.02	.22	.59	1.4	.02	<.01	22.0	<.1
DEC											
01...	10	57	60	<.01	.20	.22	1.3	.07	.02	2.9	<.1
06...	13	61	62	.01	.22	.40	1.1	.08	.02	4.3	<.1
JAN											
03...	6	58	31	.02	.22	.17	.4	.06	.03	12.0	<.1
31...	10	50	8	<.01	.24	.07	.4	.06	.01	25.0	1.1

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

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

RED RIVER BASIN

07355434 LAKE BUHLOW BELOW KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 2), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPECIFIC CONDUCTANCE (UMHUS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	CULIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	CULIFORM, FECAL, 0.7 UM-4F (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML)
OCT												
04...	1440	119	6.3	25.5	30	15	2.3	31	5.1	K12	--	K30
13...	1025	102	6.0	21.5	30	15	5.0	34	4.5	K1700	880	K2500
NOV												
16...	1345	95	5.5	14.0	15	15	6.0	50	2.0	K20	<5	2700
DEC												
01...	1025	54	5.9	17.5	120	70	7.5	18	3.2	12000	3800	18000
06...	1315	62	5.9	16.5	80	90	5.8	27	3.3	K3600	580	790
JAN												
03...	1345	33	5.5	10.5	80	65	8.5	21	2.1	580	100	290
31...	1120	63	5.4	12.0	100	45	8.9	<10	2.2	1000	K20	15000
DATE		ALKALINITY FIELD (MG/L AS CaCO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOROPHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYTO-PLANKTON CHROMO FLUOROM (UG/L)
OCT												
04...		35	90	5	<.01	<.10	.14	1.5	.06	<.01	130	<.1
13...		30	96	28	<.01	<.10	.33	.7	.09	<.01	47.0	<.1
NOV												
16...		21	80	26	.03	.25	.65	1.2	.02	<.01	24.0	<.1
DEC												
01...		10	56	68	<.01	.17	.20	.9	.09	.01	3.9	<.1
06...		13	62	79	.01	.20	.37	1.0	.12	.02	3.5	<.1
JAN												
03...		8	48	92	<.01	.20	.17	.6	.07	.01	8.3	<.1
31...		7	42	14	<.01	.25	.09	.5	.06	.01	26.0	<.1

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

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

RED RIVER BASIN

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07355435 LAKE BUHLOW NORTHEAST OF FORT BUHLOW (SITE 3), AT PINEVILLE, LA

LOCATION.--Lat 31°20'00", long 92°26'39", in south central part of irregular sec. 16, T.4 N., R.1 W., Rapides Parish,
Hydrologic Unit 08040301, 0.1 mi northwest of U.S. Highway 71 and 0.5 mi northeast of Fort Buhlow.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February 1982 to January 1983 (discontinued).

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, (COLS. PER 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1445	121	8.6	29.0	50	15	12.0	28	7.9	K16	K2	46
13...	1045	106	5.9	21.5	30	15	5.9	37	4.0	1400	420	1600
NOV												
16...	1415	94	5.4	15.0	15	15	7.9	54	2.5	K15	<5	K55
DEC												
01...	1100	69	5.8	17.5	120	55	6.7	21	3.1	11000	3500	12000
06...	1335	62	5.9	18.0	80	60	5.7	30	2.2	1600	K340	100
JAN												
03...	1350	39	5.5	10.5	100	40	8.6	20	2.0	K1300	120	380
31...	1145	61	4.9	12.0	100	50	9.4	10	2.4	K60	300	7000

DATE	ALKA- LINEITY FIELD (MG/L AS CAC03)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
04...	34	86	10	<.01	<.10	.09	1.0	.05	<.01	88.0	<.1
13...	28	97	18	<.01	<.10	.35	.8	.04	<.01	68.0	<.1
NOV											
16...	23	80	22	.02	.24	.60	1.6	.02	<.01	20.0	<.1
DEC											
01...	11	61	56	.01	.21	.23	1.2	.08	<.01	8.3	3.9
06...	10	62	33	.02	.22	.37	1.0	.08	.02	5.7	<.1
JAN											
03...	8	53	26	<.01	.21	.18	.5	.06	.01	7.3	<.1
31...	3	42	18	<.01	.25	.12	.5	.06	.01	18.0	<.1

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

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

RED RIVER BASIN

07355435 LAKE EHLLOW NORTHEAST OF FORT EHLLOW (SITE 3), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, (COLS. PER 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1450	119	6.6	25.5	40	10	4.2	25	5.9	K68	K4	110
13...	1050	105	6.2	21.0	30	15	5.9	39	4.0	K1600	640	2000
NOV												
16...	1415	95	5.3	14.0	20	15	6.4	51	2.8	K10	<5	K25
DEC												
01...	1055	68	5.9	17.5	120	60	6.2	21	2.7	14000	2200	12000
06...	1330	63	5.6	17.5	120	55	5.5	44	2.4	1800	400	1000
JAN												
03...	1355	39	5.5	10.5	80	50	8.5	20	2.1	780	170	290
31...	1200	60	4.9	12.0	100	80	8.7	12	1.6	1400	K15	620

DATE	ALKAL- L INITY FIELD (MG/L AS CAC03)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
04...	36	91	18	<.01	<.10	.10	1.1	.05	<.01	88.0	<.1
13...	30	97	36	<.01	<.10	.36	1.4	.04	.02	33.0	<.1
NOV											
16...	20	82	24	.02	.23	.62	1.4	.02	<.01	20.0	<.1
DEC											
01...	12	64	64	.02	.21	.30	1.0	.08	.01	7.7	1.3
06...	11	62	47	.02	.26	.43	1.1	.09	.02	3.9	<.1
JAN											
03...	7	51	36	<.01	.18	.15	.4	.06	.01	8.9	<.1
31...	3	54	89	<.01	.24	.13	.5	.09	.02	13.0	<.1

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

RED RIVER BASIN

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07355436 LAKE BUHLOW SOUTH OF MISSOURI PACIFIC RAILROAD (SITE 4), AT PINEVILLE, LA

LOCATION.--Lat 31°20'00", long 92°27'05", in southeastern corner of irregular sec. 10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040301, under power line, and 0.1 mi southwest of Missouri Pacific railroad.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February 1982 to January 1983 (discontinued).

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, TOCOC, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1500	124	9.1	29.5	60	10	15.1	65	9.3	K40	K2	40
13...	1105	105	6.3	21.5	20	10	6.5	41	4.5	880	200	1900
NOV												
16...	1430	95	5.3	15.5	15	15	8.6	49	2.6	K5	<5	100
DEC												
01...	1125	78	6.0	18.0	100	40	8.9	38	3.1	1300	K360	1400
06...	1350	62	6.0	19.5	120	50	6.3	30	4.0	1600	220	2200
JAN												
03...	1400	40	5.5	10.5	80	50	9.0	20	2.1	2700	160	540
31...	1215	59	5.1	13.0	80	40	10.1	12	2.1	860	K10	230

DATE	ALKALINITY FIELD AS (MG/L CA CO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C SUS-PENDED (MG/L)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOROPHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYTO-PLANKTON CHROMO FLUOROM (UG/L)
OCT											
04...	34	89	12	<.01	<.10	.07	1.0	.08	<.01	63.0	<.1
13...	33	96	31	<.01	<.10	.31	1.6	.05	<.01	83.0	.6
NOV											
16...	22	83	22	.02	.27	.59	1.5	.02	<.01	17.0	<.1
DEC											
01...	13	62	30	.01	.25	.27	1.0	.05	<.01	20.0	2.6
06...	12	64	30	.02	.23	.41	1.1	.08	.02	10.0	<.1
JAN											
03...	7	50	30	<.01	.20	.16	.3	.06	.01	11.0	<.1
31...	5	35	18	<.01	.22	.09	.5	.09	.02	32.0	<.1

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

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

RED RIVER BASIN

07355436 LAKE BUHLOW SOUTH OF MISSOURI PACIFIC RAILROAD (SITE 4), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, OCTOBER 1982 TO JANUARY 1983

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, U.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
04...	1910	133	6.3	25.5	40	10	.0	37	5.8	160	K10	74
13...	1110	104	6.3	21.5	20	10	6.4	69	5.4	860	180	1500
NOV												
16...	1430	95	5.3	14.5	15	20	6.7	50	2.1	K5	<5	K5
DEC												
01...	1115	76	6.1	17.5	100	45	8.1	23	3.1	1800	420	2600
06...	1348	63	5.9	17.5	120	90	4.6	25	3.8	1400	K330	1000
JAN												
03...	1405	39	5.7	10.5	100	55	8.9	20	2.0	K1000	130	570
31...	1230	59	5.1	13.0	100	45	10.2	12	2.4	520	K20	230

DATE	ALKA- LINEITY FIELD (MG/L AS CAC03)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
04...	35	100	6	<.01	<.10	.21	.9	.07	<.01	73.0	<.1
13...	34	102	5	<.01	<.10	.31	1.9	.04	<.01	60.0	<.1
NOV											
16...	21	82	40	.02	.24	.60	1.3	.02	<.01	12.0	<.1
DEC											
01...	13	64	30	.01	.24	.27	1.0	.05	<.01	15.0	2.6
06...	12	61	34	.02	.24	.42	1.0	.11	.01	5.7	<.1
JAN											
03...	9	46	93	<.01	.20	.16	.4	.06	.01	4.9	<.1
31...	5	42	1	<.01	.22	.07	.4	.07	.02	29.0	<.1

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

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

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

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

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to September 1982 (see NOTE). 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.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1929-36.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft National Geodetic Vertical Datum of 1929 or 44.18 ft above mean Gulf level, Mississippi River Commission datum (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--54 years (water years 1929-82) 30,770 ft³/s, 22,292,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 233,000 ft³/s Apr. 17, 1945, gage height, 45.23 ft; minimum, 873 ft³/s Oct. 30, 1956, gage height, -3.01 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 210,000 ft³/s was measured July 2, 1908, gage height, 41.6 ft.

EXTREMES FOR CURRENT YEAR.--Water Year 1982: Maximum daily discharge, 96,000 ft³/s Nov. 7, 8; minimum daily, 2,000 ft³/s Oct. 2, 3.

NOTE.--Records for the 1983 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 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2500	74000	28000	11800	25300	25900	18200	19700	78900	92500	21600	6180
2	2000	74000	27000	11400	25600	24000	18000	20000	78900	91900	20900	6180
3	2000	75000	27000	11200	25900	23100	18200	20000	76100	91300	19700	6030
4	2300	75000	25000	10200	29800	23400	19100	18200	75600	88400	19100	6030
5	2400	91000	25000	9430	46000	28500	19100	15900	76100	82800	17400	5900
6	2800	94000	25000	9430	52900	33500	19100	14200	78900	79400	16800	5630
7	3500	96000	28000	9430	57900	35700	19700	13300	81100	80000	21600	5630
8	4100	96000	31000	8660	60700	35700	20900	13300	81700	81100	26200	5630
9	4800	93000	32000	8660	62200	34200	23100	12700	82200	81100	26500	4860
10	5600	91000	30000	8470	63600	32500	29500	12000	83300	79400	23100	4330
11	6100	89000	28000	8120	63100	31200	29500	10800	82800	75600	19100	3930
12	6500	89000	24000	8300	58400	31200	25000	9820	83300	72800	16500	5260
13	6500	87000	20000	8660	56600	30500	22800	9240	84400	71100	15400	5130
14	5900	87000	18000	9040	51600	28500	19700	9240	85600	71100	14900	4600
15	4800	86000	16000	9620	48600	27800	16800	9620	86700	71700	14200	4460
16	3600	80000	14000	10200	48200	25900	15200	10000	86700	71100	13300	3930
17	2600	71000	14000	10000	48200	23400	13700	23400	87300	69100	12600	4060
18	3400	63000	13000	10800	44900	21200	13800	54300	87800	66100	11400	3440
19	6000	56000	13000	12200	41400	20000	14400	66100	88900	61200	11000	3210
20	18000	51000	12000	12900	38300	20300	14200	72800	89500	54700	11000	3320
21	41000	47000	12000	13100	35300	22200	20900	69100	91900	47500	10400	4330
22	57000	42000	13000	13500	33200	25900	29500	68700	95500	40200	9620	4460
23	66000	39000	13000	13300	32800	29800	32500	61700	95500	35300	9040	4330
24	70000	37000	13000	11200	33900	31800	34200	60300	92500	32800	9040	3810
25	71000	35000	13000	10000	34200	29800	34600	67600	89500	30500	8300	3560
26	72000	34000	13000	9240	32500	25300	32500	70100	88900	29200	7940	3320
27	73000	32000	14000	9240	29800	20300	29800	71700	89500	28500	7940	3930
28	74000	31000	14000	10200	27800	17400	26500	73900	90100	27500	7770	4200
29	73000	29000	14000	12400	---	16200	23400	76100	91900	26200	7100	4460
30	73000	28000	13000	18200	---	15700	20900	77800	91900	24300	6480	4060
31	73000	---	13000	23700	---	17100	---	78900	---	22800	6480	---
TOTAL	838400	1972000	595000	342600	1208700	808000	674800	1210520	2573000	1877200	442410	138200
MEAN	27050	65730	19190	11050	43170	26060	22490	39050	85770	60550	14270	4607
MAX	74000	96000	32000	23700	63600	35700	34600	78900	95500	92500	26500	6180
MIN	2000	28000	12000	8120	25300	15700	13700	9240	75600	22800	6480	3210
AC-FT	1663000	3911000	1180000	679500	2397000	1603000	1338000	2401000	5104000	3723000	877500	274100
CAL YR 1981	TOTAL	8371000	MEAN	22930	MAX	96000	MIN	2000	AC-FT	16600000		
WTR YR 1982	TOTAL	12680830	MEAN	34740	MAX	96000	MIN	2000	AC-FT	25150000		

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.30	20.13	7.70	3.70	8.60	8.80	6.30	6.80	21.40	23.80	7.40	.60
2	-.55	20.28	7.50	3.50	8.70	8.20	6.20	6.90	21.30	23.70	7.20	.60
3	-.60	20.31	7.30	3.40	8.80	7.90	6.30	6.90	20.90	23.60	6.80	.50
4	-.40	20.45	7.05	2.90	10.00	8.00	6.60	6.30	20.80	23.10	6.60	.50
5	-.42	20.80	6.82	2.50	14.40	9.60	6.60	5.50	20.90	22.10	6.00	.40
6	-.35	21.25	6.75	2.50	16.20	11.10	6.60	4.80	21.40	21.50	5.80	.20
7	.00	21.90	7.60	2.50	17.30	11.70	6.80	4.40	21.80	21.60	7.40	.20
8	.17	22.00	9.17	2.10	17.90	11.70	7.20	4.40	21.90	21.80	8.90	.20
9	.42	21.50	9.62	2.10	18.20	11.30	7.90	4.20	22.00	21.80	9.00	-.30
10	.85	20.82	9.10	2.00	18.50	10.80	9.00	3.80	22.20	21.50	7.90	-.70
11	1.07	20.54	8.05	1.80	18.40	10.40	9.00	3.20	22.10	20.80	6.60	-1.00
12	1.27	20.45	6.85	1.90	17.80	10.40	8.50	2.70	22.20	20.30	5.70	.00
13	1.35	20.15	5.85	2.10	17.00	10.20	7.80	2.40	22.40	20.00	5.30	-.10
14	1.10	20.02	5.40	2.30	15.90	9.60	6.80	2.40	22.60	20.00	5.10	-.50
15	.65	20.07	4.95	2.60	15.10	9.40	5.80	2.60	22.80	20.10	4.80	-.60
16	.10	19.32	4.57	2.90	15.00	8.20	5.20	2.80	22.80	20.00	4.40	-1.00
17	-.30	17.70	4.15	2.80	15.00	8.00	4.60	8.00	22.90	19.60	4.10	-.90
18	-.25	16.25	3.77	3.20	14.10	7.30	4.70	16.50	23.00	19.00	3.50	-1.40
19	.60	15.00	3.45	3.90	13.20	6.90	4.90	19.00	23.20	18.10	3.30	-1.60
20	5.20	14.00	3.22	4.20	12.40	7.00	4.80	20.30	23.30	16.60	3.30	-1.50
21	13.25	13.05	2.90	4.30	11.60	7.60	7.20	19.60	23.70	14.80	3.00	-.70
22	16.65	12.07	3.25	4.50	11.00	8.80	9.90	18.10	24.30	12.90	2.60	-.60
23	18.45	11.14	3.75	4.40	10.90	10.00	10.80	17.80	24.30	11.60	2.30	-.70
24	19.35	10.50	3.80	3.40	11.20	10.60	11.30	18.50	23.80	10.90	2.30	-1.10
25	19.55	10.09	3.82	2.80	11.30	10.00	11.40	19.30	23.30	10.20	1.90	-1.30
26	19.70	9.70	3.86	2.40	10.80	8.60	10.80	19.80	23.20	9.80	1.70	-1.50
27	20.00	9.32	4.15	2.40	10.00	7.00	10.00	20.10	23.30	9.60	1.70	-1.00
28	20.22	8.75	4.45	2.90	9.40	6.00	9.00	20.50	23.40	9.30	1.60	-.80
29	20.10	8.32	4.40	4.00	---	5.60	8.00	20.90	23.70	8.90	1.20	-.60
30	19.98	7.95	4.10	6.30	---	5.40	7.20	21.20	23.70	8.30	.80	-.90
31	20.05	---	3.90	8.10	---	5.90	---	21.40	---	7.80	.80	---
MAX	20.22	22.00	9.62	8.10	18.50	11.70	11.40	21.40	24.30	23.80	9.00	.60
MIN	-.60	7.95	2.90	1.80	8.60	5.40	4.60	2.40	20.80	7.80	.80	-1.60

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

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

CHLORIDE: October 1974 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982 (discontinued).

COOPERATION.--Samples for daily chloride and suspended sediment are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment-discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 04600.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct. 8, 1956; minimum daily, 133 micromhos June 24, 1953.

WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 2, 8, 10, 1956; minimum daily, 3.0°C Jan. 22, 1978.

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

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

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 29.0°C July 26, 28-29, Aug. 25, 27, 30-31; minimum daily, 9.0°C Jan. 24, Feb. 3, 25.

CHLORIDE: Maximum daily, 140 mg/L July 5, Sept. 1-3; minimum daily, 10 mg/L Jan. 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 05...	0815	821	7.7	25.0	10	18	7.3	4.5	K55	1200
JAN 10...	1415	140	7.2	12.0	120	100	9.8	--	K110	1500
APR 07...	0800	299	7.2	15.5	50	110	8.6	1.4	980	4700
JUL 11...	1340	369	7.2	28.5	50	200	6.4	1.1	K44	2200

DATE	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM DIS-SOLVED (MG/L AS MG)	SODIUM DIS-SOLVED (MG/L AS NA)	POTASSIUM DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE DIS-SOLVED (MG/L AS CL)	FLUORIDE DIS-SOLVED (MG/L AS F)	SILICA DIS-SOLVED (MG/L AS SI02)
OCT 05...	260	75	17	77	3.8	193	70	100	.3	2.0
JAN 10...	43	13	2.4	9.1	2.4	32	14	11	<.1	8.3
APR 07...	84	25	5.2	24	2.3	62	29	32	.1	6.1
JUL 11...	98	29	6.2	30	3.0	67	37	45	.2	5.6

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)
OCT 05...	476	461	<.10	.09	1.4	.10	.03	.02	10	2
JAN 10...	102	79	.20	.13	.3	.29	.05	.05	<10	2
APR 07...	172	161	.28	.17	.5	.22	.04	.04	20	1
JUL 11...	231	196	.27	.11	.9	.13	.06	.04	20	1

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

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

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 05...	190	<1	<1	<1	<3	--	15	--	8
JAN 10...	48	<1	1	--	<3	5	400	19	<4
APR 07...	81	<1	<1	<1	<3	4	170	6	5
JUL 11...	150	<1	<1	<1	<3	7	62	10	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 05...	6	1.2	<10	--	<1	<1	590	<6	7
JAN 10...	11	1.1	<10	2	<1	<1	86	<6	9
APR 07...	6	.1	<10	3	<1	<1	210	<6	8
JUL 11...	17	.2	<10	2	<1	<1	220	<6	9

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 05...	<12	1.8	1.2	9.1	1.5	8.7	1.5	.18	1.2	--
APR 07...	3.9	9.9	6.7	3.4	8.6	3.3	8.2	.07	--	.20

DATE	SEDI- MENT, SUS- PENDE (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 05...	75	85
JAN 10...	268	75
APR 07...	385	72
JUL 11...	688	83

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

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.5	21.0	---	12.0	13.0	13.0			---	27.0	28.0	28.5
2	23.5	21.0	---	11.0	10.0	13.0			---	28.5	27.0	28.0
3	23.5	20.5	---	11.0	9.0	14.0			---	28.5	26.5	28.0
4	24.0	16.5	---	10.0	10.0	15.0			---	27.0	26.0	28.0
5	24.0	15.5	16.0	10.0	10.0	15.0			21.0	28.0	26.0	27.0
6	24.0	14.5	15.5	10.0	10.5	16.0			21.0	26.0	27.0	27.0
7	23.5	14.0	16.0	11.5	10.0	16.0			20.5	25.0	27.0	25.5
8	23.5	14.0	15.5	13.0	10.0	16.0			20.0	24.5	27.0	25.5
9	24.0	13.5	15.5	14.0	10.5	16.0			19.5	26.0	27.0	25.5
10	23.5	14.0	15.5	14.0	12.0	15.0			20.5	26.0	28.0	26.0
11	22.0	14.5	15.0	13.0	13.0	13.0			22.0	24.5	26.5	26.0
12	21.5	14.5	14.0	11.0	10.5	13.0			22.0	26.5	27.0	26.0
13	21.5	12.0	11.0	10.0	10.5	14.0			22.0	26.5	26.5	25.5
14	21.5	12.0	11.5	11.0	9.5	14.0			22.0	26.5	28.0	24.5
15	20.5	11.0	14.5	10.0	9.5	14.0			22.0	25.5	28.0	24.0
16	20.0	10.0	13.0	10.0	10.0	15.0			24.0	26.5	28.0	25.0
17	20.0	10.0	12.0	10.0	10.0	15.0			24.5	26.5	28.0	25.5
18	20.0	15.5	13.0	10.0	9.5	14.0			24.5	26.0	28.5	25.5
19	20.0	15.5	13.0	9.5	10.0	14.0			24.0	26.5	28.0	25.5
20	20.5	15.5	12.0	10.0	10.0	14.0			24.0	26.5	28.5	24.5
21	19.5	16.0	12.0	10.5	10.5	14.0			25.5	27.0	28.0	20.5
22	19.5	16.5	13.5	10.5	10.5	13.0			25.5	27.0	28.5	19.5
23	19.0	15.5	13.5	10.0	10.0	13.0			24.5	28.5	28.5	19.5
24	18.5	16.0	15.0	9.0	10.0	13.0			25.5	28.5	28.5	19.5
25	18.5	14.5	15.5	10.5	9.0	13.0			---	28.5	29.0	19.5
26	18.5	15.0	15.5	11.5	10.0	13.0			---	29.0	28.5	21.0
27	18.0	15.5	15.5	10.5	10.0	13.0			---	28.5	29.0	21.0
28	18.5	15.0	14.5	9.5	10.0	13.0			26.5	29.0	28.5	21.5
29	19.5	15.0	13.5	11.0	---	13.0			---	29.0	28.5	21.0
30	20.0	15.0	12.0	10.5	---	14.0			27.0	28.5	29.0	21.0
31	19.5	---	11.0	12.0	---	14.0			---	28.5	29.0	---
MEAN	21.0	15.0	14.0	11.0	10.5	14.0			23.0	27.0	28.0	24.0
MAX	24.0	21.0	16.0	14.0	13.0	16.0			27.0	29.0	29.0	28.5
MIN	18.0	10.0	11.0	9.0	9.0	13.0			19.5	24.5	26.0	19.5

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	90	---	24	31	21	54	32	36	100	76	140
2	90	87	---	14	17	18	52	39	52	120	88	140
3	98	84	---	12	20	15	50	30	56	120	88	140
4	92	78	---	18	21	22	50	50	56	110	92	130
5	100	78	26	17	22	15	49	52	30	140	92	120
6	100	80	24	14	20	18	35	50	50	84	100	110
7	100	80	18	14	20	18	37	52	46	38	120	120
8	110	90	16	21	20	19	36	64	47	30	130	110
9	110	91	15	16	18	20	42	70	49	36	110	94
10	96	100	14	13	20	20	40	69	53	45	120	100
11	90	94	16	18	17	22	36	69	64	51	120	100
12	90	100	20	14	20	84	32	68	72	43	120	99
13	69	110	26	12	16	71	27	66	74	56	110	100
14	72	100	22	14	22	100	26	68	82	64	130	100
15	78	84	18	10	17	120	30	68	80	42	110	88
16	72	79	16	16	16	23	30	67	75	41	120	81
17	76	62	18	14	18	26	36	67	66	36	120	90
18	74	50	17	14	20	20	36	65	73	41	120	89
19	86	43	18	23	19	20	41	21	56	46	110	84
20	88	40	16	20	16	14	35	20	48	40	110	82
21	86	41	20	20	19	13	34	20	70	43	100	83
22	100	40	16	18	15	17	34	20	70	51	110	94
23	99	40	20	25	16	16	50	15	81	54	120	88
24	99	37	18	30	17	14	50	20	94	58	120	110
25	94	44	20	26	21	19	52	20	---	50	100	95
26	81	60	16	25	17	16	52	18	---	54	110	81
27	84	60	14	26	18	16	48	20	---	55	110	76
28	90	62	11	26	24	20	32	30	70	66	120	76
29	94	30	14	26	---	16	32	28	---	60	110	74
30	92	34	14	26	---	18	33	38	72	64	120	84
31	94	---	12	24	---	20	---	29	---	62	110	---
MEAN	90	69	18	19	19	28	40	43	62	61	110	99
MAX	110	110	26	30	31	120	54	70	94	140	130	140
MIN	69	30	11	10	15	13	26	15	30	30	76	74

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
23...	66000	4720	840000	77
NOV				
05...	92000	4460	1100000	68
DEC				
03...	27000	991	71100	64
16...	15000	695	27000	69
30...	13000	551	19500	60
JAN				
21...	12600	403	13700	58
FEB				
04...	23600	1440	92000	56
MAR				
03...	23400	434	27400	78
17...	22600	463	28300	61
APR				
01...	18800	434	22000	90
29...	22600	292	17800	69
MAY				
13...	9860	268	7150	68
20...	97900	3830	1010000	88
27...	76100	1990	40800	83
JUN				
17...	86700	1300	304000	87
JUL				
01...	86800	987	231000	87
21...	42400	1280	147000	88
AUG				
05...	17600	866	41200	83
19...	10300	417	11700	81
SEP				
02...	7090	261	5000	84

RED RIVER BASIN

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07355500 RED RIVER AT ALEXANDRIA, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MEAN VALUES										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1	1000	823000	80000	16000	62000	36000	22000	16000	416000	232000	56000
2	1000	802000	73000	14000	68000	30000	22000	17000	394000	240000	54000
3	1000	802000	72000	13000	70000	27000	21000	17000	364000	245000	52000
4	1000	781000	63000	11000	93000	27000	23000	15000	353000	239000	49000
5	1000	1090000	65000	10000	203000	39000	22000	13000	342000	222000	42000
6	1000	1150000	66000	10000	257000	57000	22000	11000	357000	210000	41000
7	2000	1170000	83000	9000	297000	64000	24000	10000	363000	223000	64000
8	3000	1160000	102000	8000	317000	64000	25000	10000	360000	237000	84000
9	4000	1070000	110000	8000	318000	58000	29000	11000	349000	247000	81000
10	5000	1010000	99000	7000	329000	52000	47000	10000	346000	244000	62000
11	6000	956000	89000	7000	310000	49000	46000	9000	336000	236000	42000
12	7000	941000	67000	7000	258000	49000	32000	8000	326000	227000	29000
13	8000	888000	49000	7000	243000	46000	27000	7000	323000	224000	25000
14	7000	874000	41000	8000	199000	41000	20000	8000	327000	232000	24000
15	5000	842000	33000	9000	173000	41000	14000	10000	324000	248000	20000
16	3000	724000	26000	9000	162000	36000	11000	13000	315000	251000	17000
17	2000	570000	26000	9000	158000	29000	9000	73000	305000	247000	17000
18	3000	448000	22000	11000	136000	25000	9000	425000	303000	236000	12000
19	8000	353000	22000	13000	111000	23000	9000	720000	301000	211000	11000
20	66000	292000	19000	14000	94000	23000	9000	1010000	300000	180000	---
21	321000	246000	18000	14000	78000	28000	18000	802000	304000	145000	---
22	617000	196000	21000	17000	68000	39000	35000	707000	320000	108000	---
23	840000	168000	21000	15000	66000	51000	41000	510000	312000	88000	---
24	914000	150000	21000	11000	68000	59000	43000	423000	286000	83000	---
25	915000	133000	21000	9000	66000	53000	44000	471000	262000	72000	---
26	915000	124000	20000	8000	61000	38000	36000	439000	249000	71000	---
27	915000	109000	23000	8000	50000	25000	31000	408000	248000	70000	---
28	914000	101000	23000	10000	42000	19000	23000	416000	241000	73000	---
29	868000	88000	22000	15000	---	17000	18000	425000	244000	67000	---
30	846000	81000	19000	32000	---	17000	16000	432000	238000	60000	---
31	824000	---	19000	56000	---	20000	---	429000	---	58000	---
MEAN	291000	605000	46300	12700	156000	38100	24900	254000	317000	178000	
MAX	915000	1170000	110000	56000	329000	64000	47000	1010000	416000	251000	84000
MIN	1000	81000	18000	7000	42000	17000	9000	7000	238000	58000	
DAYS	31	30	31	31	28	31	30	31	30	31	19

RED RIVER BASIN

07355600 RED RIVER AT MONCLA, LA (CE 04657)

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

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

PERIOD OF RECORD.--Water years 1971, 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 08...	1130	876	7.7	26.0	15	15	<1.0	8.5	<10	2.9	K180	K40
NOV 16...	1015	693	7.5	14.0	80	100	<1.0	10.0	39	2.9	660	300
DEC 06...	1030	226	7.0	15.5	200	280	<1.0	7.0	59	3.6	7600	800
JAN 03...	1100	150	6.6	9.0	80	150	<1.0	9.6	26	--	2800	720
FEB 15...	0900	143	6.7	10.0	120	150	<1.0	13.5	17	2.5	--	150
MAR 07...	1030	170	7.1	15.5	100	150	<1.0	8.2	20	1.5	1600	--
APR 15...	0930	271	7.0	17.0	60	110	<1.0	8.3	20	1.5	2000	1200
MAY 10...	0930	320	7.0	23.0	20	45	<1.0	8.1	28	1.3	400	K28
JUN 06...	1000	368	7.3	25.0	50	130	<1.0	6.3	39	.2	460	120
JUL 15...	0915	406	7.2	29.0	30	100	<1.0	6.1	39	.7	K700	K120
AUG 08...	1030	806	7.8	31.0	10	50	<1.0	8.2	100	1.6	K150	K8
SEP 06...	1300	870	7.8	28.5	10	90	<1.0	6.4	28	2.9	K2000	K300

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 08...	250	70	18	198	74	110	29	--	<.01	<.1	.5	.14
NOV 16...	170	47	13	111	81	100	225	.17	.03	.2	.4	.08
DEC 06...	68	20	4.3	72	15	22	1140	.32	.18	.5	.5	.30
JAN 03...	52	16	2.8	40	12	11	490	.17	.13	.3	.6	.26
FEB 15...	41	12	2.6	36	13	13	346	.26	.14	.4	1.2	.16
MAR 07...	55	17	3.1	50	19	14	456	.23	.07	.3	.7	.16
APR 15...	78	23	4.9	58	39	28	112	.14	.06	.2	.6	.18
MAY 10...	100	29	7.0	79	28	31	110	--	.02	<.1	.3	.10
JUN 06...	98	29	6.3	59	40	49	157	.14	.06	.2	.8	.08
JUL 15...	110	31	6.8	70	41	51	464	.28	.12	.4	.6	.26
AUG 08...	210	57	16	130	88	120	122	--	.02	<.1	.6	.06
SEP 06...	240	64	19	169	84	120	132	--	.03	<.1	.8	.07

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

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
UCT												
08...	3	3	<10	<1	<1	<1	10	<1	6	2	11	6
NOV												
16...	4	2	<10	<1	<1	<1	10	<1	11	1	25	11
DEC												
06...	3	2	<10	<1	1	1	20	<1	25	6	92	14
JAN												
03...	3	2	<10	<1	2	2	20	<1	16	12	140	26
FEB												
15...	2	1	<10	<1	1	<1	10	<1	11	10	130	14
MAR												
07...	2	1	<10	<1	2	<1	<10	<1	9	2	84	19
APR												
15...	2	1	<10	<1	1	<1	20	<1	9	8	180	14
MAY												
10...	2	1	<10	<1	--	3	10	<1	5	2	52	13
JUN												
06...	2	1	10	<1	1	<1	30	<1	--	18	68	7
JUL												
15...	2	1	<10	<1	2	<1	20	<1	17	4	29	43
AUG												
08...	2	2	<10	<1	3	<1	10	<1	8	4	8	18
SEP												
06...	2	2	<10	1	1	<1	10	<1	13	3	8	9

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
UCT											
08...	<1	.9	.1	4	3	<1	<1	--	30	<4	--
NOV											
16...	1	<.1	<.1	10	1	<1	<1	.3	60	31	--
DEC											
06...	3	<.1	<.1	43	3	<1	<1	1.0	100	15	16
JAN											
03...	6	.1	.1	13	2	1	<1	2.0	80	33	9.6
FEB											
15...	6	.2	.3	14	5	<1	<1	.6	30	13	8.2
MAR											
07...	6	<.1	<.1	7	5	<1	<1	.9	30	13	11
APR											
15...	5	<.1	<.1	9	1	<1	<1	1.6	20	19	10
MAY											
10...	4	<.1	<.1	9	3	<1	<1	1.0	70	20	8.1
JUN											
06...	1	.3	.4	13	6	<1	<1	1.1	60	48	9.5
JUL											
15...	4	.1	.1	54	5	<1	<1	1.6	70	8	12
AUG											
08...	5	<.1	.2	3	1	<1	<1	--	20	9	6.6
SEP											
06...	2	<.1	<.1	8	6	<1	<1	--	70	15	6.4

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 08...	<.01	5	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
NOV 16...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
DEC 06...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
JAN 03...	<.01	7	4	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
FEB 15...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
MAR 07...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
APR 15...	<.01	1	1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
MAY 10...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--
JUN 06...	<.01	1	1	<.1	--	<.1	--	<.001	--	<.1	--
JUL 15...	<.01	1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1
AUG 08...	<.01	<1	3	<.1	--	<.1	--	<.001	--	<.1	--
SEP 06...	<.01	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 08...	<.001	<.1	<.001	<.1	<.001	<.1	.02	<.1	<.001	<.1	<.001
NOV 16...	<.001	--	<.001	--	<.001	--	.01	--	<.001	--	<.001
DEC 06...	<.001	--	<.001	--	<.001	--	<.01	--	.003	--	<.001
JAN 03...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	.002	<.1	<.001
FEB 15...	<.001	--	<.001	--	<.001	--	<.01	--	.003	--	<.001
MAR 07...	<.001	--	<.001	--	<.001	--	<.01	--	.003	--	<.001
APR 15...	<.001	.1	<.001	.1	<.001	.3	.01	<.1	<.001	<.1	<.001
MAY 10...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
JUN 06...	<.001	--	<.001	--	<.001	--	.01	--	.001	--	<.001
JUL 15...	<.001	.6	<.001	2.4	<.001	.5	<.01	<.1	<.001	<.1	<.001
AUG 08...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001
SEP 06...	<.001	--	<.001	--	<.001	--	.03	--	<.001	--	<.001

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ENDOSULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 08...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
NOV 16...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
DEC 06...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JAN 03...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
FEB 15...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
MAR 07...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
APR 15...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
MAY 10...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JUN 06...	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
JUL 15...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
AUG 08...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
SEP 06...	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT 08...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
NOV 16...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
DEC 06...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
JAN 03...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
FEB 15...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
MAR 07...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
APR 15...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
MAY 10...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
JUN 06...	.01	--	<.01	--	.01	--	.01	--	<.01	--	.01
JUL 15...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
AUG 08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
SEP 06...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01

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

RED RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 08...	<.1	<.1	<1	<1	<10	<.01	<.1	.01	<.01	<.01	<.01
NOV 16...	--	<.1	--	<1	--	<.01	--	.03	<.01	<.01	<.01
DEC 06...	--	<.1	--	<1	--	<.01	--	.02	<.01	<.01	<.01
JAN 03...	<.1	<.1	<1	<1	<10	<.01	<.1	--	--	--	--
FEB 15...	--	<.1	--	<1	--	<.01	--	.04	<.01	<.01	<.01
MAR 07...	--	<.1	--	<1	--	<.01	--	.02	<.01	<.01	<.01
APR 15...	<.1	<.1	<1	<1	<10	<.01	<.1	.04	<.01	<.01	<.01
MAY 10...	--	<.1	--	<1	--	<.01	--	.02	<.01	<.01	<.01
JUN 06...	--	<.1	--	<1	--	.01	--	.02	<.01	<.01	<.01
JUL 15...	<.1	<.1	<1	<1	<10	<.01	<.1	.02	<.01	<.01	<.01
AUG 08...	--	<.1	--	<1	--	<.01	--	.03	<.01	.03	<.01
SEP 06...	--	<.1	--	<1	--	<.01	--	.01	<.01	.02	<.01

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

07355601 RED RIVER NEAR SIMMESPORT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 31°08'01", long 91°43'09", in sec. 24, T.2 N., R.7 E., St. Helena Meridian, Avoyelles-Concordia Parish line, Hydrologic Unit 08040301, 8.2 mi northwest of Old River Control Structure, 11.5 mi north-northeast of Simmesport, and at mile 16.0.

DRAINAGE AREA.--93,163 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1981.

WATER TEMPERATURES: April 1978 to September 1979, October 1980 to September 1981.

COOPERATION.--Discharge records furnished by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,520 micromhos June 30, 1978; minimum daily, 104 micromhos Feb. 13-15, 1979.

WATER TEMPERATURES: Maximum daily, 35.0°C July 3, 6, 1979; minimum daily, 5.0°C Jan. 9, 14, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 21...	1045	31800	371	7.0	19.0	70	55	7.0	4.6	K20	220
DEC 16...	1100	185000	138	7.0	11.5	140	110	7.9	2.1	210	3300
FEB 24...	1030	--	117	6.4	12.5	100	95	8.5	1.1	260	1900
APR 20...	1100	91700	154	6.2	17.0	80	80	7.8	3.3	K10	K3200
JUN 24...	1100	147000	177	6.7	24.0	70	27	3.4	1.8	K40	K650
AUG 11...	1300	20300	677	7.5	31.0	10	30	6.3	2.7	K28	1400

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 21...	88	24	6.7	34	4.7	73	25	47	.1	6.2
DEC 16...	44	13	2.7	10	2.7	36	8.8	12	<.1	6.4
FEB 24...	32	9.3	2.0	9.3	1.9	23	11	14	<.1	5.5
APR 20...	39	11	2.7	14	2.1	26	14	20	<.1	5.6
JUN 24...	47	13	3.5	15	2.6	33	15	22	.1	5.0
AUG 11...	170	45	13	68	3.1	105	62	110	.2	3.3

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 21...	221	192	.29	.12	.7	.15	.10	.07	30	3
DEC 16...	97	78	.17	.11	1.0	.15	.05	.04	--	--
FEB 24...	78	67	.17	.15	.5	.12	.11	.05	80	1
APR 20...	110	85	.18	.14	.8	.17	.05	.04	60	1
JUN 24...	125	96	.12	.12	.8	.13	--	.06	--	--
AUG 11...	382	368	<.10	.03	.7	.07	.03	.02	10	2

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

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

RED RIVER BASIN

07355601 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 21...	99	<1	<1	--	<3	7	96	1	5
FER 24...	43	<1	<1	<1	<3	60	160	2	<4
APR 20...	53	1	1	<1	3	7	330	4	4
AUG 11...	170	<1	<1	<1	<3	10	16	3	11

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 21...	7	<.1	<10	3	<1	<1	210	<6	8
FER 24...	31	.1	<10	1	<1	<1	79	<6	<3
APR 20...	15	.1	10	5	<1	<1	110	6	13
AUG 11...	16	.1	<10	1	<1	2	420	--	25

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

RED RIVER BASIN

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07355650 LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°56'10", in SW1/4 sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi west of Argo, 4.2 mi upstream from mouth of Larto Bayou, and 7.7 mi northwest of Acme.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--December 1968 to September 1976 (gage heights only), October 1976 to September 1977 and December 1978 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 33.00 ft higher.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam consists of a 57-ft concrete spillway and a 10-ft wide timber gate. The crest of the dam is at an elevation of 45.45 ft, and the invert of the spillway is at 36.95 ft. The capacity at elevation of 36.95 ft is estimated to be 15,000 acre-ft. Outflow between elevation of 30.95 ft and 36.95 ft is regulated by the timber gate. Lake is used for recreation. No elevations recorded below 34.05 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 59.26 ft present datum, from floodmark, occurred during period May 14-18, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 52.17 ft May 30; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	43.12	43.22	37.80	41.40	52.09	39.34	35.68	34.87
2	---	---	---	---	43.26	42.98	37.75	41.44	51.99	38.98	35.70	34.84
3	---	---	---	---	43.25	42.70	37.61	41.44	51.83	38.71	35.78	34.82
4	---	---	---	---	43.03	42.33	37.50	41.32	51.66	38.43	35.88	34.79
5	---	---	---	---	42.77	42.38	37.42	41.20	51.47	38.23	35.86	34.76
6	---	---	---	---	42.74	42.40	38.88	41.01	51.39	38.06	35.80	34.73
7	---	---	---	---	42.84	42.38	39.97	40.82	51.28	37.87	35.72	34.68
8	---	---	---	52.02	42.98	42.29	40.22	40.65	51.02	37.72	35.66	34.72
9	---	---	---	51.94	43.09	42.20	39.94	40.46	50.74	37.59	35.64	34.71
10	---	---	---	51.80	43.26	42.10	39.55	40.44	50.47	37.47	35.61	34.69
11	---	---	---	51.65	43.48	42.05	39.21	40.64	50.17	37.36	35.57	34.69
12	---	---	---	51.54	43.77	41.90	38.87	40.74	49.87	37.27	35.52	34.77
13	---	---	---	51.35	44.02	41.69	38.61	40.84	49.51	37.18	35.47	34.78
14	---	---	---	51.19	44.13	41.44	39.07	40.95	49.11	37.08	35.45	34.73
15	---	---	43.44	51.03	44.23	41.16	39.14	41.03	48.70	37.01	35.37	34.70
16	---	---	43.91	50.74	44.31	40.91	39.16	41.73	48.29	36.92	35.29	34.68
17	---	---	44.43	50.38	44.32	40.61	39.19	42.28	47.82	36.84	35.23	34.65
18	---	---	44.89	49.98	44.23	40.26	39.18	42.79	47.32	36.76	35.17	---
19	---	---	45.22	49.51	44.00	39.91	39.20	43.46	46.75	36.68	35.12	---
20	---	---	45.42	49.17	43.72	39.59	39.41	44.39	46.13	36.60	35.06	---
21	---	34.09	45.62	48.68	43.40	39.29	39.62	45.99	45.47	36.52	35.01	---
22	---	34.19	45.80	48.08	43.37	38.93	39.82	47.63	44.83	36.44	34.98	---
23	---	34.21	45.88	47.43	43.31	38.68	40.12	48.92	44.30	36.35	34.98	---
24	---	34.83	45.86	46.75	43.32	38.81	40.36	49.95	43.75	36.27	34.94	---
25	---	34.97	45.79	46.10	43.29	38.77	40.52	50.71	43.11	36.18	34.94	---
26	---	35.06	---	45.49	43.26	38.58	40.85	51.27	42.36	36.11	34.93	---
27	---	35.14	---	45.00	43.34	38.61	41.20	51.73	41.64	36.03	34.92	---
28	---	---	---	44.50	43.37	38.45	41.31	51.99	40.94	35.96	34.90	34.66
29	---	---	---	44.07	---	38.26	41.34	52.10	40.28	35.89	34.88	34.65
30	---	---	---	43.68	---	38.11	41.38	52.17	39.76	35.82	34.87	34.64
31	---	---	---	43.23	---	37.98	---	52.17	---	35.77	34.85	---
MAX	---	---	---	---	44.32	43.22	41.38	52.17	52.09	39.34	35.88	34.87
MIN	---	---	---	43.23	42.74	37.98	37.42	40.44	39.76	35.77	34.85	---

NOTE.--No elevation record Oct. 3 to Nov. 12, Nov. 28 to Dec. 14, Dec. 26 to Jan. 7, Sept. 18-27.

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE1/4NE1/4 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft below lock and dam No. 6, 1.6 mi north of Arkansas-Louisiana State line, 3.5 mi downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi².

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

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

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

REMARKS.--Records fair. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 40.13 ft Jan. 6, 7; minimum daily discharge, 605 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	605	1540							---	11500	2770	1150
2	689	1930							---	11900	2060	1130
3	1160	1900							---	12500	1570	1160
4	1610	1900							---	12900	1690	1210
5	1260	2840							---	13200	1590	1290
6	1130	3570							---	13600	1630	1350
7	1660	2880							---	14100	1560	1420
8	2460	1940							---	14500	1650	1390
9	2640	1590							---	14800	1640	1350
10	2710	1470							---	---	1710	1270
11	1960	1830							---	---	1690	1820
12	1720	1790							---	---	1640	2370
13	2310	1720							---	---	1600	2390
14	1880	1750							---	---	1560	1640
15	1600	1740							---	---	1510	1110
16	1330	1730							---	---	1470	1120
17	1330	2100							---	---	1440	1160
18	1290	3080							---	---	1460	1110
19	1380	2880							---	---	1390	1040
20	1190	4640							---	14000	1380	1060
21	1150	6400							---	12300	1360	907
22	1120	8760							---	9740	1360	881
23	1290	10800							---	9200	1420	851
24	1590	11700							---	8710	1460	869
25	1560	11600							---	7770	1460	865
26	1530	11800							---	7100	1470	843
27	1380	12000							---	6830	1460	821
28	1280	12200							---	6460	1480	814
29	1630	12500							---	5750	1410	788
30	1760	13000							11600	4330	1330	794
31	1510	---							---	3620	1240	---
TOTAL	47714	155580							---	---	48460	35973
MEAN	1539	5186							---	---	1563	1199
MAX	2710	13000							---	---	2770	2390
MIN	605	1470							11600	3620	1240	788

RED RIVER BASIN

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07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.03	8.40	19.01	38.49	32.80	32.20	24.57	21.10	29.72	18.35	9.54	8.14
2	8.08	8.82	19.37	39.03	32.57	32.05	24.16	21.15	29.79	18.20	8.87	8.12
3	8.61	8.78	19.82	39.45	32.41	31.86	23.74	21.19	29.79	18.25	8.37	8.16
4	9.02	8.77	20.76	39.79	32.26	31.65	23.33	21.16	29.73	18.27	8.46	8.24
5	8.62	9.62	21.43	40.01	32.29	31.63	22.98	21.15	29.62	18.29	8.39	8.34
6	8.47	10.29	22.17	40.10	32.46	31.55	22.70	21.17	29.32	18.38	8.45	8.43
7	9.00	9.68	22.40	40.11	32.55	31.46	22.51	21.24	28.96	18.53	8.38	8.51
8	9.79	8.76	22.70	40.02	32.63	31.34	22.43	21.33	28.57	18.71	8.48	8.47
9	9.92	8.42	22.94	39.86	32.81	31.22	22.43	21.41	28.19	18.90	8.47	8.43
10	9.97	8.26	23.23	39.67	33.16	31.11	22.48	21.49	27.82	19.10	8.55	8.38
11	9.22	8.67	23.82	39.44	33.40	31.03	22.53	21.54	27.47	19.30	8.54	8.93
12	9.06	8.62	24.71	39.16	33.57	30.97	22.56	21.56	27.11	19.48	8.52	9.49
13	9.71	8.52	25.82	38.90	33.67	30.89	22.55	21.54	26.75	19.65	8.48	9.52
14	9.35	8.58	27.02	38.63	33.75	30.79	22.45	21.47	26.37	19.79	8.42	8.76
15	9.00	8.54	28.44	38.28	33.79	30.64	22.27	21.42	25.96	19.89	8.36	8.22
16	8.76	8.53	29.65	37.95	33.81	30.43	22.09	21.38	25.51	19.93	8.35	8.27
17	8.41	8.91	30.62	37.63	33.79	30.20	21.94	21.36	25.04	19.88	8.35	8.33
18	8.38	9.85	31.39	37.27	33.73	29.92	21.80	21.40	24.64	19.75	8.37	8.28
19	8.44	9.71	32.00	36.94	33.62	29.63	21.64	21.58	24.15	19.39	8.32	8.19
20	8.11	11.25	32.60	36.63	33.45	29.32	21.44	21.88	23.65	18.64	8.32	8.23
21	8.07	12.62	32.83	36.32	33.27	28.96	21.16	22.37	23.14	17.61	8.28	8.04
22	8.02	14.33	33.21	35.99	33.24	28.59	20.84	23.05	22.66	15.89	8.29	8.02
23	8.19	15.80	33.41	35.67	33.13	28.22	20.58	23.91	22.24	15.27	8.36	8.00
24	8.52	16.64	33.57	35.34	32.99	27.88	20.36	24.80	21.76	14.75	8.41	8.04
25	8.47	16.72	33.71	35.02	32.79	27.51	20.26	25.67	21.36	13.99	8.43	8.05
26	8.43	16.96	34.24	34.67	32.61	27.14	20.32	26.58	20.94	13.36	8.44	8.04
27	8.31	17.32	35.07	34.31	32.46	26.77	20.46	27.46	20.52	13.04	8.45	8.03
28	8.17	17.76	36.00	33.94	32.34	26.38	20.64	28.23	19.92	12.69	8.49	8.01
29	8.56	18.13	36.70	33.62	---	25.95	20.82	28.84	19.47	12.13	8.40	7.96
30	8.65	18.55	37.30	33.28	---	25.49	20.98	29.26	18.87	10.96	8.33	7.96
31	8.38	---	37.90	32.93	---	25.02	---	29.54	---	10.31	8.23	---
MAX	9.97	18.55	37.90	40.11	33.81	32.20	24.57	29.54	29.79	19.93	9.54	9.52
MIN	8.02	8.26	19.01	32.93	32.26	25.02	20.26	21.10	18.87	10.31	8.23	7.96

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE1/4SW1/4 sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi downstream from Arkansas-Louisiana State line, and 1.6 mi northwest of Jones.

DRAINAGE AREA.--1,187 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and reenters the basin 5 mi downstream by way of Overflow Creek. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 1,269 ft³/s, 919,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,710 ft³/s Jan. 2, 1983; maximum gage height, 28.45 ft Jan. 5, 1983; minimum discharge, 27 ft³/s Aug. 31, 1983, gage height, 0.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,710 ft³/s Jan. 2; maximum gage height, 28.45 ft Jan. 5; minimum discharge, 27 ft³/s Aug. 31, gage height, 0.45 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	309	1310	6670	3550	3800	1480	1750	3720	260	50	34
2	101	268	1620	6690	3440	3660	1360	1650	3680	214	45	43
3	96	228	1890	6660	3270	3490	1220	1620	3620	188	44	45
4	91	190	2390	6640	3140	3120	1100	1550	3630	172	39	47
5	87	162	2810	6620	3120	3220	982	1500	3600	163	34	45
6	83	141	3130	6610	3250	3200	914	1460	3560	162	34	44
7	172	124	3270	6610	3280	3060	904	1440	3510	153	31	42
8	283	111	3380	6600	3320	3120	962	1450	3450	153	36	41
9	311	100	3550	6600	3300	3290	1010	1460	3370	164	44	40
10	408	92	3660	6590	3670	3440	1050	1480	3280	179	47	32
11	470	85	3860	6590	3900	3550	1120	1510	3200	189	52	28
12	575	80	4030	6620	4200	3610	1210	1530	3110	183	49	29
13	720	75	4080	6580	4560	3580	1320	1540	2990	177	51	33
14	655	71	4120	6540	4800	3200	1420	1540	2890	168	61	33
15	566	67	4270	6520	4940	3030	1510	1570	2780	147	68	34
16	507	64	4470	6480	5010	2920	1600	1580	2650	135	68	35
17	479	73	4610	6380	5020	2800	1700	1610	2510	129	71	36
18	471	85	4730	6320	4990	2680	1800	1660	2370	123	76	38
19	490	96	4860	6220	4920	2560	1890	1810	2210	110	74	48
20	488	150	4970	6120	4800	2480	1950	2000	2030	95	63	56
21	489	193	5030	5980	4610	2400	1990	2300	1870	89	55	61
22	495	204	5040	5800	4600	2310	2020	2580	1650	93	48	59
23	499	241	5060	5610	4470	2230	2040	2860	1420	89	44	59
24	489	317	5050	5400	4320	2180	2030	3160	1190	86	41	61
25	486	370	5090	5180	4240	2110	2010	3410	976	77	37	71
26	488	407	5680	4990	4150	2040	1990	3570	811	73	40	83
27	476	518	5990	4750	4030	1960	1970	3660	654	76	38	94
28	452	770	6270	4530	3950	1900	1930	3720	505	71	36	102
29	426	875	6450	4220	---	1820	1890	3760	401	67	34	109
30	389	993	6590	3950	---	1730	1830	3770	325	68	30	119
31	350	---	6670	3680	---	1610	---	3780	---	63	27	---
TOTAL	12197	7459	133930	184750	114850	86100	46202	68280	71962	4116	1467	1601
MEAN	393	249	4320	5960	4102	2777	1540	2203	2399	133	47.3	53.4
MAX	720	993	6670	6690	5020	3800	2040	3780	3720	260	76	119
MIN	83	64	1310	3680	3120	1610	904	1440	325	63	27	28
AC-FT	24190	14790	265700	366500	227800	170800	91640	135400	142700	8160	2910	3180
CAL YR 1982	TOTAL	352076	MEAN	965	MAX	6670	MIN	52	AC-FT	698300		
WTR YR 1983	TOTAL	732914	MEAN	2008	MAX	6690	MIN	27	AC-FT	1454000		

RED RIVER BASIN

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07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.84	4.69	13.15	28.23	21.62	20.96	12.23	12.93	20.43	4.16	1.05	.68
2	1.77	4.24	14.85	28.33	21.06	20.51	11.69	12.61	20.27	3.65	.93	.95
3	1.69	3.78	15.73	28.40	20.50	20.01	11.07	12.50	20.10	3.31	.93	1.00
4	1.58	3.31	17.23	28.43	20.02	19.52	10.44	12.26	20.02	3.11	.85	1.03
5	1.52	2.92	18.12	28.44	20.10	19.74	9.84	12.01	19.94	2.98	.70	.99
6	1.45	2.57	18.90	28.44	20.55	19.70	9.48	11.81	19.81	2.96	.69	.96
7	2.93	2.26	19.60	28.43	20.61	19.64	9.49	11.70	19.65	2.81	.57	.91
8	4.40	2.01	20.11	28.43	20.70	19.73	9.87	11.69	19.48	2.83	.73	.87
9	4.69	1.80	20.41	28.42	21.05	19.84	10.06	11.70	19.27	2.99	.97	.86
10	5.65	1.63	20.58	28.37	21.95	19.88	10.23	11.79	19.03	3.20	1.05	.64
11	6.19	1.49	21.20	28.31	22.56	19.81	10.47	11.93	18.75	3.33	1.17	.49
12	6.94	1.39	21.63	28.24	23.25	19.65	10.87	12.00	18.43	3.26	1.10	.54
13	7.90	1.30	21.80	28.16	23.79	19.39	11.32	12.04	18.05	3.17	1.14	.66
14	7.49	1.20	22.03	28.06	24.06	19.00	11.70	12.04	17.63	3.05	1.38	.67
15	6.91	1.13	22.61	27.95	24.19	18.56	12.02	12.13	17.14	2.72	1.55	.70
16	6.48	1.07	23.03	27.81	24.20	18.06	12.34	12.26	16.63	2.50	1.55	.72
17	6.27	1.25	23.32	27.65	24.11	17.56	12.67	12.31	16.08	2.40	1.61	.75
18	6.20	1.48	23.62	27.47	23.95	17.04	12.98	12.51	15.50	2.30	1.71	.80
19	6.35	1.70	23.83	27.26	23.72	16.53	13.31	13.10	14.87	2.05	1.66	1.02
20	6.34	2.70	23.95	27.08	23.43	16.09	13.58	14.21	14.20	1.74	1.44	1.21
21	6.35	3.35	24.00	26.85	23.17	15.69	13.76	15.68	13.46	1.62	1.25	1.28
22	6.39	3.50	23.99	26.55	23.18	15.32	13.93	17.33	12.67	1.69	1.06	1.19
23	6.43	3.94	23.95	26.22	22.92	15.15	14.02	18.61	11.80	1.64	.97	1.15
24	6.35	4.77	23.89	25.86	22.64	15.12	14.02	19.73	10.79	1.60	.89	1.18
25	6.32	5.30	24.09	25.47	22.36	14.87	13.97	20.35	9.88	1.45	.76	1.34
26	6.34	5.72	25.58	25.04	22.05	14.59	13.91	20.69	8.85	1.40	.85	1.55
27	6.24	6.93	26.64	24.56	21.73	14.31	13.82	20.85	7.74	1.49	.81	1.73
28	6.04	9.04	27.31	24.00	21.38	13.96	13.69	20.88	6.62	1.43	.77	1.85
29	5.81	9.72	27.66	23.35	---	13.60	13.49	20.83	5.64	1.37	.68	1.97
30	5.48	10.50	27.90	22.65	---	13.19	13.23	20.72	4.85	1.40	.55	2.11
31	5.10	---	28.08	21.92	---	12.74	---	20.58	---	1.32	.47	---
MAX	7.90	10.50	28.08	28.44	24.20	20.96	14.02	20.88	20.43	4.16	1.71	2.11
MIN	1.45	1.07	13.15	21.92	20.02	12.74	9.48	11.69	4.85	1.32	.47	.49

RED RIVER BASIN

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

				SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)			
	DATE		TIME										
	OCT 07...		0930	199	6.7	23.5	50	65	7.7	4.0			
	JAN 05...		1000	36	5.6	7.5	100	30	9.2	1.8			
	APR 13...		0930	58	6.0	15.5	80	45	7.9	1.2			
	JUL 13...		0930	140	6.6	28.0	60	50	5.3	1.4			
	DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)			
	OCT 07...	K3600	K110000	69	17	6.4	16	5.3	63	4.0			
	JAN 05...	40	--	12	2.8	1.1	1.7	1.9	10	3.0			
	APR 13...	48	540	17	4.4	1.5	3.7	1.8	12	6.6			
	JUL 13...	51	320	46	12	4.0	8.4	3.1	49	9.1			
	DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)				
	OCT 07...	29	.1	5.5	--	121	.1	.9	.35				
	JAN 05...	2.2	<.1	4.5	48	23	.1	.5	.26				
	APR 13...	3.2	<.1	5.4	55	34	.2	.6	.19				
	JUL 13...	7.7	.2	14	101	88	.5	.6	.33				
	DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	
	OCT 07...	1	3	<1	<1	2	<1	3	5	64	5500	3	20
	DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
	OCT 07...	190	88	1.2	<.01	6	23	<.01	13	<.1	<1	<.1	<1

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

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

RED RIVER BASIN

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07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<.01	<.1	<.1	<1	.01	1.2	<.01	<.1	.01	<.1	.01	<.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 07...	.01	.2	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<.01	<.1	.02	<.1	<.01	<.1	.29	.3	.30	<.1	<.01	<.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOT. TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 07...	<.01	<.1	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	.08

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

RED RIVER BASIN

07364203 BAYOU BARTHOLOMEW NORTHWEST OF JONES, LA

LOCATION.--Lat 32°58'55", long 91°42'00", in SE1/4 NE1/4 sec.13, T.23 N., R.7 E., Morehouse Parish, Hydrologic Unit 08040205, right bank on right bank 0.3 mi upstream from Overflow Creek, 1.3 mi south of Arkansas-Louisiana State line, 3.2 mi northwest of Jones, and 4.0 mi downstream from gaging station Bayou Bartholomew near Jones (station 07364200).

DRAINAGE AREA.--1,190 mi², approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from October 1959 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft (from topographic map). Period Dec. 7, 1966, to Sept. 30, 1976, at datum 1.00 ft lower.

REMARKS.--Large diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes station Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (07368000). Other flow bypasses station and reenters the basin 1 mi downstream by way of Overflow Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, not determined, occurred during period of no gage-height record in 1974. Maximum gage height since 1974, 26.49 ft Jan. 6, 1983; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1959 (except possibly in 1974), 26.15 ft, present datum, Apr. 21, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.49 ft Jan 6; minimum, -0.89 ft Sept. 11, 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	2.90	11.35	26.16	19.98	18.88	10.31	10.81	18.25	2.59	.11	-.66
2	.06	2.44	12.97	26.28	19.36	18.42	9.78	10.49	18.08	2.06	.11	-.41
3	-.01	1.99	13.85	26.37	18.81	17.91	9.19	10.40	17.91	1.71	.11	-.41
4	-.08	1.55	15.28	26.43	18.30	17.66	8.58	10.17	17.80	1.48	.11	-.40
5	-.14	1.16	16.09	26.45	18.43	17.86	8.00	9.92	17.72	1.32	.11	-.45
6	-.20	.85	16.82	26.46	18.88	17.82	7.68	9.72	17.58	1.28	.11	-.48
7	1.23	.56	17.61	26.44	18.93	17.89	7.73	9.59	17.43	1.15	.11	-.53
8	2.84	.31	18.18	26.45	19.01	17.94	8.12	9.54	17.24	1.11	.11	-.54
9	3.04	.11	18.40	26.43	19.46	17.91	8.27	9.54	17.06	1.25	.11	-.54
10	3.83	-.04	18.53	26.38	20.30	17.80	8.39	9.61	16.83	1.39	.11	-.71
11	4.26	-.17	19.15	26.31	20.89	17.60	8.48	9.76	16.55	1.46	.11	-.85
12	5.14	-.27	19.57	26.21	21.54	17.31	8.92	9.82	16.22	1.46	.11	-.87
13	6.22	-.39	19.74	26.13	21.95	17.04	9.32	9.86	15.85	1.46	.11	-.77
14	5.81	-.48	20.01	26.03	22.13	16.94	9.65	9.86	15.42	1.44	.11	-.74
15	5.18	-.55	20.66	25.91	22.19	16.50	9.91	9.94	14.93	1.20	.11	-.72
16	4.71	-.60	21.05	25.76	22.15	15.95	10.19	10.09	14.43	.96	.11	-.72
17	4.44	-.48	21.32	25.62	22.02	15.44	10.48	10.12	13.88	.83	.08	-.71
18	4.35	-.16	21.61	25.44	21.84	14.93	10.77	10.30	13.30	.72	.11	-.68
19	4.53	.02	21.78	25.22	21.60	14.42	11.07	10.93	12.70	.54	.11	-.53
20	4.42	.97	21.85	25.06	21.31	13.95	11.34	12.12	12.05	.26	-.05	-.28
21	4.39	1.51	21.87	24.86	21.11	13.52	11.53	13.65	11.34	.12	-.21	-.15
22	4.41	1.57	21.85	24.59	21.13	13.16	11.70	15.44	10.61	.11	-.36	-.26
23	4.42	1.93	21.79	24.30	20.90	13.05	11.79	16.76	9.80	.11	-.47	-.33
24	4.27	2.80	21.72	23.99	20.65	13.09	11.81	17.91	8.86	.11	-.55	-.33
25	4.27	3.21	21.96	23.65	20.35	12.86	11.77	18.46	8.10	.11	-.66	-.23
26	4.33	3.59	23.46	23.23	20.02	12.59	11.73	18.76	7.10	.11	-.60	-.15
27	4.26	4.91	24.59	22.80	19.69	12.33	11.65	18.87	6.03	.11	-.59	.10
28	4.10	7.12	25.26	22.24	19.30	11.98	11.53	18.85	4.96	.11	-.63	.22
29	3.90	7.68	25.58	21.66	---	11.63	11.35	18.75	4.03	.11	-.72	.32
30	3.61	8.40	25.80	20.97	---	11.23	11.09	18.59	3.25	.11	-.82	.43
31	3.26	---	25.98	20.26	---	10.79	---	18.40	---	.11	-.91	---
MAX	6.22	8.40	25.98	26.46	22.19	18.88	11.81	18.87	18.25	2.59	.11	.43
MIN	-.20	-.60	11.35	20.26	18.30	10.79	7.68	9.54	3.25	.11	-.91	-.87

RED RIVER BASIN

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07364535 OUACHITA RIVER AT STERLINGTON, LA

LOCATION.--Lat 32°41'46", long 92°05'12", in NW1/4NW1/4 sec.29, T.20 N., R.4 E., Ouachita - Union Parish line, Hydrologic Unit 08040202, on downstream side of bridge on State Highway 2, at Sterlington.

DRAINAGE AREA.--12,953 mi².

PERIOD OF RECORD.--October 1979 to current year (elevations only). Gage-height records since September 25, 1972, in Corps of Engineers files.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1969, nonrecording gage at same site and datum.

REMARKS.--Considerable regulation by five reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 82.36 ft Jan. 7, 1983; minimum, 52.42 ft July 27, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since September 1972, 85.65 ft May 7, 1973 (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 82.36 ft Jan. 7; minimum, 52.47 ft Sept. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.63	52.71	59.44	81.49	75.56	75.03	66.60	60.62	71.50	59.72	53.05	52.63
2	52.64	52.85	60.01	81.75	75.35	74.82	66.10	60.72	71.38	59.09	52.90	52.61
3	52.79	52.82	60.62	81.97	75.19	74.57	65.59	60.92	71.18	58.60	52.74	52.62
4	52.81	52.82	61.58	82.14	75.27	74.32	65.08	61.03	70.90	58.21	52.79	52.67
5	52.71	52.96	62.19	82.26	75.50	74.35	64.62	61.05	71.48	57.92	52.73	52.71
6	52.74	53.19	62.67	82.33	75.63	74.23	64.25	61.02	71.35	57.70	52.76	52.77
7	52.85	53.04	63.08	82.35	75.71	74.12	64.00	60.99	71.05	57.54	52.72	52.81
8	53.10	52.74	63.43	82.34	75.90	74.01	63.95	61.05	70.80	57.45	52.76	52.73
9	53.14	52.72	63.75	82.26	76.29	73.92	63.91	61.09	70.46	57.44	52.75	52.72
10	53.19	52.63	64.06	82.13	76.57	73.81	63.88	61.15	70.12	57.45	52.78	52.73
11	53.03	52.81	64.74	81.98	76.81	73.69	63.82	61.26	69.78	57.48	52.79	52.81
12	53.24	52.79	65.56	81.79	76.89	73.54	63.72	61.37	69.42	57.55	52.80	52.94
13	53.59	52.69	66.44	81.58	76.85	73.37	63.61	61.43	69.04	57.65	52.78	52.95
14	53.52	52.76	67.41	81.36	76.70	73.18	63.51	61.44	68.66	57.75	52.69	52.79
15	53.46	52.69	68.69	81.12	76.40	72.97	63.30	61.61	68.29	57.85	52.66	52.66
16	53.18	52.70	69.94	80.84	76.75	72.74	63.04	61.79	67.93	57.92	52.71	52.71
17	52.84	52.83	71.16	80.56	76.68	72.48	62.77	61.72	67.49	57.97	52.75	52.76
18	52.90	53.13	72.23	80.28	76.50	72.17	62.52	61.68	67.16	58.00	52.75	52.72
19	52.91	53.19	73.10	79.97	76.28	71.83	62.28	62.15	66.72	57.98	52.74	52.65
20	52.67	53.71	73.82	79.71	76.13	71.52	62.07	62.76	66.20	57.85	52.75	52.69
21	52.68	54.13	74.38	79.41	75.98	71.15	61.75	63.85	65.64	57.52	52.69	52.57
22	52.62	54.69	74.78	79.07	75.96	70.74	61.56	65.05	65.08	56.90	52.69	52.54
23	52.68	55.38	75.07	78.75	75.90	70.37	61.35	65.97	64.52	56.26	52.71	52.56
24	52.79	56.17	75.27	78.42	75.78	70.07	61.10	66.77	63.94	55.78	52.73	52.59
25	52.74	56.48	75.55	78.09	75.64	69.69	60.86	67.58	63.43	55.33	52.73	52.60
26	52.74	56.67	76.61	77.74	75.55	69.30	60.66	68.35	62.86	54.83	52.71	52.60
27	52.76	57.18	77.67	77.40	75.38	68.93	60.54	68.86	62.30	54.51	52.75	52.60
28	52.68	57.95	79.12	77.02	75.23	68.54	60.47	69.49	61.69	54.26	52.78	52.60
29	52.85	58.31	80.15	76.58	---	68.10	60.47	70.03	61.06	54.06	52.72	52.57
30	52.82	58.61	80.78	76.04	---	67.63	60.52	71.23	60.41	53.61	52.71	52.55
31	52.70	---	81.18	75.82	---	67.13	---	71.44	---	53.32	52.65	---
MAX	53.59	58.61	81.18	82.35	76.89	75.03	66.60	71.44	71.50	59.72	53.05	52.95
MIN	52.62	52.63	59.44	75.82	75.19	67.13	60.47	60.62	60.41	53.32	52.65	52.54

07364740 BAYOU DE LOUTRE NEAR FARMERVILLE, LA

LOCATION.--Lat 32°52'25", long 92°23'40", in NW1/2 sec.29, T.22 N., R.1 E., Union Parish, Hydrologic Unit 08040202, at bridge on State Highway 549 and 7.0 mi north of Farmerville.

DRAINAGE AREA.--241 mi².

PERIOD OF RECORD.--Water years 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 06...	1215	3.3	2900	6.7	21.0	30	7.0	6.0	1.0
JAN 04...	1645	431	294	5.5	6.0	50	5.0	10.5	1.9
APR 12...	1230	378	581	6.1	16.5	50	5.0	7.4	1.4
JUL 12...	1130	9.7	2210	6.6	25.5	20	2.0	4.6	--

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 06...	44	1400	270	77	18	470	6.9	42	40
JAN 04...	K52	--	34	9.4	2.5	40	1.7	5	7.8
APR 12...	K38	140	56	16	4.0	84	2.3	8	10
JUL 12...	K10	3300	180	51	12	320	4.6	29	12

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 06...	880	.2	4.0	1720	1520	<.1	.7	.03
JAN 04...	72	<.1	8.6	176	145	.1	.4	.05
APR 12...	160	<.1	8.4	358	290	<.1	.6	.05
JUL 12...	610	.2	7.6	1330	1030	.2	.8	.06

	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	
DATE												
OCT 06...	1	<1	<1	<1	3	<1	<1	1	60	2800	1	10

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	270	450	1.0	<.01	10	14	<.01	9	<.1	<1	<.1	<1

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

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

07364740 BAYOU DE LOU TRE NEAR FARMERVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.1	2	<.01	.7	<.01	.2	<.01	.5	<.01	<.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 06...	<.01	<.1	<.01	12	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 06...	<.01	<.1	<.1	<1	<1	<10	<.01	<.1	.03	<.01	.35	<.01

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

RED RIVER BASIN

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft upstream from dam on Bayou D'Arbonne, and 2.0 mi northeast of Aycock.

DRAINAGE AREA.--133 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft, gage datum. capacity, 100,000 acre-ft to 9.0 ft, gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft May 5, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.38 ft Dec. 28; minimum 4.57 ft Oct. 5, 6.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.63	4.94	6.22	10.39	9.89	10.08	9.74	9.56	9.69	9.46	8.94	8.55
2	4.61	4.99	6.26	10.28	10.04	10.01	9.84	9.55	9.63	9.43	8.92	8.53
3	4.61	5.02	6.31	10.16	10.00	9.95	9.75	9.56	9.59	9.40	8.88	8.50
4	4.60	5.00	6.66	10.05	9.93	9.87	9.71	9.52	9.56	9.35	8.88	8.49
5	4.59	4.98	6.83	9.97	10.11	10.41	9.74	9.50	9.52	9.36	8.87	8.47
6	4.57	4.97	6.92	9.91	10.77	10.55	9.75	9.46	9.50	9.31	8.93	8.45
7	4.65	4.96	6.98	9.85	10.73	10.45	9.78	9.42	9.45	9.28	8.94	8.44
8	4.87	4.95	7.02	9.82	10.55	10.33	9.75	9.47	9.43	9.25	8.92	8.43
9	4.87	4.95	7.05	9.77	10.42	10.24	9.75	9.44	9.40	9.24	8.90	8.41
10	4.89	4.94	7.06	9.74	10.80	10.12	9.69	9.43	9.38	9.21	8.89	8.39
11	4.87	4.94	7.35	9.69	10.81	10.02	9.65	9.43	9.33	9.20	8.87	8.38
12	4.93	4.98	7.79	9.66	10.64	9.95	9.64	9.48	9.32	9.18	8.85	8.40
13	4.96	4.94	7.99	9.63	10.47	9.89	9.63	9.47	9.31	9.17	8.83	8.39
14	4.95	4.92	8.10	9.61	10.33	9.85	9.66	9.48	9.29	9.19	8.81	8.36
15	4.93	4.91	8.65	9.59	10.21	9.81	9.60	9.49	9.29	9.17	8.80	8.33
16	4.92	4.89	9.47	9.56	10.11	9.77	9.57	9.55	9.27	9.16	8.78	8.32
17	4.90	5.00	9.67	9.55	10.03	9.78	9.55	9.52	9.26	9.15	8.76	8.30
18	4.88	5.04	9.73	9.53	9.96	9.76	9.55	9.49	9.24	9.15	8.74	8.29
19	4.88	5.07	9.75	9.49	9.89	9.72	9.49	9.51	9.24	9.17	8.71	8.35
20	4.93	5.31	9.73	9.51	9.83	9.76	9.56	9.50	9.22	9.16	8.70	8.33
21	4.89	5.36	9.71	9.52	9.83	9.74	9.57	9.72	9.21	9.14	8.69	8.40
22	4.89	5.37	9.68	9.51	10.55	9.66	9.54	10.08	9.22	9.13	8.68	8.36
23	4.89	5.39	9.66	9.50	11.00	9.65	9.74	10.18	9.26	9.13	8.66	8.34
24	4.86	5.58	9.65	9.49	10.85	9.82	9.81	10.13	9.26	9.11	8.65	8.32
25	4.85	5.61	9.72	9.50	10.64	9.84	9.78	10.01	9.31	9.09	8.66	8.30
26	4.84	5.62	10.05	9.48	10.45	9.78	9.73	9.92	9.37	9.07	8.65	8.29
27	4.83	5.76	10.56	9.48	10.30	9.94	9.68	9.88	9.52	9.05	8.63	8.28
28	4.81	6.04	11.37	9.47	10.18	9.85	9.65	9.95	9.52	9.03	8.61	8.27
29	4.93	6.14	11.13	9.45	---	9.79	9.61	9.87	9.52	9.00	8.61	8.26
30	4.94	6.20	10.82	9.45	---	9.78	9.58	9.81	9.49	8.99	8.59	8.24
31	4.94	---	10.58	9.44	---	9.77	---	9.74	---	8.97	8.57	---
MAX	4.96	6.20	11.37	10.39	11.00	10.55	9.84	10.18	9.69	9.46	8.94	8.55
MIN	4.57	4.89	6.22	9.44	9.83	9.65	9.49	9.42	9.21	8.97	8.57	8.24

RED RIVER BASIN

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07364890 BAYOU D'ARBONNE NEAR HICO, LA

LOCATION.--Lat 32°42'00", long 92°44'35", on line between secs.25 and 26, T.20 N., R.4 W., Lincoln Parish, Hydrologic Unit 08040206, in center of low-water channel on the downstream side of the bridge on Parish Road 271, 3.6 mi southwest of Hico.

DRAINAGE AREA.--254 mi².

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft, from topographic map.

REMARKS.--Flow regulated by Lake Claiborne (station 07364840), 10 mi upstream. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft³/s Dec. 27, 1982, gage height, 15.74 ft; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,200 ft³/s Dec. 27, gage height, 15.74 ft; no flow Oct. 1 to Nov. 16, Aug. 2 to Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	300	1350	806	784	358	201	342	117	.05	.00
2	.00	.00	250	1110	1170	662	373	180	286	92	.00	.00
3	.00	.00	200	942	1060	577	396	172	242	71	.00	.00
4	.00	.00	408	835	757	574	345	182	213	53	.00	.00
5	.00	.00	264	702	1230	1140	355	145	187	37	.00	.00
6	.00	.00	183	600	3830	1730	376	114	167	28	.00	.00
7	.00	.00	84	534	2660	1370	442	92	164	18	.00	.00
8	.00	.00	87	488	1740	1150	417	148	133	12	.00	.00
9	.00	.00	400	456	1600	954	381	179	109	10	.00	.00
10	.00	.00	817	420	3080	794	347	119	92	8.0	.00	.00
11	.00	.00	603	382	2790	662	311	128	76	6.0	.00	.00
12	.00	.00	319	346	1810	566	281	209	62	3.9	.00	.00
13	.00	.00	656	309	1460	507	260	193	52	3.0	.00	.00
14	.00	.00	869	282	1250	458	248	155	43	2.0	.00	.00
15	.00	.00	1210	267	1050	421	237	159	36	2.0	.00	.00
16	.00	.00	1480	243	877	388	208	294	34	2.3	.00	.00
17	.00	.26	1190	227	735	370	192	290	36	2.9	.00	.00
18	.00	.47	732	213	624	367	178	201	28	2.4	.00	.00
19	.00	1.4	546	194	552	344	163	176	26	2.1	.00	.00
20	.00	1.2	504	194	499	328	174	324	24	1.7	.00	.00
21	.00	9.4	466	223	509	343	240	720	20	2.7	.00	.00
22	.00	15	410	219	1200	311	210	1210	18	2.1	.00	.00
23	.00	17	360	207	3060	317	288	1310	20	1.5	.00	.00
24	.00	52	334	195	2150	521	399	1040	38	1.1	.00	.00
25	.00	54	359	188	1660	535	388	821	68	.75	.00	.00
26	.00	34	1070	191	1360	488	364	654	153	.66	.00	.00
27	.00	73	5820	185	1140	518	326	594	317	.47	.00	.00
28	.00	200	7400	176	937	489	285	603	233	.28	.00	.00
29	.00	300	5640	164	---	438	252	559	168	.20	.00	.00
30	.00	400	2150	166	---	396	224	484	141	.15	.00	.00
31	.00	---	1680	184	---	377	---	402	---	.10	.00	---
TOTAL	.00	1157.73	36791	12192	41596	18879	9018	12058	3528	484.31	.05	.00
MEAN	.000	38.6	1187	393	1486	609	301	389	118	15.6	.002	.000
MAX	.00	400	7400	1350	3830	1730	442	1310	342	117	.05	.00
MIN	.00	.00	84	164	499	311	163	92	18	.10	.00	.00
AC-FT	.00	2300	72970	24180	82510	37450	17890	23920	7000	961	.10	.00
CAL YR 1982	TOTAL	48597.90	MEAN 133	MAX 7400	MIN .00	AC-FT 96390						
WTR YR 1983	TOTAL	135704.09	MEAN 372	MAX 7400	MIN .00	AC-FT 269200						

RED RIVER BASIN

07364890 BAYOU D'ARBONNE NEAR HICO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.04	---	11.30	8.87	8.81	5.03	3.66	4.87	2.63	.41	.12
2	.01	.17	---	10.56	10.77	7.91	5.18	3.48	4.30	2.34	.38	.12
3	.01	.30	---	9.85	10.34	7.19	5.41	3.39	3.82	2.07	.36	.12
4	.01	.28	5.53	9.18	8.63	7.12	4.90	3.50	3.49	1.85	.34	.12
5	.01	.25	4.20	8.22	10.21	10.56	5.00	3.08	3.19	1.64	.32	.12
6	.01	.23	3.39	7.39	13.67	12.05	5.21	2.73	2.91	1.49	.33	.12
7	.10	.21	2.24	6.79	13.00	11.35	5.88	2.46	2.87	1.28	.35	.12
8	.08	.19	2.27	6.34	12.07	10.69	5.62	3.10	2.49	1.09	.36	.12
9	.01	.14	5.48	6.02	11.83	9.90	5.27	3.45	2.19	.98	.34	.12
10	.01	.07	9.05	5.65	13.28	8.89	4.92	2.78	1.97	1.09	.31	.12
11	.01	.04	7.34	5.27	13.10	7.91	4.56	2.88	1.77	.98	.28	.12
12	.13	.09	4.64	4.91	12.17	7.09	4.25	3.75	1.60	.84	.26	.12
13	.08	.03	7.87	4.54	11.58	6.52	4.05	3.60	1.48	.80	.24	.12
14	.03	.03	9.40	4.27	11.02	6.04	3.92	3.19	1.35	.73	.20	.11
15	.02	.02	10.90	4.11	10.36	5.67	3.80	3.23	1.27	.73	.16	.11
16	.01	.04	11.65	3.87	9.45	5.33	3.49	4.52	1.23	.77	.13	.12
17	.01	.31	10.85	3.69	8.47	5.16	3.31	4.49	1.27	.80	.13	.12
18	.01	.37	8.45	3.55	7.59	5.12	3.16	3.69	1.14	.77	.12	.12
19	.01	.44	6.90	3.33	6.96	4.89	2.98	3.44	1.09	.77	.11	.12
20	.06	.44	6.50	3.34	6.45	4.73	3.10	4.80	1.06	.68	.10	.12
21	.01	.77	6.12	3.65	6.53	4.88	3.83	8.28	.97	.75	.10	.12
22	.01	1.01	5.55	3.61	10.44	4.57	3.51	10.90	.93	.73	.10	.12
23	.01	1.07	5.05	3.48	13.28	4.62	4.32	11.19	.98	.73	.10	.12
24	.01	1.64	4.79	3.34	12.60	6.66	5.45	10.29	1.28	.70	.10	.12
25	.01	1.67	5.04	3.27	11.95	6.79	5.33	9.07	1.66	.66	.10	.12
26	.01	1.41	9.68	3.30	11.33	6.33	5.11	7.85	2.72	.64	.11	.12
27	.01	1.91	14.24	3.23	10.66	6.64	4.76	7.33	4.62	.60	.12	.12
28	.01	---	14.95	3.13	9.81	6.35	4.38	7.42	3.90	.55	.12	.12
29	.12	---	14.43	2.99	---	5.84	4.10	7.02	3.22	.51	.12	.12
30	.07	---	12.67	3.01	---	5.42	3.85	6.30	2.91	.48	.12	.12
31	.05	---	12.00	3.20	---	5.22	---	5.47	---	.44	.12	---
MAX	.13	---	14.95	11.30	13.67	12.05	5.88	11.19	4.87	2.63	.41	.12
MIN	.01	.02	2.24	2.99	6.45	4.57	2.98	2.46	.93	.44	.10	.11

07366000 CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°53'15", long 92°39'25", in NE1/4 sec.22, T.22 N., R.3 W., Union Parish, Hydrologic Unit 68040206, at bridge on U.S. Highway 167 and 3.0 mi south of Lillie.

DRAINAGE AREA.--462 mi².

PERIOD OF RECORD.--Water years 1944, 1955-57, 1960-61, 1968-73, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
DATE	TIME								
OCT 06...	0910	E.00	193	6.1	21.5	40	5.0	2.7	1.1
JAN 04...	1435	1130	105	5.1	6.0	80	10	10.6	2.3
APR 12...	1045	407	289	5.7	16.0	15	4.0	8.4	1.1
JUL 12...	0930	17	284	5.9	26.5	40	4.0	4.0	1.1

		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
DATE										
OCT 06...	K8	330	34	10	2.3	21	2.1	26	9.0	
JAN 04...	K12	--	18	5.4	1.2	10	1.6	3	4.8	
APR 12...	K28	88	45	13	3.1	34	1.8	2	12	
JUL 12...	30	640	47	14	2.8	29	2.1	9	10	

		CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
DATE									
OCT 06...	39	<.1	10	130	109	<.1	1.4	.04	
JAN 04...	24	<.1	7.4	84	56	<.1	.4	.87	
APR 12...	77	<.1	8.6	199	150	<.1	.3	.02	
JUL 12...	71	.1	9.3	180	143	.2	.6	.05	

		ARSENIC TOTAL DIS- SOLVED (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
DATE												
OCT 06...	<1	<1	<1	<1	1	<1	4	1	280	2100	3	

		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
DATE												
OCT 06...	10	2500	220	.2	<.01	13	8	6.5	<.01	<1	<.1	

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

E Estimated.

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

RED RIVER BASIN

07366000 CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.1	<.1

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-DP TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 06...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

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

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in SE1/4NW1/4 sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi east of Lillie, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--208 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft National Geodetic Vertical Datum of 1929. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956, to May 31, 1978, water-stage recorder, at site 500 ft downstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--28 years, 186 ft³/s, 12.14 in/yr, 134,800 acre-ft/yr.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 17	1400	2730	8.91	Feb. 8	0600	1500	8.05
Dec. 28	0100	*6370	*10.72				

Minimum discharge, .06 ft³/s Sept. 18, 19, gage height, 1.35 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	18	344	660	475	200	115	73	47	17	1.5	.25
2	.67	14	325	507	765	132	205	67	41	15	2.1	.21
3	3.4	18	300	403	812	111	235	67	34	13	1.2	.16
4	.80	17	444	298	1040	145	211	88	31	11	.95	.12
5	.29	12	513	215	984	639	207	81	32	9.7	1.0	.10
6	.12	10	462	164	1340	917	256	62	52	9.1	2.9	.08
7	.88	8.9	451	134	1260	1140	289	52	56	8.4	8.0	.23
8	17	7.4	501	119	1400	955	275	61	45	7.6	11	.61
9	18	6.6	466	110	1160	647	262	67	34	6.6	10	.45
10	9.7	6.0	328	107	1360	456	242	72	27	6.1	8.6	.34
11	5.8	4.4	560	109	1010	314	191	70	21	5.5	7.0	.26
12	5.8	5.8	1010	98	948	174	125	78	18	5.0	5.2	.20
13	15	6.8	896	85	874	119	94	70	15	4.6	3.8	.15
14	14	5.8	1000	78	643	101	88	61	14	4.6	3.5	.12
15	9.3	5.1	1750	75	475	95	87	68	13	4.5	3.8	.09
16	6.4	5.0	1860	73	360	92	78	136	12	4.7	3.4	.08
17	5.0	21	2310	69	248	97	69	170	12	5.7	4.1	.07
18	4.5	69	1580	67	171	106	63	122	12	7.4	3.5	.06
19	3.7	208	889	66	135	106	59	84	11	7.8	2.6	.08
20	8.6	536	616	67	112	112	59	180	12	8.9	1.7	.13
21	24	590	459	79	131	134	61	410	11	13	1.3	4.5
22	13	387	327	85	399	115	63	845	13	12	.98	8.5
23	8.5	297	186	88	558	114	181	1130	13	9.5	1.9	6.3
24	5.8	456	125	84	645	221	376	1040	15	8.2	1.0	4.6
25	4.1	536	117	80	844	264	376	848	16	6.8	.79	4.6
26	3.3	418	606	77	663	269	417	559	23	5.4	.65	3.1
27	3.8	378	3430	73	475	297	437	356	24	4.1	.49	2.0
28	3.3	518	5540	70	343	277	301	126	27	3.4	.39	1.5
29	8.9	516	4140	68	---	227	115	94	24	2.9	.36	1.3
30	25	400	1980	67	---	183	80	72	21	2.4	.33	1.1
31	24	---	961	92	---	136	---	56	---	2.1	.29	---
TOTAL	253.22	5480.8	34476	4367	19630	8895	5617	7265	726	232.0	94.33	41.29
MEAN	8.17	183	1112	141	701	287	187	234	24.2	7.48	3.04	1.38
MAX	25	590	5540	660	1400	1140	437	1130	56	17	11	8.5
MIN	.12	4.4	117	66	112	92	59	52	11	2.1	.29	.06
CFSM	.04	.88	5.35	.68	3.37	1.38	.90	1.13	.12	.04	.02	.007
IN.	.05	.98	6.17	.78	3.51	1.59	1.00	1.30	.13	.04	.02	.01
AC-FT	502	10870	68380	8660	38940	17640	11140	14410	1440	460	187	82

CAL YR 1982 TOTAL 57871.62 MEAN 159 MAX 5540 MIN .12 CFSM .76 IN 10.35 AC-FT 114800
WTR YR 1983 TOTAL 87077.64 MEAN 239 MAX 5540 MIN .06 CFSM 1.15 IN 15.57 AC-FT 172700

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	3.63	5.96	6.86	6.35	5.21	4.67	4.11	3.89	2.89	1.85	1.53
2	2.11	3.46	5.87	6.51	7.07	4.83	5.19	3.99	3.71	2.80	1.92	1.51
3	2.50	3.65	5.76	6.18	7.14	4.69	5.35	3.99	3.50	2.69	1.79	1.49
4	2.15	3.63	6.32	5.75	7.51	4.87	5.22	4.32	3.36	2.58	1.73	1.47
5	2.00	3.47	6.53	5.38	7.42	6.78	5.20	4.22	3.41	2.51	1.74	1.46
6	1.92	3.39	6.38	5.11	7.88	7.33	5.44	3.89	4.02	2.47	2.00	1.44
7	2.17	3.34	6.34	4.93	7.79	7.65	5.60	3.62	4.12	2.42	2.38	1.52
8	3.19	3.28	6.50	4.84	7.95	7.38	5.53	3.85	3.81	2.36	2.56	1.58
9	3.29	3.25	6.39	4.77	7.66	6.83	5.47	4.01	3.47	2.30	2.52	1.53
10	2.91	3.24	5.88	4.75	7.90	6.32	5.38	4.10	3.24	2.27	2.42	1.49
11	2.69	3.15	6.58	4.77	7.46	5.73	5.12	4.05	3.06	2.23	2.31	1.46
12	2.69	3.27	7.47	4.68	7.38	5.04	4.73	4.19	2.93	2.19	2.19	1.44
13	3.13	3.34	7.29	4.54	7.26	4.70	4.50	4.06	2.81	2.16	2.08	1.42
14	3.12	3.28	7.45	4.45	6.83	4.58	4.43	3.88	2.76	2.16	2.06	1.40
15	2.89	3.23	8.23	4.40	6.41	4.52	4.42	4.00	2.69	2.15	2.09	1.38
16	2.73	3.22	8.32	4.36	5.99	4.49	4.30	4.68	2.66	2.16	2.05	1.37
17	2.64	3.67	8.63	4.31	5.49	4.54	4.16	4.89	2.65	2.24	2.11	1.36
18	2.59	4.66	8.07	4.27	5.10	4.61	4.02	4.59	2.64	2.35	2.06	1.35
19	2.53	5.38	7.27	4.24	4.88	4.62	3.93	4.27	2.62	2.37	1.97	1.37
20	2.82	6.59	6.77	4.26	4.73	4.66	3.93	4.95	2.63	2.44	1.87	1.40
21	3.54	6.71	6.37	4.46	4.83	4.81	3.99	6.11	2.59	2.69	1.81	2.02
22	3.17	6.11	5.87	4.54	6.11	4.68	4.02	7.19	2.71	2.64	1.74	2.34
23	2.97	5.75	5.23	4.57	6.63	4.66	5.01	7.64	2.71	2.49	1.89	2.19
24	2.84	6.36	4.88	4.52	6.83	5.28	6.01	7.51	2.79	2.40	1.74	2.08
25	2.75	6.59	4.82	4.47	7.21	5.49	6.00	7.21	2.86	2.31	1.69	2.08
26	2.70	6.23	6.63	4.43	6.86	5.51	6.17	6.64	3.12	2.22	1.66	1.95
27	2.76	6.08	9.17	4.37	6.39	5.65	6.25	6.00	3.14	2.12	1.61	1.84
28	2.74	6.54	10.36	4.32	5.89	5.55	5.63	4.90	3.23	2.06	1.58	1.77
29	3.13	6.53	9.69	4.28	---	5.31	4.58	4.70	3.16	2.01	1.57	1.73
30	3.84	6.17	8.38	4.26	---	5.08	4.24	4.43	3.06	1.95	1.56	1.68
31	3.84	---	7.39	4.51	---	4.81	---	4.11	---	1.91	1.54	---
MAX	3.84	6.71	10.36	6.86	7.95	7.65	6.25	7.64	4.12	2.89	2.56	2.34
MIN	1.92	3.15	4.82	4.24	4.73	4.49	3.93	3.62	2.59	1.91	1.54	1.35

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1966-70, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 06...	1015	106	6.1	22.5	50	5.0	4.7	2.0
JAN 04...	1400	149	5.0	6.0	40	5.0	10.6	1.5
APR 12...	1000	305	5.8	16.0	50	5.0	7.3	1.2
JUL 12...	0845	220	6.3	24.5	60	5.0	3.5	.9

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 06...	K12	240	25	6.8	1.9	9.6	3.3	18	3.0
JAN 04...	K44	2400	25	6.9	1.8	15	1.6	3	6.6
APR 12...	K32	K68	49	14	3.5	36	1.9	5	14
JUL 12...	92	1200	42	12	3.0	24	2.1	22	10

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 06...	23	<.1	15	75	74	<.1	2.3	.09
JAN 04...	34	<.1	12	110	80	<.1	.3	.37
APR 12...	81	<.1	14	196	167	<.1	.6	.06
JUL 12...	48	.1	17	146	129	.2	.7	.09

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS PB)	
OCT 06...	1	2	<1	<1	6	<1	3	2	4	8500	1	10

DATE	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERED (UG/L AS HG)	MERCURY RECOVERED FROM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 06...	19	320	1.0	<.01	<4	13	<.01	4	<.1	<1	<.1	<1

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

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

RED RIVER BASIN

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.1	<1	<.01	.1	<.01	<.1	<.01	.1	<.01	<.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 06...	<.01	<.1	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

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

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW1/4NW1/4 sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi southwest of Farmerville, and 5.0 mi upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² at dam, 1,470 mi² at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WRD LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft at spillway crest, 39.60 ft, gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were closed during the water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft Apr. 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 45.05 ft Dec. 28; minimum, 39.10 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.34	39.96	---	43.12	40.65	41.61	40.76	40.56	41.01	40.50	39.71	39.36
2	39.33	39.98	---	42.65	40.94	41.45	40.73	40.51	40.85	40.46	39.68	39.34
3	39.32	39.99	40.96	42.22	41.08	41.25	40.65	40.54	40.72	40.42	39.66	39.33
4	39.31	39.95	41.23	41.88	41.19	41.10	40.64	40.51	40.60	40.39	39.64	39.31
5	39.30	39.93	41.31	41.60	41.40	41.24	40.68	40.49	40.50	40.34	39.63	39.29
6	39.29	39.92	41.28	41.37	42.06	41.34	40.99	40.44	40.42	40.28	39.67	39.28
7	39.36	39.92	41.18	41.18	42.30	41.41	41.13	40.39	40.36	40.23	39.66	39.26
8	39.65	39.91	41.06	41.05	42.47	41.52	41.11	40.40	40.32	40.17	39.74	39.25
9	39.69	39.91	40.98	40.95	42.50	41.63	41.03	40.39	40.27	40.12	39.74	39.24
10	39.71	39.91	40.96	40.86	42.80	41.64	40.94	40.38	40.23	40.09	39.73	39.22
11	39.71	39.90	41.14	40.78	42.87	41.59	40.85	40.39	40.19	40.06	39.72	39.20
12	39.76	39.91	41.39	40.68	42.80	41.46	40.78	40.41	40.17	40.03	39.69	39.22
13	39.88	39.87	---	40.62	42.58	41.29	40.73	40.43	40.14	40.00	39.69	39.23
14	39.90	39.86	---	40.59	42.31	41.12	40.70	40.42	40.11	39.98	39.67	39.20
15	39.90	39.84	---	40.52	42.07	40.98	40.61	40.43	40.09	39.96	39.66	39.17
16	39.89	39.84	42.18	40.50	41.84	40.86	40.55	40.51	40.08	39.95	39.63	39.16
17	39.88	39.93	42.40	40.47	41.63	40.78	40.50	40.56	40.10	39.94	39.62	39.15
18	39.87	40.00	42.54	40.43	41.43	40.69	40.46	40.61	40.22	39.92	39.60	39.12
19	39.86	40.04	42.62	40.41	41.25	40.63	40.41	40.70	40.20	39.91	39.57	39.15
20	39.94	40.16	42.41	40.42	41.10	40.62	40.41	40.85	40.19	39.90	39.56	39.14
21	39.93	40.25	42.08	40.44	41.01	40.56	40.40	41.13	40.15	39.90	39.55	39.22
22	39.92	40.31	41.77	40.45	41.15	40.53	40.43	41.43	40.15	39.89	39.53	39.20
23	39.90	40.34	41.51	40.44	41.26	40.53	40.52	41.53	40.14	39.88	39.51	39.20
24	39.88	40.46	41.31	40.42	41.34	40.67	40.53	41.58	40.12	39.86	39.50	39.18
25	39.88	---	41.16	40.42	41.46	40.74	40.56	41.63	40.15	39.84	39.48	39.16
26	39.87	---	41.59	40.41	41.67	40.80	40.61	41.67	40.16	39.82	39.46	39.15
27	39.86	---	42.56	40.40	41.77	40.87	40.64	41.67	40.38	39.80	39.44	39.14
28	39.85	---	44.96	40.39	41.74	40.83	40.67	41.58	40.49	39.78	39.42	39.14
29	39.94	---	44.84	40.39	---	40.84	40.67	41.46	40.60	39.76	39.40	39.12
30	39.95	---	44.19	40.36	---	40.81	40.61	41.32	40.55	39.75	39.40	39.11
31	39.95	---	43.64	40.34	---	40.78	---	41.16	---	39.73	39.38	---
MAX	39.95	---	44.96	43.12	42.87	41.64	41.13	41.67	41.01	40.50	39.74	39.36
MIN	39.29	39.84	---	40.34	40.65	40.53	40.40	40.38	40.08	39.73	39.38	39.11

RED RIVER BASIN

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE1/4NE1/4 lot 43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi north of Sherrouse School at Monroe, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--Not determined.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 40.41 ft Jan. 2; minimum 28.95 ft Sept. 3.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.45	29.54	34.16	40.30	38.99	39.34	35.86	30.71	36.34	30.31	29.36	29.17
2	29.44	29.63	34.08	40.40	38.99	39.23	35.51	30.68	36.35	30.28	29.31	29.01
3	29.41	29.66	33.41	40.39	38.96	39.16	35.06	30.70	36.35	30.26	29.30	28.99
4	29.41	29.59	34.70	40.35	38.91	39.08	34.48	30.66	36.34	30.17	29.28	29.16
5	29.42	29.53	34.57	40.29	38.92	39.44	33.76	30.67	36.37	30.12	29.24	29.13
6	29.44	29.52	34.32	40.23	39.32	39.56	33.21	30.62	36.39	30.12	29.61	29.13
7	29.84	29.48	34.05	40.17	39.36	39.51	33.14	30.58	36.41	30.08	29.43	29.19
8	30.73	29.47	33.84	40.14	39.39	39.47	34.35	30.60	36.45	30.16	29.34	29.22
9	30.27	29.45	---	40.12	39.49	39.42	33.87	30.58	36.46	30.16	29.31	29.20
10	30.01	29.45	---	40.08	39.92	39.37	33.33	30.55	36.46	30.11	29.29	29.20
11	29.84	29.44	---	40.02	39.99	39.29	32.94	30.15	36.42	30.08	29.26	29.19
12	30.72	29.42	---	39.97	39.99	39.23	32.57	30.06	36.38	30.06	29.25	29.19
13	33.27	29.43	---	39.93	39.95	39.16	32.30	29.89	36.34	30.03	29.20	29.19
14	32.59	29.43	---	39.87	39.90	39.09	32.31	29.85	36.10	30.00	29.25	29.17
15	32.12	29.48	---	39.83	39.84	39.02	32.00	30.23	35.86	29.96	29.24	29.16
16	31.77	29.41	---	39.78	39.77	38.95	31.77	32.26	35.72	29.92	29.22	29.16
17	31.45	29.65	---	39.72	39.70	38.87	31.55	31.79	35.76	29.86	29.20	29.13
18	31.08	30.55	---	39.66	39.63	38.75	31.31	31.51	35.68	29.82	29.17	29.13
19	30.81	31.06	---	39.57	39.54	38.61	31.08	33.29	35.45	30.15	29.16	29.15
20	30.51	31.39	---	39.53	39.43	38.51	31.13	34.91	35.07	30.02	29.20	29.22
21	30.06	31.12	---	39.50	39.35	38.36	31.08	35.55	34.64	29.96	29.16	29.24
22	29.81	30.80	---	39.42	39.62	38.18	31.04	35.86	34.13	29.97	29.09	29.20
23	29.67	30.51	---	39.35	39.61	37.99	31.06	35.86	33.51	29.92	29.15	29.18
24	29.61	31.47	---	39.28	39.58	37.99	30.96	35.81	32.86	29.82	29.14	29.17
25	29.56	31.06	---	39.22	39.53	37.82	30.89	35.79	32.29	29.75	29.13	29.15
26	29.52	30.75	---	39.16	39.49	37.60	30.81	35.79	31.83	29.69	29.15	29.16
27	29.51	31.43	---	39.09	39.43	37.41	30.76	35.81	31.50	29.64	29.18	29.15
28	29.48	32.86	---	39.03	39.39	37.15	30.78	35.98	31.18	29.57	29.15	29.17
29	29.62	32.05	---	38.96	---	36.87	30.76	36.03	30.67	29.52	29.16	29.16
30	29.65	31.68	40.10	38.90	---	36.58	30.70	36.25	30.40	29.46	29.16	29.15
31	29.58	---	40.23	38.83	---	36.23	---	36.31	---	29.40	29.14	---
MAX	33.27	32.86	40.23	40.40	39.99	39.56	35.86	36.31	36.46	30.31	29.61	29.24
MIN	29.41	29.41	---	38.83	38.91	36.23	30.70	29.85	30.40	29.40	29.09	28.99

07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE1/4 and SE1/4 sec.25, T.14 N., R.3 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi northwest of Riverton, and 4.0 mi northwest of Columbia.

DRAINAGE AREA.--15,630 mi².

PERIOD OF RECORD.--October 1975 to current year. Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage and gage-position recorders, a broad-crested weir and four radial gates. Datum of gage is 23.91 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to October 1981 water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Records good. Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft, and a series of navigation locks and dams.

AVERAGE DISCHARGE.--8 years, 16,980 ft³/s, 12,305,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,700 ft³/s, Jan. 10, 1983, tailwater gage height, 44.82 ft, minimum daily, 1,000 ft³/s Sept. 30, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 79,700 ft³/s, Jan. 10, tailwater gage height, 44.77 ft; minimum daily, 1,000 ft³/s Sept. 30.

REVISIONS.--The maximum tailwater gage height for water year 1981 has been revised to 26.24 ft June 14, 15. This supersedes the figure published in the report for 1981.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	2220	28600	68000	59500	55100	38500	30700	50900	30000	2290	1200
2	1160	3450	30100	70000	58500	54600	37800	30600	51200	28600	2190	1180
3	1620	3430	31500	72000	57600	54100	36900	30600	51400	26700	1900	1170
4	2210	3280	33800	74000	56800	53500	36000	30700	51400	19600	1730	1170
5	1890	3520	35000	76000	51300	53800	35000	30600	51100	18900	1620	1170
6	1640	4680	36000	78800	52000	53500	34800	30500	51500	18100	1860	1170
7	2030	4900	36700	79100	53000	53200	35200	30300	51400	17200	1810	1470
8	2570	3060	37200	79400	54400	53000	35700	30200	51200	16600	1800	1490
9	2640	2280	37500	79500	57100	51900	36000	30000	50900	16800	1780	1320
10	2920	1790	37900	79500	58400	51800	36000	29900	50600	16800	1750	1360
11	2670	2140	38400	79500	58900	51700	35900	30000	50400	16800	1600	1620
12	5860	3330	39000	79200	59300	51600	35700	30200	50000	16800	1630	2090
13	9510	2130	39500	78600	59600	51200	35600	30400	49000	16900	1680	2190
14	5300	2560	39400	78200	59800	50400	36700	30500	48200	17100	1660	1890
15	3510	2540	41800	77500	59800	50500	36600	32600	47400	17300	1500	1200
16	4770	2310	42100	76600	59600	49800	36000	34500	46800	17700	1420	1180
17	2310	3290	42000	75700	59400	49100	35800	34600	46100	17800	1460	1190
18	1680	4890	45800	74900	59000	48300	35100	35100	45300	17900	1590	1520
19	2690	5640	47200	73800	58500	47400	34000	38300	44600	18200	1330	1330
20	1900	7870	47600	73100	57900	45900	33500	40700	43600	18100	1620	1220
21	1720	8940	49600	72000	57400	45000	33300	42300	42600	17200	1470	1570
22	2660	10300	50500	70700	57700	44000	32900	43200	41700	16300	1430	1200
23	2450	12600	51200	69500	57500	42000	33000	44300	40800	14700	1450	1200
24	3720	15400	51800	68300	57100	42000	32800	45400	39900	13100	1570	1150
25	3380	16100	54000	67200	56700	42400	32300	46400	39000	12000	1640	1150
26	2380	16500	56000	66000	54200	42300	32000	47100	38000	10600	1590	1150
27	2550	19600	58000	64900	55700	41900	31600	47800	37200	7100	1450	1100
28	1630	21400	60000	63400	55600	40600	31400	48700	36000	4330	1670	1100
29	3050	21800	62000	62100	---	40300	31100	49300	34300	3740	1480	1050
30	3730	22100	64000	60700	---	40000	30900	50000	32500	3250	1380	1000
31	2830	---	66000	59500	---	38700	---	50600	---	2780	1370	---
TOTAL	90390	234050	1390200	2247700	1602300	1489600	1038100	1156100	1365000	489000	50720	39800
MEAN	2916	7802	44850	72510	57230	48050	34600	37290	45500	15770	1636	1327
MAX	9510	22100	66000	79500	59800	55100	38500	50600	51500	30000	2290	2190
MIN	1160	1790	28600	59500	51300	38700	30900	29900	32500	2780	1330	1000
AC-FT	179300	464200	2757000	4458000	3178000	2955000	2059000	2293000	2707000	969900	100600	78940
CAL YR 1982 TOTAL	4677560	MEAN	12820	MAX	66000	MIN	1030	AC-FT	9278000			
WTR YR 1983 TOTAL	11192960	MEAN	30670	MAX	79500	MIN	1000	AC-FT	22200000			

RED RIVER BASIN

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

LOCATION.--Lat 32°06'28", long 92°04'27", NE1/4SE1/4 sec.17, T.13 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207 on downstream side of bridge on U.S. Highway 165 at Columbia, 2.1 mi downstream from Bayou de Chene, and 4.2 mi downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi², approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURES: October 1975 to September 1981.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.

WATER TEMPERATURES: Maximum daily, 34.0°C, on several days in July and August 1981; minimum, 2.5°C Jan. 15, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
05...	1300	1970	253	6.5	24.5	30	12	6.9	2.1	K15	610
DEC											
07...	0930	36600	100	5.4	15.5	100	40	6.6	1.6	K75	2200
FEB											
17...	0900	59500	91	5.7	9.0	60	16	8.8	1.4	K2	--
APR											
11...	1430	35900	166	6.2	16.0	60	25	6.9	.8	150	170
JUN											
06...	1330	51500	78	6.2	23.5	80	18	3.3	.7	K16	1200
AUG											
10...	1445	1750	137	6.4	31.0	60	35	--	.9	K10	92

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT										
05...	37	10	2.8	31	2.0	28	17	46	.1	6.5
DEC										
07...	20	5.2	1.6	11	2.2	10	10	15	<.1	7.4
FEB										
17...	18	4.8	1.4	8.5	1.6	8	11	14	<.1	5.7
APR										
11...	27	7.7	1.9	19	1.5	12	11	33	<.1	3.5
JUN										
06...	19	5.4	1.3	7.3	1.8	12	5.0	12	<.1	5.6
AUG										
10...	26	7.1	2.0	16	1.7	18	9.8	22	<.1	7.0

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

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

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 05...	147	132	.22	.06	.4	.40	.20	.03	1
DEC 07...	78	58	.20	.21	.7	.10	.04	.02	--
FEB 17...	63	52	.18	.10	.6	--	.08	.06	1
APR 11...	113	85	<.10	.10	.5	.08	.04	.03	1
JUN 06...	73	45	.11	.19	.5	.10	.10	.04	--
AUG 10...	95	76	<.10	.04	.6	.08	.02	.01	2

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 05...	60	<1	<1	<1	<3	--	240	--	<4
FEB 17...	37	<1	<1	<1	<3	5	260	12	<4
APR 11...	86	<1	<1	5	<3	5	630	4	<4
AUG 10...	61	<1	2	<1	<3	3	200	4	6

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 05...	40	.1	<10	--	<1	<1	220	<6	12
FEB 17...	16	.3	<10	4	<1	<1	80	<6	16
APR 11...	78	.1	<10	1	<1	<1	180	<6	6
AUG 10...	72	<.1	<10	1	<1	1	120	<6	12

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
APR 11...	<2.2	<1.1	--	2.4	<1.2	2.3	<1.2	.12	.16
AUG 10...	9.5	<2.0	6.5	3.1	1.6	3.0	1.6	.06	.06

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 05...	48	255
DEC 07...	68	6720
JUN 06...	16	2220
AUG 10...	22	104

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

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE1/4NE1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas-Louisiana State line, and 7.5 mi southwest of Kilbourne.

DRAINAGE AREA.--785 mi² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s only). October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft upstream. Prior to Oct. 1, 1978, datum 2.00 ft higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi downstream from base gage at datum 74.35 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). No gage height recorded below -0.04.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft³/s, 689,700 acre-ft/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.07 ft Dec. 29; minimum, -0.03 ft Aug. 31.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	1.95	---	25.66	13.55	---	2.56	2.77	2.84	2.72	1.49	.62
2	1.81	1.84	---	25.31	18.02	---	3.17	2.70	2.79	2.25	1.39	1.34
3	---	1.70	---	24.40	14.65	---	3.17	3.07	2.70	2.26	1.96	1.70
4	---	1.57	---	22.90	7.28	---	2.96	5.05	2.78	2.39	1.30	1.82
5	1.78	1.52	---	20.77	6.87	---	2.83	4.05	4.74	2.20	.57	1.82
6	1.76	1.49	---	17.06	20.86	---	4.33	3.28	4.25	2.12	.54	1.57
7	2.15	1.49	---	11.73	21.21	---	13.91	2.98	3.45	1.58	1.27	1.73
8	11.68	1.53	22.15	7.61	17.88	---	18.69	3.30	3.05	1.54	3.57	1.83
9	---	1.61	17.00	10.90	9.48	---	19.05	3.09	2.68	1.53	3.40	1.99
10	---	1.78	9.95	7.33	22.01	---	12.66	2.81	2.38	.41	3.08	2.08
11	11.30	1.86	15.52	5.58	22.92	---	5.15	2.69	2.18	.29	2.73	2.17
12	7.22	1.83	22.07	4.90	21.88	---	4.16	2.64	2.11	.27	1.58	2.37
13	---	1.80	22.44	4.45	16.45	---	3.52	2.56	2.07	.24	1.82	2.47
14	---	1.90	20.71	4.09	---	---	5.12	2.49	2.11	.23	1.90	2.49
15	4.23	2.07	16.53	3.79	---	2.83	4.09	2.46	2.09	.22	2.15	2.33
16	4.48	2.23	21.01	3.47	---	2.76	4.84	12.83	2.22	.21	1.95	2.21
17	3.66	2.24	20.47	3.22	---	2.77	3.67	8.86	2.33	.21	1.39	2.23
18	3.20	3.39	17.76	3.02	---	2.77	3.19	5.22	4.14	.20	1.06	2.29
19	2.82	3.79	13.14	2.82	---	2.81	2.91	13.77	3.44	3.25	.95	2.28
20	2.68	8.70	7.06	2.80	---	2.82	2.82	19.47	2.99	2.73	1.00	3.43
21	2.58	10.36	5.60	5.01	---	2.81	2.72	22.90	2.78	2.50	.96	4.72
22	2.39	8.48	5.03	4.45	---	2.79	3.17	23.42	2.69	2.22	1.15	6.00
23	2.15	6.81	4.74	3.91	---	2.69	7.04	23.16	3.12	2.17	.60	5.79
24	1.96	11.29	4.47	3.50	---	4.31	5.68	21.73	3.54	2.15	.49	4.44
25	1.85	7.68	4.55	3.25	---	3.91	6.75	17.65	4.35	1.84	.61	3.30
26	1.91	4.95	22.00	3.08	---	3.15	5.46	9.29	4.79	1.51	.24	2.67
27	1.92	3.96	24.81	3.06	---	3.60	3.74	4.83	6.68	1.38	.44	2.31
28	1.94	---	25.80	3.07	---	3.14	3.18	4.31	4.47	1.16	.43	2.35
29	1.94	---	26.03	3.04	---	2.82	2.93	3.95	3.72	.85	.34	2.19
30	1.97	---	26.02	3.06	---	2.65	2.84	3.55	3.49	.74	.15	2.30
31	1.97	---	25.91	2.92	---	2.61	---	3.07	---	1.31	-.03	---
MAX	---	11.29	26.03	25.66	22.92	---	19.05	23.42	6.68	3.25	3.57	6.00
MIN	1.76	1.49	4.47	2.80	---	2.61	2.56	2.46	2.07	.20	-.03	.62

NOTE.--No gage-height record Oct. 3, 4, 9, 10, 13, 14, Nov. 28 to Dec. 7, Feb. 14 to Mar. 14.

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

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 07...	1100	731	7.2	25.0	15	25	7.7	3.5
JAN 05...	1125	68	6.2	6.0	100	150	10.8	3.1
APR 13...	0945	109	6.6	17.5	100	200	8.9	2.5
JUL 13...	1030	271	7.0	28.0	30	120	.2	1.7

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)
OCT 07...	3100	15000	240	59	23	53	5.0	169	41
JAN 05...	220	--	22	5.8	1.9	3.2	2.4	22	2.8
APR 13...	110	610	38	9.9	3.2	5.7	2.2	30	11
JUL 13...	K3	150	110	28	9.1	11	3.2	102	14

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 07...	110	.2	12	420	405	.1	.8	.21
JAN 05...	4.0	<.1	4.5	52	38	.3	.6	.39
APR 13...	5.7	<.1	6.2	79	62	.5	1.3	.32
JUL 13...	8.5	.2	11	153	146	<.1	.6	.12

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED, FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED, FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED, FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED, FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 07...	3	2	<1	<1	2	<1	8	4	37	2500

DATE	LEAD, RECOVERED, FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOVERED, FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERED, FM BOTTOM MATERIAL (UG/L AS HG)	MERCURY RECOVERED, FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERED, FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 07...	700	40	240	.3	<.01	26	39	17	<.01	<1	<.1

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

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

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	11	<.1	<1	<.01	<.1	<.1	5	<.01	.6	<.01	<.1

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	.01	.2	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 07...	<.1	<1	<1	<10	<.01	<.1	<.01	<.1	<.01	<.01	.01	<.01

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

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., Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi east of Girard.

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

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 dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s May 2, 1958; maximum gage height, 21.51 ft May 6, 1958, present datum; minimum discharge, 5.8 ft³/s June 11, 1982; minimum gage height, 2.61 ft June 25, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 2,150 ft³/s Dec. 29; maximum gage height, 18.30 ft; minimum discharge, 8.8 ft³/s July 29, 30; gage height, 2.84 ft.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	29	850	1800	300	108	30	40	145	93	12	10
2	19	28	1020	1770	500	93	28	35	115	76	10	11
3	18	27	1130	1730	700	83	23	35	97	61	9.8	11
4	18	25	1390	1670	620	94	21	31	139	50	10	12
5	18	24	1490	1610	549	431	24	28	237	42	11	12
6	19	23	1470	1490	785	712	60	31	216	37	20	11
7	30	21	1410	1270	961	896	117	34	168	34	14	11
8	65	19	1340	971	1020	962	383	35	129	31	13	11
9	158	18	1260	720	1000	906	670	32	101	28	14	13
10	274	17	1100	553	1120	647	769	29	83	26	16	14
11	344	17	985	500	1240	370	668	31	71	24	17	14
12	521	16	950	450	1260	225	412	30	63	24	17	14
13	829	15	900	400	1210	146	282	28	58	24	16	15
14	905	15	950	350	1040	102	381	27	54	24	16	15
15	844	16	1080	300	677	75	341	156	52	23	15	14
16	649	15	1100	280	394	54	290	397	96	21	14	12
17	412	18	1080	260	255	40	220	528	110	21	14	13
18	257	29	1050	240	185	32	150	428	120	21	14	14
19	171	84	886	220	146	30	110	756	130	20	11	14
20	125	192	773	250	119	33	90	1170	120	19	10	17
21	101	272	476	300	141	32	70	1650	101	18	11	18
22	81	354	306	250	476	28	55	1710	95	16	11	19
23	64	360	211	220	522	30	50	1610	124	15	11	26
24	51	320	151	210	470	61	55	1510	164	15	9.8	39
25	41	330	165	200	343	93	90	1360	162	14	10	44
26	35	310	856	190	235	118	99	1150	224	14	10	41
27	30	400	1690	180	170	109	92	814	242	13	11	35
28	27	500	2090	170	132	89	78	481	196	11	10	28
29	35	600	2120	160	---	68	59	310	153	9.1	9.8	22
30	35	700	2030	150	---	50	47	251	118	10	9.6	19
31	31	---	1900	140	---	37	---	190	---	12	10	---
TOTAL	6226	4794	34209	19004	16570	6754	5764	14917	3883	846.1	387.0	549
MEAN	201	160	1104	613	592	218	192	481	129	27.3	12.5	18.3
MAX	905	700	2120	1800	1260	962	769	1710	242	93	20	44
MIN	18	15	151	140	119	28	21	27	52	9.1	9.6	10
AC-FT	12350	9510	67850	37690	32870	13400	11430	29590	7700	1680	768	1090
CAL YR 1982	TOTAL	63861.2	MEAN	175	MAX	2120	MIN	6.1	AC-FT	126700		
WTR YR 1983	TOTAL	113903.1	MEAN	312	MAX	2120	MIN	9.1	AC-FT	225900		

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.44	3.90	12.69	17.20	9.43	5.68	4.27	4.08	7.81	4.80	3.03	2.94
2	3.43	3.87	12.68	17.13	10.11	5.23	4.23	4.01	7.24	4.53	2.93	2.95
3	3.42	3.85	13.20	16.93	10.58	4.88	4.14	3.99	6.87	4.33	2.91	2.95
4	3.40	3.82	14.62	16.71	10.39	5.02	4.08	3.94	7.07	4.16	2.92	3.01
5	3.39	3.81	15.05	16.46	10.50	8.74	4.15	3.89	7.78	4.02	2.98	3.02
6	3.43	3.77	15.01	16.08	11.86	10.43	4.67	3.94	7.67	3.92	3.30	2.98
7	3.71	3.72	14.71	15.35	12.55	11.48	5.36	3.98	7.26	3.84	3.09	2.99
8	4.25	3.67	14.32	14.29	12.88	11.91	7.49	3.99	6.80	3.78	3.08	2.97
9	5.31	3.64	13.88	13.21	12.95	11.72	9.54	3.96	6.40	3.71	3.10	3.08
10	6.68	3.61	13.13	12.39	13.85	10.37	10.38	3.90	6.05	3.62	3.19	3.11
11	7.39	3.59	12.45	11.68	14.24	8.49	9.99	3.93	5.76	3.58	3.23	3.08
12	8.70	3.57	12.29	11.11	14.34	7.06	8.41	3.92	5.50	3.55	3.22	3.10
13	11.00	3.50	12.44	10.75	14.12	6.11	7.36	3.88	5.24	3.52	3.19	3.15
14	11.52	3.52	12.50	10.55	13.40	5.46	8.33	3.86	4.99	3.51	3.19	3.12
15	11.32	3.53	12.89	10.40	11.75	4.99	8.02	5.97	4.83	3.50	3.15	3.09
16	10.24	3.51	13.04	10.29	9.96	4.66	7.07	8.64	5.33	3.45	3.12	3.02
17	8.60	3.63	12.82	10.16	8.70	4.43	6.18	9.33	---	3.44	3.10	3.06
18	7.18	3.89	12.43	10.01	7.81	4.31	5.50	9.10	---	3.44	3.10	3.09
19	6.16	4.64	11.78	9.85	7.11	4.27	5.01	12.86	---	3.43	2.98	3.12
20	5.47	5.79	10.70	9.88	6.55	4.33	4.72	15.90	---	3.40	2.93	3.20
21	4.99	6.61	9.17	9.92	6.53	4.31	4.49	17.40	5.30	3.34	2.97	3.24
22	4.66	7.37	7.72	9.78	9.58	4.24	4.33	17.59	5.06	3.27	2.96	3.27
23	4.42	7.44	6.67	9.57	9.83	4.26	4.24	17.24	5.33	3.24	2.94	3.45
24	4.24	7.41	5.90	9.30	9.54	4.71	4.31	16.72	5.75	3.23	2.90	3.67
25	4.10	7.45	6.12	9.04	8.66	5.03	4.73	16.04	5.76	3.19	2.92	3.78
26	3.99	7.29	12.26	8.76	7.69	5.25	4.81	15.09	6.29	3.17	2.93	3.72
27	3.92	8.36	16.60	8.47	6.86	5.18	4.74	13.47	6.54	3.11	2.97	3.57
28	3.86	10.38	18.11	8.17	6.21	4.99	4.58	11.56	6.13	3.00	2.94	3.42
29	3.99	11.09	18.25	7.88	---	4.78	4.35	10.11	5.67	2.86	2.91	3.30
30	4.00	11.56	17.98	7.53	---	4.57	4.19	9.29	5.18	2.91	2.89	3.20
31	3.93	---	17.54	7.31	---	4.39	---	8.49	---	3.03	2.93	---
MAX	11.52	11.56	18.25	17.20	14.34	11.91	10.38	17.59	7.81	4.80	3.30	3.78
MIN	3.39	3.50	5.90	7.31	6.21	4.24	4.08	3.86	4.83	2.86	2.89	2.94

RED RIVER BASIN

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07368040 BOEUF RIVER SOUTHWEST OF RAYVILLE, LA

LOCATION.--Lat 32°25'40", long 91°49'05", in SW1/4NE1/4 sec.26, T.17 N., R.6 E., Richland Parish, Hydrologic Unit 08050001, on left bank 5.0 mi southwest of Rayville, and 6.4 mi downstream from gaging station Boeuf River near Girard (station 07368000).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1974 to current year (gage heights only). Unpublished records from February 1945 to December 1952, and November 1962 to September 1974 are available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1952, nonrecording gage and prior to Sept. 30, 1974, at datum 0.60 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.44 ft Dec. 29, 1982; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1962, 15.51 ft, present datum, Mar. 20, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.44 ft Dec. 29; minimum, 0.90 ft Aug. 30, 31, Sept. 1-4, 5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	3.25	---	14.65	---	4.92	3.45	3.40	7.13	3.84	1.81	.90
2	2.83	3.22	10.26	14.62	---	4.50	3.50	3.36	6.62	3.65	1.73	.90
3	2.82	3.21	10.64	14.44	---	4.17	3.39	3.36	6.29	3.52	1.67	.90
4	2.79	3.18	11.84	14.26	---	4.24	3.33	3.32	6.25	3.41	1.65	.90
5	2.80	3.12	12.15	14.07	9.03	7.13	3.35	3.26	6.55	3.31	1.64	.92
6	2.84	3.06	12.14	13.82	10.02	8.18	3.68	3.25	6.55	3.21	1.80	.93
7	2.99	3.01	11.91	13.37	10.34	8.91	4.06	3.26	6.32	3.14	1.76	.93
8	3.27	2.96	11.57	12.69	10.58	9.28	5.23	3.28	6.00	3.08	1.74	.93
9	3.71	2.91	11.19	11.94	10.78	9.27	6.79	3.25	5.70	3.01	1.73	.93
10	4.81	2.87	10.65	11.35	11.69	8.45	7.69	3.24	5.41	2.95	1.73	.98
11	5.45	2.84	9.88	---	11.87	7.08	7.70	3.27	5.15	2.91	1.73	1.01
12	6.49	2.82	---	---	11.93	5.90	6.69	3.27	4.91	2.87	1.69	1.03
13	8.45	2.75	---	---	11.79	5.07	5.94	3.26	4.66	2.84	1.65	1.08
14	8.93	2.70	---	---	11.32	4.50	6.78	3.24	4.40	2.84	1.64	1.10
15	8.92	2.65	10.35	---	10.23	4.09	6.54	4.97	4.23	2.81	1.57	1.10
16	8.24	2.60	10.43	---	8.90	3.82	---	7.15	4.26	2.76	1.51	1.10
17	7.01	2.60	---	---	7.88	3.65	---	7.47	4.93	2.72	1.46	1.09
18	5.85	2.70	9.44	---	7.09	3.55	---	7.57	5.30	2.69	1.41	1.12
19	5.01	3.02	9.47	---	6.45	3.47	---	11.33	5.14	2.67	1.34	1.18
20	4.45	3.99	7.89	---	5.93	3.45	---	14.16	4.68	2.64	1.25	1.30
21	4.06	4.68	7.51	---	5.81	3.44	---	15.03	4.26	2.59	1.21	1.37
22	3.79	5.30	6.32	---	8.08	3.38	---	15.08	4.03	2.54	1.18	1.39
23	3.61	---	5.43	---	8.23	3.38	---	14.74	4.04	2.48	1.14	1.47
24	3.48	---	4.80	---	8.06	3.72	---	14.29	4.30	2.43	1.06	1.62
25	3.38	---	5.01	---	7.45	3.78	---	13.72	4.38	2.36	1.01	1.76
26	3.31	---	10.45	---	6.69	3.90	---	12.99	4.62	2.29	1.02	1.81
27	3.26	---	14.05	---	5.99	3.97	3.66	11.81	4.91	2.20	1.08	1.81
28	3.22	---	15.30	---	5.41	3.84	3.60	10.38	4.68	2.12	1.01	1.77
29	3.27	---	15.42	---	---	3.68	3.52	9.20	4.39	2.01	.98	1.74
30	3.32	---	15.26	---	---	3.57	3.45	8.44	4.09	1.93	.93	1.72
31	3.28	---	14.91	---	---	3.48	---	7.74	---	1.86	.90	---
MAX	8.93	---	15.42	14.65	11.93	9.28	---	15.08	7.13	3.84	1.81	1.81
MIN	2.79	2.60	4.80	---	5.41	3.38	3.33	3.24	4.03	1.86	.90	.90

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW1/4SW1/4 sec.26, T.18 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi west of town of Crew Lake.

DRAINAGE AREA.--361 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years, 1,710 ft³/s, 1,240,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft³/s May 2, 1958; maximum gage height, 29.32 ft Jan. 2, 1983; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,000 ft³/s Dec. 30; maximum gage height, 29.32 ft Jan. 2; minimum discharge, 40 ft³/s; gage height, 1.26 ft Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	145	13700	21200	7880	2000	850	700	4300	700	107	113
2	49	149	14700	20700	10500	1800	800	650	4000	600	111	107
3	47	141	15000	20100	10600	1600	750	600	3500	500	118	133
4	47	109	16900	19400	8410	1450	700	1050	3000	400	131	152
5	43	86	17800	18500	7240	6000	650	1070	4000	340	125	251
6	45	75	18200	17100	12100	13200	1750	1000	3500	295	221	343
7	151	71	18200	15100	13400	13800	6770	900	3000	270	329	336
8	3620	68	17800	13100	13500	13600	12100	850	2500	231	688	331
9	6710	66	16900	11800	12700	11900	13200	800	2000	225	882	325
10	7500	62	15000	10500	13900	8000	13000	750	1500	211	673	323
11	6990	60	13800	8770	15500	3920	10200	700	1200	201	469	294
12	7560	62	15000	7350	15600	2500	2940	800	1000	184	304	292
13	13200	63	15600	6280	15100	2100	1500	750	950	188	209	313
14	13600	55	15600	5290	13200	1800	2450	850	900	184	194	342
15	13200	50	15300	4420	10100	1500	1930	4700	800	182	175	332
16	9300	46	15600	3430	7850	1200	1530	10500	700	176	153	266
17	4340	122	15500	3000	5730	1100	1000	9980	650	209	141	292
18	1770	1560	15100	2800	3340	1000	800	5640	600	250	132	254
19	998	2620	13700	2600	2500	950	700	10800	580	662	128	259
20	762	7630	11800	2400	2400	900	600	13600	560	1040	133	488
21	755	10300	9270	2300	2300	850	500	16900	550	513	140	1250
22	794	7880	5700	2100	8410	800	450	18700	540	320	141	2040
23	432	5870	4000	2000	9390	800	2720	18900	800	422	153	2310
24	287	8390	3500	1900	7970	1000	3370	18900	1200	324	153	2020
25	226	7380	4000	1800	4960	1200	2510	17700	2470	235	131	1280
26	192	4350	12300	1700	3500	2000	2190	15500	3230	191	140	667
27	171	5050	17200	1600	3000	1500	1130	12300	3460	164	143	294
28	158	12500	20800	1500	2500	1200	850	9670	2600	167	139	183
29	203	13600	22500	1400	---	1000	800	8060	1210	179	158	128
30	203	13800	22700	1300	---	950	750	6840	900	138	152	102
31	164	---	21900	1200	---	900	---	4560	---	115	125	---
TOTAL	93570	102360	455070	232640	243580	102520	89490	214720	56200	9816	6998	15820
MEAN	3018	3412	14680	7505	8699	3307	2983	6926	1873	317	226	527
MAX	13600	13800	22700	21200	15600	13800	13200	18900	4300	1040	882	2310
MIN	43	46	3500	1200	2300	800	450	600	540	115	107	102
AC=FT	185600	203000	902600	461400	483100	203300	177500	425900	111500	19470	13880	31380
CAL YR 1982 TOTAL	955225			MEAN 2617	MAX 22700	MIN 43	AC=FT 1895000					
WTR YR 1983 TOTAL	1622784			MEAN 4446	MAX 22700	MIN 43	AC=FT 3219000					

NOTE.--Indefinite stage discharge relation, Dec. 23-25, Jan. 17-31, Feb. 19-21, Feb. 26 to Mar. 5, Mar. 12 to Apr. 5, Apr. 17-22, Apr. 28 to May 3, May 6-15, June 30 to July 5.

RED RIVER BASIN

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07369000 BAYOU LAFOURCHE NEAR CREW LAKE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.42	2.28	25.40	29.25	23.07	18.45	9.78	8.16	21.93	10.33	1.88	1.78
2	1.37	2.30	25.86	29.30	24.50	17.97	9.24	7.99	21.00	9.04	1.90	1.74
3	1.34	2.26	26.31	29.26	24.71	17.50	8.84	7.77	20.44	7.82	1.95	1.91
4	1.34	2.05	27.04	29.19	24.02	17.45	8.27	8.34	20.36	6.46	2.03	2.01
5	1.29	1.86	27.41	29.08	23.48	23.03	7.84	8.35	21.23	4.97	1.99	2.48
6	1.32	1.74	27.58	28.90	25.36	25.08	9.37	7.85	20.59	3.68	2.46	2.84
7	2.12	1.69	27.65	28.59	25.98	25.53	16.19	7.52	19.94	3.08	2.93	2.82
8	10.12	1.67	27.63	28.23	26.18	25.64	23.31	7.18	19.57	2.86	3.86	2.80
9	15.77	1.64	27.46	27.90	26.13	25.19	24.45	7.01	19.28	2.82	4.30	2.78
10	17.07	1.60	27.02	27.55	26.64	23.55	24.28	6.90	19.03	2.72	3.78	2.77
11	16.55	1.58	26.68	27.08	27.07	20.94	20.95	6.96	18.78	2.59	3.23	2.66
12	17.46	1.60	26.89	26.57	27.22	18.91	14.85	7.08	18.51	2.48	2.69	2.64
13	24.44	1.61	27.00	26.08	27.19	17.51	12.58	7.06	18.23	2.50	2.30	2.73
14	24.81	1.52	26.98	25.62	26.79	16.54	13.89	7.14	17.90	2.46	2.23	2.84
15	24.44	1.47	27.00	25.16	25.93	15.68	13.44	13.02	17.66	2.45	2.14	2.80
16	21.95	1.41	27.07	24.74	24.96	15.43	12.88	22.89	17.77	2.38	2.02	2.54
17	16.13	2.14	27.03	24.36	23.79	14.92	12.28	22.89	17.16	2.54	1.95	2.65
18	11.25	6.03	26.90	24.00	22.44	14.44	11.43	19.49	16.87	2.68	1.90	2.49
19	9.03	8.34	26.53	23.71	21.36	14.00	10.78	23.72	16.55	3.84	1.87	2.51
20	7.36	17.27	25.80	23.58	20.49	13.63	10.17	26.00	15.93	4.78	1.90	3.26
21	5.82	21.13	24.56	23.62	20.15	13.14	9.63	27.40	15.34	3.49	1.95	5.20
22	4.43	18.96	22.29	23.54	23.54	12.68	9.29	28.05	14.87	2.90	1.95	7.09
23	3.43	16.09	19.67	23.29	24.32	12.41	11.48	28.21	14.89	3.24	2.02	7.69
24	2.93	18.74	18.08	23.00	23.85	14.23	12.57	28.28	14.53	2.91	2.02	7.05
25	2.68	18.30	18.64	22.73	22.42	14.45	11.45	28.13	14.77	2.55	1.89	5.38
26	2.52	14.37	25.19	22.43	20.86	13.04	10.95	27.73	15.21	2.35	1.95	3.94
27	2.42	15.18	27.42	22.10	19.77	12.69	9.65	26.99	15.31	2.22	1.97	2.85
28	2.35	23.74	28.53	21.77	19.00	12.03	8.88	26.11	14.27	2.23	1.94	2.37
29	2.57	24.82	29.02	21.43	---	11.27	8.52	25.24	12.56	2.29	2.05	2.08
30	2.57	25.04	29.20	21.00	---	10.65	8.26	24.44	11.48	2.07	2.01	1.90
31	2.38	---	29.22	20.61	---	10.09	---	23.30	---	1.94	1.86	---
MAX	24.81	25.04	29.22	29.30	27.22	25.64	24.45	28.28	21.93	10.33	4.30	7.69
MIN	1.29	1.41	18.08	20.61	19.00	10.09	7.84	6.90	11.48	1.94	1.86	1.74

RED RIVER BASIN

07369050 BAYOU LAFOURCHE NEAR ALTO, LA

LOCATION.--Lat 32°23'50", long 91°59'40", in NW1/4SE1/4 sec.6, T.16 N., R.5 E., Ouachita - Richland Parish line, Hydrologic Unit 08050001, at bridge on State Highway 15, 8 mi west of Alto, 9.5 mi downstream from gaaging station Bayou Lafourche near Crew Lake (station 07369000), and 40 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1973 to current year (elevations only). April 1946 to September 1973 published in reports of Corps of Engineers.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 63.70 ft Jan. 5, 1983; minimum, 34.22 ft Nov. 14, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since April 1946, 63.8 ft Apr. 23, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 63.70 ft Jan. 5; minimum, 34.68 ft Oct. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.88	36.27	59.19	63.37	58.33	54.89	46.22	44.66	58.36	46.82	35.25	35.11
2	34.78	36.20	59.47	63.57	59.18	54.43	45.66	44.51	57.52	45.58	35.27	34.97
3	34.72	36.16	59.95	63.64	59.43	53.98	45.24	44.27	56.99	44.35	35.39	34.96
4	34.75	35.80	60.57	63.67	59.29	53.89	44.68	44.50	56.78	42.96	35.49	35.15
5	34.70	35.54	60.93	63.67	59.00	57.55	44.23	44.49	57.25	41.37	35.39	35.63
6	34.78	35.38	61.15	63.68	59.75	58.92	45.18	44.24	56.94	39.74	35.87	36.31
7	35.39	35.32	61.30	63.61	60.15	59.33	50.12	43.97	56.47	38.11	36.67	36.47
8	42.38	35.26	61.37	63.50	60.42	59.58	56.43	43.65	56.13	36.98	37.31	36.42
9	48.63	35.14	61.36	63.31	60.63	59.58	57.71	43.47	55.86	36.52	38.23	36.36
10	50.47	35.08	61.21	63.10	60.99	58.85	57.84	43.32	55.61	36.35	37.90	36.35
11	50.46	35.15	61.08	62.83	61.11	57.03	55.87	43.33	55.36	36.26	37.17	36.27
12	51.32	35.19	61.03	62.47	61.37	55.22	50.78	43.43	55.10	36.17	36.43	36.18
13	57.46	35.02	61.00	62.10	61.47	53.91	48.81	43.45	54.81	36.20	35.81	36.27
14	57.97	34.87	60.98	61.74	61.44	53.15	49.92	43.54	54.49	36.30	35.62	36.40
15	57.91	34.89	61.08	61.37	61.12	52.52	49.62	49.15	54.22	36.25	35.62	36.56
16	56.40	34.82	61.10	61.05	60.53	51.91	49.15	57.09	54.20	36.19	35.48	36.21
17	51.59	35.22	61.07	60.75	59.71	51.41	48.62	57.34	53.71	36.21	35.41	36.20
18	47.32	39.77	61.01	60.45	58.69	50.91	47.88	54.93	53.40	36.40	35.35	36.10
19	45.28	42.55	60.87	60.20	57.75	50.54	47.26	58.06	53.08	37.44	35.34	36.07
20	43.60	50.39	60.47	60.06	56.95	50.15	46.69	60.12	52.50	39.22	35.38	36.68
21	41.90	54.53	59.67	60.02	56.51	49.65	46.16	61.29	51.99	38.03	35.46	38.69
22	40.19	53.17	58.06	59.93	58.40	49.20	45.78	61.86	51.42	37.04	35.38	40.79
23	38.51	50.65	55.90	59.74	59.00	48.87	47.01	62.07	51.27	36.94	35.39	41.62
24	37.29	52.56	54.46	59.49	58.96	50.04	47.90	62.22	50.87	36.67	35.43	41.31
25	36.66	52.60	54.74	59.24	58.26	50.37	47.12	62.27	50.85	36.29	35.36	39.85
26	36.35	49.45	59.43	58.96	57.14	49.35	46.74	62.22	51.05	35.89	35.31	38.28
27	36.17	50.02	61.19	58.64	56.17	48.96	45.88	61.95	51.06	35.70	35.35	36.89
28	36.13	57.19	62.05	58.31	55.44	48.40	45.32	61.46	50.26	35.51	35.39	36.08
29	36.62	58.22	62.53	57.98	---	47.74	45.01	60.80	48.90	35.72	35.42	35.60
30	37.03	58.50	62.92	57.56	---	47.14	44.76	60.18	47.90	35.57	35.51	35.33
31	36.53	---	63.15	57.15	---	46.57	---	59.40	---	35.32	35.29	---
MAX	57.97	58.50	63.15	63.68	61.47	59.58	57.84	62.27	58.36	46.82	38.23	41.62
MIN	34.70	34.82	54.46	57.15	55.44	46.57	44.23	43.32	47.90	35.32	35.25	34.96

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°04'15", long 91°55'40", in NW1/4NE1/4 sec.35, T.13 N., R.5 E., Caldwell-Franklin Parish line, Hydrologic Unit 08050001, at bridge on State Highway 4 crossing, 6.7 mi northwest of Fort Necessity, and 0.5 mi downstream from confluence of Bayou Lafourche Cutoff.

DRAINAGE AREA.--2,542 mi², arbitrarily determined because of interchange of flow.

PERIOD OF RECORD.--Water years 1976 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to August 1981.

WATER TEMPERATURES: April 1978 to September 1981.

INSTRUMENTATION.--Water-quality monitor November 1980 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,480 micromhos Jan. 16, 1981; minimum daily, 50 micromhos Dec. 24, 1978.

WATER TEMPERATURES: Maximum daily, 35.0°C July 18, 19, 1978; minimum daily, 5.0°C on many days during January to February 1979, Feb. 4, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 05...	1430	E.00	499	7.2	26.0	20	24	9.8	6.0	K8	K400
DEC 07...	1100	25900	88	5.7	16.0	200	150	5.9	2.6	K280	8000
FEB 17...	1130	16000	67	6.3	11.0	120	110	7.7	1.6	40	K870
APR 11...	1725	14700	76	6.4	15.5	120	200	7.3	3.4	420	1800
JUN 06...	1530	9520	98	6.7	24.5	80	100	2.3	2.4	K10	760
AUG 11...	1000	E.00	461	7.4	30.5	15	44	6.7	2.9	K14	680

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 05...	110	26	11	59	4.0	88	12	94	.2	7.6
DEC 07...	26	6.9	2.2	7.0	3.5	26	9.4	7.6	.1	6.9
FEB 17...	18	4.7	1.4	5.5	2.0	18	8.9	5.3	<.1	2.6
APR 11...	23	6.2	1.9	5.2	2.2	19	12	5.0	<.1	7.7
JUN 06...	32	8.6	2.5	6.6	2.8	32	9.8	6.4	.1	6.2
AUG 11...	150	37	13	34	3.4	118	26	54	.2	7.1

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 05...	281	267	<.10	.05	.9	.08	--	.08	10	1
DEC 07...	68	60	.19	.24	1.0	.27	.10	.09	--	--
FEB 17...	46	41	<.10	.04	.7	.19	.05	.03	90	2
APR 11...	62	51	.27	.13	1.6	.45	.08	.04	<10	1
JUN 06...	72	62	.29	.45	1.1	--	.41	.13	--	--
AUG 11...	274	246	<.10	.04	1.9	.13	.07	.06	10	3

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

E Estimated.

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

RED RIVER BASIN

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 05...	110	<1	2	<1	<3	--	10	--	<4
FEB 17...	26	<1	<1	<1	<3	8	140	15	<4
APR 11...	28	<1	<1	3	<3	2	520	3	<4
AUG 11...	150	<1	<1	<1	<3	1	9	2	8

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 05...	260	.7	<10	--	<1	<1	280	<6	18
FEB 17...	13	.3	<10	5	<1	<1	25	<6	17
APR 11...	3	.1	<10	1	<1	<1	31	<6	7
AUG 11...	58	<.1	<10	1	<1	1	230	6	8

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 05...	--	--	--
DEC 07...	147	10300	96
FEB 17...	32	1380	64
APR 11...	202	8020	95
JUN 06...	48	1230	75
AUG 11...	--	--	--

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

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA

LOCATION.--Lat 32°48'50", long 91°11'10", T.21 N., R.12 E., East Carroll Parish, Hydrologic Unit 08050003, center of Lake Providence, opposite the mouth of Tensas Bayou, and 1.5 mi northeast of Lake Providence.

DRAINAGE AREA.--18.7 mi².

PERIOD OF RECORD.--Water years 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 28...	1030	170	7.9	18.0	10	2.0	5.4	--	K5
JAN 05...	1500	117	6.5	11.0	20	35	9.0	2.2	33
APR 13...	1330	145	7.4	16.0	5	10	10.6	2.7	K7
JUL 13...	1400	162	7.9	32.0	5	3.0	14.3	5.2	K2

DATE	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
OCT 28...	K24	63	17	5.0	5.6	4.9	65	3.0	3.8
JAN 05...	160	47	13	3.6	3.4	3.3	49	2.0	2.3
APR 13...	K22	62	17	4.7	3.8	3.0	62	7.4	2.4
JUL 13...	K60	67	18	5.3	4.5	3.3	71	3.9	2.8

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	<.1	1.4	82	80	<.1	2.3	.11	10
JAN 05...	<.1	2.1	71	59	.2	.5	.17	3.9
APR 13...	<.1	.5	84	76	<.1	.7	.09	4.3
JUL 13...	.2	1.5	85	82	<.1	.9	.12	7.9

DATE	ARSENIC TOTAL DIS-SOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, FM BOTTOM MATERIAL (UG/G AS FE)
OCT 28...	10	7	<1	1	6	<1	<1	22	<3	15000

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)
OCT 28...	<1	20	<1	790	<.1	<.01	<4	65	<.01	2

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

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

RED RIVER BASIN

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 28...	<.1	<1	<.1	<1	<.01	<.1	<.1	21	<.01	50	<.01
JAN 05...	<.1	<1	<.1	<1	<.01	<.1	<.1	38	.01	80	<.01
APR 13...	<.1	<1	<.1	<1	<.01	<.1	<.1	5	<.01	2.6	<.01
JUL 13...	--	<1	--	<1	--	<.1	--	19	--	45	--

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 28...	34	<.01	8.3	<.01	<.1	<.01	2.6	<.01	<.1	<.01	<.1
JAN 05...	200	.02	18	<.01	<.1	.01	.8	<.01	<.1	<.01	<.1
APR 13...	18	<.01	1.1	<.01	<.1	<.01	.1	<.01	<.1	<.01	<.1
JUL 13...	120	--	29	--	<.1	--	<.1	--	<.1	--	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JAN 05...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
APR 13...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JUL 13...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--

DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
OCT 28...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
JAN 05...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
APR 13...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
JUL 13...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--

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

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L)
OCT 28...	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01	1.0
JAN 05...	<1	<1	<10	<.01	<.1	--	--	--	--	--
APR 13...	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01	--
JUL 13...	<1	--	<10	--	<.1	--	--	--	--	--

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 28...	72000
JAN 05...	4700
APR 13...	72000
JUL 13...	380000

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

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 28, 82 1030	JAN 5, 83 1500	APR 13, 83 1330	JUL 13, 83 1400				
TOTAL CELLS/ML	72000	4700	72000	380000				
DIVERSITY: DIVISION	1.7	1.6	1.7	0.5				
...CLASS	1.7	1.6	1.7	0.5				
...ORDER	2.6	2.3	2.1	1.9				
...FAMILY	2.9	2.5	2.5	2.3				
...GENUS	3.1	3.2	2.8	3.0				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
...NITZSCHIAEAE								
....NITZSCHIA	1400	2	480	10	6600	9	--	-
...EUPODISCALES								
...COSCINODISCAEAE								
....CYCLOTELLA	6800	10	890#	19	22000#	31	4500	1
....MELUSIRA	--	-	600	13	1200	2	--	-
...FRAGILARIALES								
...FRAGILARIAEAE								
....ASTERIONELLA	2200	3	--	-	--	-	--	-
....SYNEURA	7200	10	48	1	--	-	*	0
...NAVICULALES								
...NAVICULACEAE								
....NAVICULA	1800	3	24	1	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHLOROCOCCACEAE								
....TETRAEDRUM	3600	5	48	1	--	-	--	-
...DICTYOSPHAERIACEAE								
....DICTYOSPHAERIUM	--	-	360	8	4300	6	--	-
...DUCYSTACEAE								
....ANKISTROIDESMUS	3600	5	260	6	4300	6	25000	6
....CHODATELLA	--	-	--	-	390	1	--	-
....FRANCEIA	--	-	--	-	--	-	*	0
....KIRCHNERIELLA	2200	3	--	-	390	1	--	-
....DUCYSTIS	--	-	170	4	--	-	--	-
...SCENEDESMACEAE								
....COELASTRUM	--	-	--	-	--	-	2500	1
....GLOEOACTINIUM	--	-	--	-	3100	4	--	-
...SCENEDESMUS	3600	5	--	-	5400	8	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	290	6	1900	3	*	0
CHRYSOPHYTA								
..CHRYSOPHYCEAE								
...OCHROMONADALES								
...OCHROMONADACEAE								
....OCHROMONAS	--	-	--	-	390	1	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	780	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	5800	8	1100#	22	--	-	5100	1
....ANACYSTIS	--	-	460	10	21000#	29	78000#	20
...NOSTOCALES								
...HAMMATOIDEACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	41000	11
...NOSTOCAEAE								
....ANABAENA	2900	4	--	-	--	-	91000#	24
....ANABAEOPSIS	--	-	--	-	--	-	15000	4
...CYLINDROSPERMUM	--	-	--	-	--	-	32000	8
...OSCILLATORIALES								
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	38000	10
...OSCILLATORIA	27000#	38	--	-	--	-	48000	12
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....EUGLENA	2500	4	--	-	--	-	--	-
....TRACHELUMONAS	1100	2	72	2	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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, Hydrologic Unit 08050003, on upstream side of Baxter Bayou bridge on U.S. Highway 65, 3.0 mi northwest of village of Lake Providence.

DRAINAGE AREA.--18.7 mi².

PERIOD OF RECORD.--Water years 1962, 1969, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)		
OCT 28...	1000	140	7.4	17.5	15	3.0	4.5	--	K5		
JAN 05...	1430	124	6.9	10.5	10	15	11.1	3.9	K22		
APR 13...	1315	143	7.3	16.0	5	15	9.3	1.7	K5		
JUL 13...	1300	163	8.3	31.5	5	4.0	16.8	7.5	<1		
DATE	TIME	STREP-TOCOCOCCI FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)		
OCT 28...	K28		58	15	5.0	5.9	4.8	68	4.6		
JAN 05...	40		51	14	3.8	3.8	3.4	53	2.4		
APR 13...	32		58	16	4.5	3.6	3.0	62	2.4		
JUL 13...	26		63	17	5.1	3.8	3.2	68	2.8		
DATE	TIME	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)		
OCT 28...		.1	1.5	79	80	<.1	.9	.09	6.3		
JAN 05...		<.1	1.6	68	63	.4	.7	.12	6.2		
APR 13...		.1	.9	96	72	<.1	.8	.09	4.5		
JUL 13...		.1	1.3	78	78	<.1	1.5	.12	7.3		
DATE	TIME	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	
OCT 28...	10	7	1	<1	8	<1	<1	19	3	14000	
DATE	TIME	LEAD, DIS-SOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY RECOVERED FROM BOTTOM MATERIAL (UG/G AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Zn)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)
OCT 28...	<1	30	1	800	<.1	<.01	4	64	<.01		

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

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

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCH, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 28...	<.1	<1	<.1	<1	<.01	<.1	<.1	20	<.01	49	<.01
JAN 05...	<.1	1	<.1	1	<.01	<.1	<.1	4	<.01	1.8	<.01
APR 13...	<.1	<1	<.1	<1	<.01	<.1	<.1	13	<.01	41	<.01
JUL 13...	--	<1	--	<1	--	<.1	--	16	--	8.7	--

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 28...	45	<.01	2.2	<.01	<.1	<.01	.4	<.01	<.1	<.01	<.1
JAN 05...	21	.01	.3	<.01	<.1	<.01	.3	<.01	<.1	<.01	.1
APR 13...	72	.02	21	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JUL 13...	43	--	2.9	<.01	<.1	--	<.1	--	<.1	--	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JAN 05...	<.01	<.1	<.01	<.1	<.01	.1	<.01	.1	<.01	<.1	<.01
APR 13...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JUL 13...	<.01	<.1	--	<.1	--	<.1	--	<.1	<.01	<.1	--

DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
OCT 28...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
JAN 05...	<.1	<.01	.1	<.01	<.1	<.01	<.1	<.01	.1	<.1
APR 13...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
JUL 13...	<.1	<.01	<.1	<.01	<.1	--	<.1	<.01	<.1	--

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

RED RIVER BASIN

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07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L)
OCT 28...	<1	<1	<10	<.01	<.1	.01	<.01	<.01	<.01	12
JAN 05...	<1	<1	10	<.01	.1	--	--	--	--	--
APR 13...	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01	--
JUL 13...	<1	--	<10	<.01	<.1	.02	<.01	<.01	<.01	--

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 28...	160000
JAN 05...	7000
APR 13...	50000
JUL 13...	540000

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

RED RIVER BASIN

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued
 PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 28,82 1000	JAN 5,83 1430	APR 13,83 1315	JUL 13,83 1300				
TOTAL CELLS/ML	160000	7000	50000	540000				
DIVERSITY: DIVISION	1.4	1.2	1.6	0.5				
..CLASS	1.4	1.2	1.6	0.5				
...ORDER	2.6	1.8	1.9	1.8				
....FAMILY	2.7	2.2	2.2	2.3				
.....GENUS	2.8	3.0	2.6	3.2				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
....NITZSCHIAEAE								
.....NITZSCHIA	2200	1	220	3	4000	8	*	0
....EUPODISCALES								
...COSCINODISCACEAE								
....CYCLOTELLA	9400	6	900	13	15000#	30	5000	1
....MELOSIRA	1800	1	2500#	36	1900	4	--	-
...FRAGILARIALES								
....FRAGILARIAEAE								
.....FRAGILARIA	--	-	--	-	--	-	*	0
....SYNEKMA	20000	13	--	-	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHLOROCOCCACEAE								
.....TETRAEDRUM	--	-	--	-	270	1	--	-
....DICTYOSPHAERIACEAE								
.....DICTYOSPHAERIUM	--	-	250	4	--	-	--	-
....HYDRODICTYACEAE								
.....PEDIASTRUM	2900	2	--	-	--	-	--	-
....OOCYSTACEAE								
.....ANKISTROPEZMUS	--	-	540	8	3800	8	29000	5
....OOCYSTIS	--	-	360	5	2200	4	--	-
...SELENASTRUM	3600	2	--	-	--	-	--	-
....SCENEDESMACEAE								
.....COELASTRUM	--	-	290	4	--	-	--	-
....GLOEOACTINIUM	--	-	--	-	7800#	16	--	-
...SCENEDESMUS	11000	7	500	7	--	-	--	-
....TETRASTRUM	1400	1	290	4	1100	2	--	-
...VOLVOCALES								
....CHLAMYDOMONADACEAE								
.....CHLAMYDOMONAS	--	-	860	12	--	-	4000	1
...ZYGHEMATALES								
....DESMIDIACEAE								
.....COSMARIMUM	4300	3	--	-	--	-	--	-
....STAUSTRUM	--	-	72	1	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....AGMENELLUM	57000#	36	--	-	--	-	56000	10
....ANACYSTIS	--	-	--	-	14000#	28	110000#	20
...NOSTOCALES								
....HAMMATOIDEACEAE								
.....RAPHIDIOPSIS	--	-	--	-	--	-	100000#	18
...NOSTOCACEAE								
.....ANABAENA	--	-	--	-	--	-	58000	11
....ANABAEOPSIS	10000	6	--	-	--	-	10000	2
...APHANIZOYENON	--	-	--	-	--	-	35000	6
....CYLINDROSPERMUM	--	-	--	-	--	-	56000	10
...OSCILLATORIALES								
....OSCILLATORIAEAE								
.....LYNGBYA	--	-	--	-	--	-	20000	4
....OSCILLATORIA	34000#	21	--	-	--	-	52000	10
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	2500	2	--	-	--	-	--	-
....TRACHELUMONAS	--	-	220	3	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..PYRRHOPHYCEAE								
...DINOKONTAE								
....GYMNODINIACEAE								
.....GYMNODINIUM	--	-	--	-	--	-	*	0
...PERIDIINIACEAE								
....PERIDIINIUM	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW1/4 sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near left bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

DRAINAGE AREA.--309 mi² (see REMARKS).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944, to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--47 years (water years 1936-83), 342 ft³/s, 247,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s Nov. 19, 1948; maximum gage height, 26.34 ft Dec. 4, 1982; minimum discharge, 1.7 ft³/s Oct. 5, 1981, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,730 ft³/s May 24; maximum gage height, 26.34 ft Dec. 4; minimum discharge, 14 ft³/s Sept. 29, 30, gage height 5.46 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	384	3290	3030	1600	194	222	132	2930	558	53	21
2	240	352	3150	3010	1850	149	355	107	2710	468	46	20
3	171	315	3180	2890	1540	124	361	92	2400	401	50	24
4	118	265	3580	2730	1160	234	265	81	2220	340	45	30
5	67	218	3620	2540	1320	2070	187	75	2310	286	42	35
6	47	179	3630	2290	2320	2420	685	71	2060	241	40	45
7	136	148	3630	2010	2260	2150	1420	68	1680	202	38	44
8	1110	120	3600	2180	2040	1860	1470	72	1270	171	36	40
9	1430	92	3530	2340	2080	1580	1250	72	939	144	34	35
10	2040	69	3420	2200	2760	1260	954	73	716	120	40	30
11	2200	51	3450	1980	2660	921	724	72	584	100	45	28
12	2300	40	3440	1740	2550	738	577	70	516	80	40	24
13	2400	35	3310	1460	2390	650	560	67	458	67	35	24
14	2460	32	3170	1150	2170	559	1650	63	404	63	32	24
15	2350	32	3130	910	1940	492	1660	233	372	64	30	24
16	2260	30	3080	744	1710	432	1310	1000	544	121	28	24
17	2160	40	2960	625	1440	399	1010	1600	501	106	26	22
18	2050	247	2780	546	1160	357	823	1300	432	74	24	21
19	1920	439	2600	482	897	313	668	2000	384	72	22	22
20	1750	740	2400	592	707	269	544	3300	347	70	28	23
21	1560	787	2130	936	621	224	471	3650	328	80	40	26
22	1320	819	1830	830	1130	181	426	3690	283	100	35	24
23	1110	1020	1530	641	1150	183	471	3690	348	95	30	24
24	954	1360	1210	513	812	902	410	3720	621	90	29	22
25	843	1150	1080	426	563	998	341	3720	761	74	28	20
26	743	887	2710	363	406	774	293	3650	784	55	27	18
27	652	1140	3040	313	312	727	257	3560	881	54	26	16
28	573	2690	3050	275	257	563	227	3430	910	54	25	16
29	517	2620	3120	240	---	424	207	3300	780	61	24	15
30	465	2570	3180	186	---	330	160	3190	660	61	23	15
31	421	---	3110	155	---	266	---	3070	---	60	22	---
TOTAL	36705	18871	90940	40327	41805	22743	19958	49218	30133	4532	1043	756
MEAN	1184	629	2934	1301	1493	734	665	1588	1004	146	33.6	25.2
MAX	2460	2690	3630	3030	2760	2420	1660	3720	2930	558	53	45
MIN	47	30	1080	155	257	124	160	63	283	54	22	15
AC-FT	72800	37430	180400	79990	82920	45110	39590	97620	59770	8990	2070	1500

CAL YR 1982 TOTAL 231315.8 MEAN 634 MAX 3630 MIN 4.8 AC-FT 458800
WTR YR 1983 TOTAL 357031.0 MEAN 978 MAX 3720 MIN 15 AC-FT 708200

NOTE.--No gage height record at base gage or auxiliary gage, Oct. 10-12, May 16-20, July 20-25, Aug. 3 to Sept. 30.

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.91	9.18	24.27	24.40	15.90	10.14	7.96	7.07	23.68	10.90	5.87	---
2	8.18	8.75	24.46	24.41	18.50	9.33	9.02	6.78	22.96	10.11	5.76	---
3	7.58	8.36	24.75	24.11	18.11	8.67	9.28	6.60	22.05	9.44	---	---
4	7.05	7.98	26.16	23.67	16.96	9.10	8.40	6.46	21.42	8.88	---	---
5	6.45	7.63	26.34	23.16	17.13	18.88	7.63	6.38	21.53	8.43	---	---
6	6.16	7.30	26.32	22.52	20.24	21.22	12.27	6.33	20.80	8.04	---	---
7	7.23	7.01	26.26	21.76	20.50	21.09	17.76	6.29	19.73	7.66	---	---
8	13.80	6.73	26.10	21.89	20.16	20.55	18.63	6.34	18.42	7.34	---	---
9	16.44	6.44	25.86	22.22	20.38	19.77	18.23	6.34	17.09	7.04	---	---
10	18.37	6.17	25.55	21.90	22.71	18.76	17.19	6.36	15.89	6.75	---	---
11	18.78	5.94	25.65	21.27	22.94	17.59	16.10	6.34	14.81	6.50	---	---
12	19.05	5.78	25.64	20.46	22.80	16.41	15.04	6.31	13.74	6.25	---	---
13	20.14	5.70	25.33	19.49	22.44	15.23	14.38	6.27	12.65	6.07	---	5.63
14	20.17	5.66	24.98	18.40	21.90	14.05	18.81	6.22	11.54	6.02	---	5.63
15	20.06	5.64	24.83	17.30	21.22	12.85	19.56	7.66	10.57	6.03	---	5.63
16	19.93	5.62	24.64	16.22	20.42	11.67	18.82	14.81	11.05	6.76	---	5.62
17	19.69	5.78	24.29	15.18	19.47	10.34	17.80	16.45	10.96	6.57	---	5.59
18	19.32	7.86	23.82	14.14	18.36	9.61	16.76	16.20	10.39	6.17	---	5.57
19	18.81	9.37	23.28	13.08	17.21	8.87	15.74	22.77	9.81	6.15	---	5.58
20	18.21	11.48	22.61	13.14	16.08	8.36	14.75	25.18	9.27	---	---	5.63
21	17.52	12.24	21.76	15.12	15.21	7.98	13.72	25.94	8.79	---	---	5.69
22	16.62	12.48	20.81	14.98	16.81	7.58	12.68	26.19	8.41	---	---	5.66
23	15.62	13.79	19.77	14.03	17.14	7.60	12.59	26.22	8.93	---	---	5.66
24	14.65	15.74	18.60	12.95	16.04	12.53	12.00	26.24	10.77	---	---	5.63
25	13.74	15.32	17.88	11.87	14.77	14.30	11.15	26.16	11.95	---	---	5.57
26	12.93	14.09	22.15	10.79	13.50	13.43	10.20	25.98	12.33	5.90	---	5.53
27	12.17	14.84	24.10	9.77	12.26	13.14	9.27	25.72	12.99	5.89	---	5.50
28	11.42	20.60	24.61	8.90	11.11	12.08	8.47	25.38	13.30	5.88	---	5.49
29	10.78	21.23	24.73	8.19	---	10.73	7.83	24.99	12.67	5.98	---	5.47
30	10.21	21.45	24.71	7.62	---	9.53	7.37	24.64	11.78	5.98	---	5.48
31	9.67	---	24.55	7.29	---	8.59	---	24.21	---	5.97	---	---
MAX	20.17	21.45	26.34	24.41	22.94	21.22	19.56	26.24	23.68	10.90	---	---
MIN	6.16	5.62	17.88	7.29	11.11	7.58	7.37	6.22	8.41	5.88	---	5.47

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to September 1981.

WATER TEMPERATURES: October 1967 to September 1968, April 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor April 1975 to September 1979.

REMARKS.--The temperature range for the water-quality monitor, 0.0°C to 36.5°C. Water-quality monitor removed September 1979. Samples for daily temperature and specific conductance were collected by an observer October 1979 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.

WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sept. 1, 1977; minimum, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 07...	1515	141	244	6.7	24.0	30	32	7.3	6.8	230	3300
JAN 06...	0900	2330	63	6.6	6.5	160	180	10.1	1.7	220	K5400
APR 14...	0830	1670	81	6.6	17.5	120	260	6.8	2.6	1000	K18000
JUL 12...	1500	80	385	7.1	29.5	5	21	11.4	5.1	K4	80

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)
OCT 07...	87	23	7.0	10	6.5	101	7.0	9.8	.2	11
JAN 06...	24	6.5	1.9	1.6	2.3	26	1.0	1.9	<.1	6.8
APR 14...	30	8.0	2.3	2.4	2.3	26	8.6	1.6	<.1	5.7
JUL 12...	160	41	13	17	3.8	169	8.4	10	.2	13

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 07...	147	136	<.10	.07	1.8	.18	--	.08	10	4
JAN 06...	48	38	.30	.28	.9	.63	.12	.12	80	3
APR 14...	59	47	.44	.12	1.3	.33	.09	.07	60	2
JUL 12...	219	207	.24	.03	1.0	.16	.06	.03	<10	3

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

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

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 07...	70	<1	<1	<1	<3	5	54	<1	4
JAN 06...	20	<1	<1	<1	<3	6	360	4	<4
APR 14...	54	<1	<1	<1	<3	6	130	4	<4
JUL 12...	160	<1	<1	<1	<3	3	4	2	4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 07...	18	<.1	<10	6	<1	<1	110	<6	26
JAN 06...	4	.1	<10	1	1	<1	28	<6	10
APR 14...	5	.1	<10	2	<1	<1	35	<6	8
JUL 12...	240	.2	<10	2	<1	<1	190	<6	<3

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 07...	82	31	89
JAN 06...	85	535	100
APR 14...	118	532	97
JUL 12...	52	11	100

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

RED RIVER BASIN

175

07369515 TENSAS RIVER SOUTHEAST OF TENDAL, LA

LOCATION.--Lat 32°23'17", long 91°20'05", in SW1/4NW1/4 sec.10, T.16 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, on right bank 1.6 mi upstream from mouth of Judd Bayou, 3.5 mi southeast of Tendal, and 8.5 mi downstream from gaging station Tensas River at Tendal (station 07369500).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records November 1951 to September 1975 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1962, nonrecording gage at same site and prior to September 30, 1957, at datum 0.31 ft lower.

REMARKS.--Small diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.47 ft Dec. 5, 1983, minimum not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1951, 21.83 ft June 12, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.47 ft Dec. 5; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.93	7.83	21.10	21.76	12.34	9.81	7.02	6.28	20.93	9.03	4.68	---
2	7.28	7.47	21.63	21.81	15.39	9.08	7.45	6.03	20.33	8.38	4.68	---
3	6.77	7.17	21.99	21.60	15.70	8.44	7.88	5.85	19.64	7.82	4.73	---
4	6.35	6.86	23.29	21.27	15.10	8.52	7.35	5.69	19.08	7.32	4.78	---
5	5.98	6.56	23.46	20.91	14.96	15.51	6.75	5.57	19.07	6.93	4.81	---
6	5.68	6.32	23.43	20.46	17.04	18.35	10.38	5.51	18.54	6.58	4.82	---
7	5.84	6.09	23.33	19.93	17.64	18.76	15.50	5.49	17.79	6.27	4.83	---
8	10.23	5.86	23.18	19.82	17.62	18.58	16.70	5.47	16.86	6.02	4.82	---
9	13.33	5.57	22.95	19.98	17.87	18.06	16.63	5.49	15.87	5.82	4.86	---
10	---	5.32	22.70	19.78	19.86	17.35	15.95	5.52	14.93	5.58	4.97	---
11	---	5.33	22.80	19.34	20.39	16.54	15.16	5.54	13.98	5.34	4.90	---
12	---	4.93	22.80	18.70	20.40	15.50	14.26	5.53	12.95	5.09	4.87	---
13	15.57	4.25	22.58	17.93	20.19	14.31	13.56	5.51	11.84	4.91	4.82	---
14	16.55	4.38	22.34	17.10	19.84	13.18	16.58	5.50	10.70	4.81	4.82	---
15	16.65	4.33	22.20	16.20	19.34	11.97	17.60	6.37	9.62	4.78	4.84	---
16	16.67	4.54	22.00	15.26	18.69	10.75	17.32	---	9.36	4.73	4.81	---
17	16.54	4.86	21.72	14.31	17.92	9.44	16.61	---	9.47	4.79	---	---
18	16.21	5.60	21.38	13.32	17.03	8.39	15.73	---	9.05	5.18	---	---
19	15.73	7.15	20.95	12.28	16.12	7.64	14.88	---	8.50	5.33	---	---
20	15.21	8.78	20.40	11.98	15.19	7.15	14.03	---	7.84	5.68	---	---
21	14.65	9.76	19.74	13.25	14.35	6.81	13.04	22.88	7.32	5.58	---	---
22	14.05	9.99	18.99	13.44	14.98	6.45	11.97	23.15	6.96	5.30	---	---
23	13.33	10.98	18.16	12.90	15.37	6.36	11.73	23.18	7.00	5.07	---	---
24	12.53	12.45	17.23	12.03	14.88	9.49	11.24	23.18	8.35	4.94	---	---
25	11.77	12.69	16.57	11.01	14.00	11.82	10.47	23.07	9.43	4.92	---	---
26	11.07	12.04	19.14	9.94	12.96	11.64	9.51	22.93	9.93	4.95	---	---
27	10.41	12.34	21.34	8.87	11.82	11.44	8.55	22.72	10.39	4.85	---	---
28	9.79	16.64	22.02	7.95	10.70	10.73	7.71	22.46	10.78	4.77	---	---
29	9.21	17.91	22.07	7.24	---	9.58	7.05	22.14	10.48	4.72	---	---
30	8.71	18.40	21.93	6.70	---	8.46	6.58	21.83	9.78	4.70	---	---
31	8.25	---	21.85	6.37	---	7.60	---	21.44	---	4.69	---	---
MAX	16.67	18.40	23.46	21.81	20.40	18.76	17.60	23.18	20.93	9.03	---	---
MIN	5.68	4.25	16.57	6.37	10.70	6.36	6.58	5.47	6.96	4.69	---	---

NOTE.--No gage-height record Oct. 10-12, May 16-20, Aug. 17 to Sept. 30.

RED RIVER BASIN

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 32°03'20", long 91°13'35", in NE1/4SE1/4 lot 3, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, near left bank on upstream side of Clark Bayou bridge on State Highway 605, 1.5 mi southeast of Newellton.

DRAINAGE AREA.--23.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1977 to current year (elevations only). Unpublished records from February 1959 to September 1961 available in files of Baton Rouge district office.

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

REMARKS.--Reservoir is formed from an oxbow lake by two control structures on Clark Bayou. Control structure No. 1 has a 70-ft long weir with a crest elevation of 63.0 ft and two timber lift gates with widths of 10-ft each with a low sill at invert elevation of 56.0 ft. Control structure No. 2 on upper Clark Bayou has a drop inlet weir length of 53-ft with crest elevation of 65.0 ft and an 8-ft wide timber lift gate with invert elevation of 58.5 ft. Pool stage of 65.0 ft is controlled by structure No. 2 because control structure No. 1, located upstream is submerged. Reservoir is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 68.98 ft May 22, 1983; minimum, 64.22 ft Nov. 7, 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1960 reached an elevation of 66.71 ft Mar. 4, 5, 6, 1960; minimum, 63.56 ft Aug. 10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 68.98 ft May 22; minimum, 64.94 ft Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.34	65.52	67.08	67.07	66.85	66.34	66.20	66.58	67.45	66.30	65.48	65.16
2	65.33	65.52	67.14	67.08	66.94	66.31	66.17	66.43	67.32	66.26	65.49	65.14
3	65.32	65.50	67.14	67.00	66.93	66.27	66.18	66.29	67.17	66.21	65.52	65.13
4	65.31	65.49	68.06	66.87	66.91	66.32	66.18	66.28	67.03	66.17	65.55	65.11
5	65.30	65.48	68.31	66.73	66.95	66.83	66.14	66.27	67.15	66.12	65.53	65.10
6	65.29	65.49	68.23	66.59	67.16	67.00	66.45	66.25	67.03	66.11	65.51	65.09
7	65.28	65.48	68.07	66.54	67.17	66.95	67.73	66.23	66.92	66.06	65.50	65.07
8	65.35	65.46	67.88	66.55	67.12	66.89	67.67	66.23	66.80	66.02	65.50	65.04
9	65.35	65.46	67.68	66.60	67.10	66.83	67.51	66.24	66.68	66.00	65.47	65.03
10	65.50	65.45	67.52	66.58	67.96	66.76	67.38	66.20	66.57	65.96	65.45	65.02
11	65.60	65.44	67.45	66.55	68.05	66.67	67.23	66.20	66.46	65.93	65.43	65.00
12	65.63	65.43	67.51	66.48	67.93	66.64	67.09	66.22	66.34	65.91	65.42	65.02
13	65.68	65.43	67.40	66.46	67.78	66.59	66.95	66.19	66.21	65.89	65.40	65.06
14	65.68	65.43	67.23	66.42	67.62	66.53	67.64	66.16	66.20	65.88	65.39	65.05
15	65.69	65.41	67.16	66.36	67.47	66.48	67.75	66.19	66.23	65.85	65.38	65.03
16	65.66	65.41	67.11	66.33	67.28	66.42	67.65	66.68	66.24	65.82	65.36	65.02
17	65.66	65.48	67.05	66.29	67.12	66.38	67.51	66.76	66.29	65.80	65.34	65.00
18	65.66	65.57	66.96	66.25	66.97	66.33	67.35	66.68	66.30	65.78	65.33	64.99
19	65.64	65.75	66.88	66.25	66.82	66.30	67.23	67.27	66.29	65.76	65.30	65.06
20	65.64	65.91	66.80	66.33	66.67	66.25	67.05	68.11	66.26	65.74	65.28	65.08
21	65.62	65.95	66.75	66.43	66.51	66.22	66.89	68.52	66.23	65.72	65.27	65.06
22	65.61	65.96	66.68	66.46	66.49	66.21	66.75	68.98	66.25	65.69	65.25	65.06
23	65.59	65.96	66.66	66.43	66.48	66.18	67.52	68.90	66.26	65.67	65.23	65.05
24	65.58	65.95	66.58	66.40	66.47	66.33	67.57	68.74	66.40	65.65	65.22	65.04
25	65.57	65.97	66.53	66.38	66.44	66.37	67.46	68.57	66.48	65.62	65.20	65.02
26	65.56	65.98	66.52	66.34	66.44	66.36	67.30	68.39	66.50	65.60	65.18	65.01
27	65.55	65.99	67.32	66.29	66.37	66.30	67.15	68.22	66.46	65.57	65.19	65.00
28	65.55	66.63	67.56	66.28	66.33	66.28	67.00	68.06	66.41	65.57	65.19	64.99
29	65.54	66.76	67.46	66.34	---	66.31	66.87	67.89	66.37	65.56	65.16	64.97
30	65.53	66.77	67.34	66.32	---	66.27	66.72	67.75	66.34	65.52	65.18	64.95
31	65.53	---	67.18	66.34	---	66.20	---	67.59	---	65.50	65.18	---
MAX	65.69	66.77	68.31	67.08	68.05	67.00	67.75	68.98	67.45	66.30	65.55	65.16
MIN	65.28	65.41	66.52	66.25	66.33	66.18	66.14	66.16	66.20	65.50	65.16	64.95

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 27...	1300	140	8.0	15.5	20	10	12.2	7.7
JAN 06...	1115	79	6.5	8.5	40	100	9.7	2.8
APR 14...	1100	80	6.8	20.0	80	230	8.7	2.7
JUL 14...	0915	192	8.0	30.5	15	6.0	9.7	8.1

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)
OCT 27...	K14	K16	70	19	5.4	2.6	5.2	72	3.0
JAN 06...	K810	K2300	32	8.8	2.4	1.2	3.0	32	<1.0
APR 14...	K1500	>2000	32	8.8	2.4	1.3	3.2	29	5.6
JUL 14...	K6	K14	84	23	6.4	3.4	3.5	85	6.5

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 27...	2.2	.1	6.1	92	87	<.1	2.2	.10
JAN 06...	1.0	<.1	7.4	57	--	.4	1.5	.53
APR 14...	2.0	<.1	4.0	60	44	.5	1.5	.47
JUL 14...	2.1	.2	8.1	110	104	<.1	2.1	.23

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 27...	7	4	1	<2	10	<1	<1	25	8	16000 <1

DATE	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOVERED FROM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 27...	30	1	570	<.1	<.01	4	82	<.01	<1	<.1	<1

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

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

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

RED RIVER BASIN

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	<.1	<1	<.01	<.1	<.1	15	<.01	15	<.01	72	<.01

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	33	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2, 4-DP TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L)
OCT 27...	<1	<1	<10	<.01	<.1	.05	<.01	<.01	<.01	1.0

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 27...	170000
JAN 06...	8000
APR 14...	33000
JUL 14...	550000

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

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 27,82 1300	JAN 6,83 1115	APR 14,83 1100	JUL 14,83 0915				
TOTAL CELLS/ML	170000	8000	33000	550000				
DIVERSITY: DIVISION	1.0	1.7	1.7	0.4				
..CLASS	1.0	1.7	1.7	0.4				
...ORDER	1.9	2.4	2.0	1.7				
...FAMILY	2.0	3.0	2.4	1.9				
....GENUS	2.5	3.6	3.2	2.6				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
....NITZSCHIAEAE								
.....NITZSCHIA	13000	8	500	6	1500	5	7700	1
...EUPODISCALES								
....COSCINODISCAEAE								
.....CYCLOTELLA	4000	2	360	4	5900#	18	2800	1
.....MELOSIRA	15000	9	1100	14	5100#	16	*	0
...FRAGILARIALES								
...FRAGILARIAEAE								
....SYNEDRA	3600	2	360	4	--	-	*	0
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....SCHROEDEERIA	--	-	110	1	--	-	--	-
....TETRAEDRON	1100	1	*	0	--	-	*	0
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	72	1	--	-	--	-
...DICTYOSPHAERIAEAE								
....DICTYOSPHAERIUM	--	-	--	-	2500	8	--	-
...MICRACTINIAEAE								
....GOLENKINIA	1100	1	220	3	--	-	--	-
....MICRACTINIUM	--	-	430	5	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	3200	2	110	1	750	2	7700	1
....CHODATELLA	--	-	--	-	630	2	--	-
....KIRCHNERIELLA	--	-	400	5	--	-	*	0
....OOCYSTIS	--	-	110	1	--	-	--	-
....TREUBARIA	--	-	--	-	--	-	*	0
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	1000	3	--	-
....COELASTRUM	--	-	--	-	--	-	5600	1
...SCENEDESMUS	1400	1	1600#	20	1800	5	*	0
....TETRASTRUM	--	-	--	-	1000	3	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	72	1	250	1	*	0
....CHLOROGONIUM	--	-	--	-	--	-	*	0
...ZYGNEMATALES								
...DESMIDIACEAE								
....STAUSTRUM	*	0	--	-	--	-	--	-
CHRYSTOPHYTA								
..XANTHOPHYCEAE								
...MISCHOCOCCALES								
...SCIADACEAE								
....OPHIOCYTIUM	--	-	--	-	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....AGMENELLUM	86000#	52	1000	13	8000#	24	210000#	38
.....ANACYSTIS	9000	5	900	11	3500	11	110000#	20
...NOSTOCALES								
....HAMMATOIDEACEAE								
.....RAPHIDIOPSIS	--	-	--	-	--	-	30000	5
...NOSTOCACEAE								
....ANABAENA	18000	11	320	4	500	2	110000#	20
....ANABAENOPSIS	2200	1	--	-	--	-	--	-
....CYLINDROSPERMUM	9000	5	--	-	--	-	--	-
...OSCILLATORIALES								
....OSCILLATORIAEAE								
.....LYNGBYA	--	-	--	-	--	-	14000	3
....OSCILLATORIA	--	-	--	-	--	-	40000	7
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	--	-	--	-	--	-	*	0
....TRACHELOMONAS	--	-	320	4	500	2	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

RED RIVER BASIN

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK, NEAR ST. JOSEPH, LA

LOCATION.--Lat 31°57'40", long 91°12'10", in NW1/4SW1/4 sec.26, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, at State Park fishing pier, 3.5 mi northeast of St. Joseph.

DRAINAGE AREA.--21.4 mi².

PERIOD OF RECORD.--February 1959 to September 1964, November 1977 to current year (elevations only).

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

REMARKS.--Reservoir is formed from an oxbow lake by Routh ditch control structure at U.S. Highway 65. The 60.7-ft long weir has a crest elevation of 61.0 ft which can be raised to 63.0 ft by stop-logs. There are two 6-ft wide metal lift gates with an invert elevation of 56.2 ft. Area of lake is 3,000 acres at an elevation of 63.0 ft. Reservoir is used for recreation and public supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 66.04 ft May 23, 1983; minimum, 57.28 ft Jan. 2, 3, 4, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 66.04 ft May 23; minimum recorded, 58.79 ft Nov. 16, but may have been less during period of no gage-height record.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59.46	---	60.01	63.10	63.20	63.01	62.68	64.18	65.12	62.76	62.06	61.51
2	59.45	---	60.11	63.24	63.31	62.95	62.70	64.11	64.99	62.72	62.07	61.49
3	59.41	---	60.14	63.22	63.26	62.91	62.69	64.06	64.88	62.68	62.12	61.45
4	59.41	---	61.20	63.17	63.21	62.85	62.68	63.98	64.77	62.64	62.14	61.42
5	---	58.98	61.56	63.12	63.12	63.30	62.65	63.89	64.77	62.63	62.12	61.38
6	---	58.95	61.67	63.08	63.34	63.50	62.87	63.81	64.65	62.64	62.15	61.34
7	---	58.96	61.69	63.03	63.30	63.47	64.32	63.74	64.57	62.60	62.15	61.30
8	---	58.93	61.69	63.01	63.24	63.42	64.42	63.70	64.46	62.56	62.11	61.29
9	---	58.92	61.69	63.09	63.21	63.34	64.42	63.63	64.34	62.54	62.10	61.27
10	---	58.90	61.67	63.06	63.91	63.27	64.36	63.55	64.24	62.50	62.07	61.25
11	---	58.89	61.80	63.02	64.02	63.18	64.29	63.51	64.14	62.48	62.04	61.21
12	---	58.87	61.97	62.98	63.99	63.11	64.20	63.47	64.04	62.46	62.00	61.20
13	---	58.88	61.95	62.93	63.93	63.04	64.12	63.42	63.94	62.44	61.98	61.25
14	---	58.84	61.93	62.89	63.87	62.99	64.56	63.36	63.84	62.42	61.97	61.20
15	---	58.83	61.98	62.87	63.79	62.94	64.59	63.35	63.86	62.40	61.95	61.16
16	---	58.81	61.99	62.81	63.72	62.89	64.51	63.82	63.76	62.39	61.91	61.13
17	---	58.85	61.97	62.77	63.64	62.87	64.42	63.80	63.68	62.38	61.89	61.10
18	---	58.93	61.96	62.75	63.56	62.83	64.36	63.76	63.58	62.36	61.86	61.09
19	---	59.03	61.96	62.70	63.48	62.79	64.28	64.06	63.48	62.35	61.84	61.09
20	---	59.13	61.94	62.80	63.41	62.79	64.20	64.72	63.38	62.37	61.82	61.11
21	---	59.15	61.94	62.90	63.34	62.77	64.12	65.36	63.27	62.34	61.79	61.11
22	---	59.12	61.94	62.86	63.43	62.73	64.05	65.96	63.22	62.32	61.76	61.05
23	---	59.12	61.94	62.83	63.39	62.71	64.63	66.02	63.14	62.30	61.73	61.02
24	---	59.19	61.94	62.78	63.31	62.87	64.73	65.99	63.10	62.27	61.71	60.99
25	---	59.17	61.97	62.78	63.25	62.84	64.68	65.90	63.07	62.25	61.68	60.96
26	---	59.14	62.00	62.73	63.18	62.81	64.60	65.80	63.02	62.23	61.65	60.93
27	---	59.16	62.70	62.73	63.10	62.83	64.51	65.69	62.94	62.20	61.63	60.91
28	---	59.66	63.16	62.68	63.06	62.79	64.43	65.58	62.88	62.18	61.63	60.88
29	---	59.72	63.19	62.73	---	62.75	64.34	65.46	62.79	62.16	61.58	60.87
30	---	59.76	63.15	62.70	---	62.73	64.25	65.36	62.78	62.14	61.57	60.84
31	---	---	63.11	62.69	---	62.70	---	65.24	---	62.11	61.54	---
MAX	---	59.76	63.19	63.24	64.02	63.50	64.73	66.02	65.12	62.76	62.15	61.51
MIN	---	58.81	60.01	62.68	63.06	62.70	62.65	63.35	62.78	62.11	61.54	60.84

NOTE.--No elevation record Oct. 5 to Nov. 4.

07369700 BAYOU MACON NEAR KILBOURNE, LA

LOCATION.--Lat 32°59'35", long 91°15'45", in SW1/4SE1/4 sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi south of Arkansas-Louisiana State line, and 3.0 mi east of Kilbourne.

DRAINAGE AREA.--504 mi² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft³/s only). October 1973 to current year (daily gage heights and daily discharges below 200 ft³/s only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft higher.

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.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 508 ft³/s, 368,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,740 ft³/s May 5, 1958; maximum gage height, 26.73 ft Mar. 17, 1973; no flow June 11, 1963, result of pumping for irrigation.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 25.22 ft Dec. 28; minimum daily discharge, 58 ft³/s Aug. 26.

CORRECTIONS.--Corrected figures of discharge, in cubic feet per second for water year 1982, superseding figures published in WDR-LA-82-1, are given below:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Sept. 9	152	Sept. 18	147	Sept. 23	134	Sept. 27	129
Sept. 10	147	Sept. 19	144	Sept. 24	132	Sept. 28	129
Sept. 11	151	Sept. 20	143	Sept. 25	131	Sept. 29	129
Sept. 16	167	Sept. 21	139	Sept. 26	130	Sept. 30	131
Sept. 17	150	Sept. 22	136				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	130				---	188			---	187	85
2	131	132				---	---			---	188	95
3	131	134				---	---			---	190	100
4	131	132				---	191			---	192	110
5	130	130				---	---			---	187	120
6	130	130				---	---			---	184	130
7	---	129				---	---			---	191	135
8	---	129				---	---			---	197	130
9	---	128				---	---			---	190	126
10	---	128				---	---			196	195	113
11	---	105				---	---			---	195	100
12	---	80				---	---			---	194	111
13	---	76				---	---			---	175	126
14	---	76				---	---			---	171	127
15	---	76				---	---			---	172	109
16	---	76				---	---			---	164	102
17	---	84				---	---			---	160	100
18	---	108				---	---			---	177	99
19	---	144				---	---			---	172	116
20	---	---				---	---			---	162	181
21	---	---				---	---			---	162	---
22	---	---				---	---			---	162	172
23	---	---				---	---			---	155	135
24	---	---				---	---			---	144	113
25	---	---				---	---			186	117	101
26	---	---				---	---			185	58	95
27	141	---				---	---			191	60	90
28	130	---				---	---			199	65	105
29	133	---				---	---			---	70	177
30	132	---				---	---			---	72	---
31	131	---				193	---			186	75	---
TOTAL	---	---				---	---			---	4783	---
MEAN	---	---				---	---			---	154	---
MAX	---	---				---	---			---	197	---
MIN	130	-76				193	188			185	58	85

RED RIVER BASIN

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.20	2.29	---	24.04	12.05	8.21	2.88	4.96	9.56	3.97	2.89	---
2	2.19	2.31	---	23.82	11.51	7.96	3.38	4.80	8.10	3.68	2.90	---
3	2.20	2.34	---	23.43	9.83	7.76	3.29	5.60	7.09	3.49	2.92	---
4	2.19	2.31	---	22.74	---	8.18	2.91	5.68	7.47	3.48	2.94	---
5	2.19	2.29	---	21.66	---	17.98	3.29	5.16	7.50	3.46	2.89	---
6	2.19	2.28	---	20.11	19.27	18.29	5.25	5.03	6.90	3.38	2.86	---
7	4.35	2.27	---	18.53	17.29	16.30	9.24	5.07	6.65	3.28	2.93	---
8	9.45	2.27	21.34	18.17	15.59	15.36	16.83	5.22	6.57	3.17	2.99	2.31
9	9.78	2.26	20.14	17.99	17.39	14.68	16.44	5.03	5.49	3.07	2.92	2.26
10	9.99	2.26	18.95	16.60	22.76	13.96	14.67	5.06	4.23	2.98	2.97	2.12
11	10.25	2.01	21.63	15.37	22.08	13.07	13.35	4.90	4.20	3.02	2.97	1.97
12	13.13	1.73	22.70	14.38	19.99	11.93	12.10	4.73	4.21	3.06	2.96	2.09
13	18.51	1.69	21.37	13.54	18.05	10.74	11.07	4.65	4.22	3.04	2.78	2.26
14	16.98	1.68	20.02	12.84	16.49	9.66	12.21	4.59	4.18	3.08	2.74	2.28
15	14.05	1.69	20.88	12.15	15.20	8.96	9.94	7.20	4.10	3.03	2.74	2.07
16	11.14	1.69	21.32	11.33	14.12	8.63	8.20	11.49	4.20	3.08	2.66	2.00
17	8.62	1.77	20.09	10.49	13.04	8.45	7.27	9.18	4.20	3.84	2.62	1.98
18	7.01	2.04	19.24	9.80	11.80	8.13	6.77	7.33	5.15	3.70	2.79	1.96
19	6.25	2.44	18.55	9.22	10.57	5.71	5.67	13.16	6.14	3.64	2.74	2.15
20	5.90	5.51	17.73	9.30	9.51	4.14	5.02	18.20	4.51	3.54	2.64	2.83
21	5.65	5.89	16.76	9.80	8.89	3.95	4.84	21.66	4.07	3.32	2.64	3.74
22	5.52	4.44	15.75	9.26	11.10	3.47	6.91	21.44	3.91	3.14	2.64	2.74
23	5.40	5.62	14.79	8.79	10.70	3.56	12.80	19.71	4.92	3.11	2.57	2.36
24	5.31	8.20	13.89	---	9.76	5.28	9.71	18.35	4.76	3.03	2.47	2.11
25	5.25	6.56	13.76	---	9.21	4.71	6.80	17.32	7.75	2.88	2.16	1.98
26	3.89	5.72	20.41	8.11	8.83	4.21	5.97	16.39	5.73	2.87	1.45	1.91
27	2.40	8.75	24.69	7.99	8.54	4.19	5.62	15.58	5.98	2.93	---	1.86
28	2.29	17.03	25.18	7.85	8.39	3.92	5.37	14.48	4.35	3.01	---	2.02
29	2.32	16.43	24.91	5.58	---	3.74	5.19	13.53	4.01	3.12	---	2.79
30	2.31	15.05	24.55	3.35	---	3.30	5.07	12.47	4.04	3.05	---	4.14
31	2.30	---	24.29	3.21	---	2.93	---	11.09	---	2.88	---	---
MAX	18.51	17.03	25.18	24.04	22.76	18.29	16.83	21.66	9.56	3.97	2.99	4.14
MIN	2.19	1.68	13.76	3.21	8.39	2.93	2.88	4.59	3.91	2.87	1.45	---

RED RIVER BASIN

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07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 07...	1200	308	6.3	23.5	30	150	7.4	2.3
JAN 05...	1200	66	5.9	6.0	100	200	9.7	1.3
APR 13...	1115	131	6.8	15.5	60	210	8.9	1.3
JUL 13...	1050	718	7.2	29.5	5	10	6.5	1.7

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 07...	K7200	>20000	97	25	8.4	14	5.6	81	13
JAN 05...	240	--	23	5.9	1.9	2.2	2.2	24	2.6
APR 13...	110	680	49	13	4.0	4.9	2.4	46	10
JUL 13...	K60	540	240	61	21	45	3.1	187	54

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 07...	29	.3	7.7	151	152	.6	1.0	.35
JAN 05...	2.7	<.1	4.2	71	36	.4	.5	.59
APR 13...	4.7	.1	5.9	98	73	.7	1.1	.41
JUL 13...	73	.2	16	459	385	.7	1.2	.30

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

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

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

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
OCT 07...	4	<1	1	<1	4	<1	7	10	39	11000	4	20
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	29	380	.2	<.01	24	40	<.01	1	<.1	<1	<.1	<1
DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<.01	<.1	<.1	<1	<.01	.4	<.01	.5	<.01	.2	<.01	<.1
DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 07...	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 07...	<.01	<.1	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	.25	<.01

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

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE1/4SE1/4 sec. 18, T.17 N., R.10 E., Madison-Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782 mi².

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

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

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

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--48 years, 995 ft³/s, 720,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft³/s Jan. 21, 1979; maximum gage height, 26.00 ft May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, result of temporary dam.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,350 ft³/s May 20; maximum gage height, 25.49 ft May 21; minimum discharge, 76 ft³/s Aug. 26, 29, 30, gage height, 7.36 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	239	5770	7760	3250	1290	334	538	1500	377	137	88
2	164	236	6410	7670	4050	1250	404	522	1120	360	151	94
3	164	236	6300	7340	3140	1170	362	522	1200	309	172	104
4	161	225	7000	6940	2430	1350	345	584	1790	243	187	123
5	158	222	8000	6510	3020	5090	384	621	2100	240	225	202
6	164	220	8320	5970	5610	6750	1300	540	1310	235	242	195
7	912	218	7920	5350	6190	6200	2520	529	977	223	248	190
8	3300	215	7680	5400	5260	4790	3610	561	982	186	267	198
9	4260	217	7370	5570	4650	3620	4300	580	784	170	214	195
10	4010	215	7000	4960	6940	2910	3830	537	647	173	156	180
11	3680	207	7800	4160	7490	2580	3180	527	462	166	152	170
12	3640	211	7700	3450	7060	2400	2830	509	420	155	154	158
13	5690	180	7600	2930	6350	2230	2660	479	400	177	173	146
14	6410	161	7500	2580	5320	1970	3480	479	380	186	199	144
15	5930	157	7300	2380	4270	1500	3430	1320	370	177	192	132
16	4660	149	7000	2240	3460	1330	2560	3670	360	196	157	127
17	2700	205	6870	2100	2860	1240	2040	3530	350	333	121	119
18	2050	650	6130	1960	2510	1180	1550	2720	370	398	104	124
19	2150	636	5400	1800	2300	1120	935	6080	436	449	110	150
20	1410	1220	4750	1900	2140	848	731	8520	590	363	140	300
21	968	1610	4220	2410	2050	593	608	8470	406	281	160	432
22	848	1100	3740	2210	3200	506	566	8060	346	206	177	447
23	765	837	3310	1830	2920	541	1040	7460	620	185	136	336
24	723	2050	3020	1430	2540	1670	2110	7490	968	207	108	234
25	688	1930	3050	1290	2250	1650	1680	6950	1370	218	84	186
26	660	1200	7120	1240	1600	1040	1010	6210	1780	199	79	161
27	527	1660	8000	1190	1360	1000	747	5320	1940	168	83	148
28	340	4880	8800	1140	1300	738	654	4450	1370	131	79	138
29	285	5730	8750	1090	---	538	602	3720	723	134	81	137
30	261	5120	8310	812	---	452	565	3250	488	145	77	185
31	249	---	7930	582	---	386	---	2370	---	141	80	---
TOTAL	58088	32136	206070	104194	105520	59932	50367	97118	26559	7131	4645	5543
MEAN	1874	1071	6647	3361	3769	1933	1679	3133	885	230	150	185
MAX	6410	5730	8800	7760	7490	6750	4300	8520	2100	449	267	447
MIN	158	149	3020	582	1300	386	334	479	346	131	77	88
AC=FT	115200	63740	408700	206700	209300	118900	99900	192600	52680	14140	9210	10990
CAL YR 1982 TOTAL	449952			1233	MAX 8800	MIN 18	AC=FT	892500				
WTR YR 1983 TOTAL	757303			MEAN 2075	MAX 8800	MIN 77	AC=FT	1502000				

NOTE.--Indefinite stage discharge relation Dec. 4, 5.

RED RIVER BASIN

07370000 BAYOU MACON NEAR DELHI, LA

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.87	8.10	21.23	24.47	12.68	9.59	8.28	8.63	16.20	8.36	7.83	7.48
2	7.88	8.09	22.25	24.39	15.75	9.54	8.41	8.60	14.59	8.33	7.88	7.53
3	7.88	8.09	22.47	24.05	14.97	9.46	8.34	8.60	12.91	8.24	7.94	7.59
4	7.87	8.06	22.99	23.60	13.01	9.69	8.31	8.69	12.07	8.11	7.99	7.71
5	7.86	8.05	23.88	23.06	12.92	16.15	8.37	8.74	12.89	8.10	8.08	8.00
6	7.88	8.05	25.02	22.40	18.33	20.43	9.61	8.63	11.85	8.09	8.11	7.98
7	9.14	8.04	24.77	21.59	19.89	20.73	11.28	8.61	10.38	8.06	8.13	7.97
8	12.57	8.04	24.48	21.32	19.35	19.65	13.54	8.66	9.28	7.95	8.15	7.99
9	14.42	8.04	24.08	21.36	18.72	18.09	16.16	8.69	8.98	7.90	8.03	7.98
10	14.96	8.04	---	20.72	21.62	16.52	16.17	8.62	8.78	7.91	7.85	7.93
11	15.01	8.02	---	19.65	22.64	15.01	14.89	8.61	8.50	7.89	7.84	7.90
12	14.91	8.03	---	18.39	22.57	13.54	13.29	8.58	8.43	7.85	7.85	7.86
13	18.76	7.93	---	17.16	22.07	12.03	11.91	8.53	7.79	7.92	7.91	7.82
14	20.33	7.87	---	15.96	21.11	10.59	15.07	8.53	---	7.95	7.99	7.81
15	20.25	7.86	---	14.80	19.77	9.83	16.34	9.65	---	7.92	7.97	7.76
16	18.89	7.83	---	13.70	18.27	9.63	14.74	13.49	---	8.01	7.86	7.74
17	16.70	7.99	22.83	12.59	16.76	9.53	12.48	14.69	8.02	8.33	7.70	7.69
18	14.32	8.78	22.10	11.47	15.22	9.47	10.23	13.37	8.55	8.48	7.60	7.72
19	11.94	8.77	21.16	10.48	13.62	9.39	9.17	20.24	8.65	8.58	7.64	7.83
20	9.72	9.50	20.09	10.36	11.93	9.06	8.90	24.29	8.90	8.47	7.79	8.21
21	9.21	9.96	18.99	11.36	10.68	8.70	8.73	25.37	8.61	8.30	7.87	8.45
22	9.06	9.37	17.87	11.09	13.12	8.58	8.67	25.43	8.51	8.13	7.92	8.48
23	8.95	9.04	16.71	10.27	13.89	8.62	9.28	25.18	8.93	8.06	7.77	8.29
24	8.89	10.56	15.50	9.75	12.67	10.06	10.65	24.96	9.38	8.12	7.62	8.08
25	8.84	10.40	14.87	9.59	11.10	10.02	10.06	24.38	9.82	8.14	7.44	7.95
26	8.80	9.48	21.13	9.53	9.96	9.30	9.26	23.81	10.26	8.09	7.39	7.87
27	8.61	10.15	---	9.48	9.67	9.25	8.92	22.86	10.45	7.97	7.43	7.83
28	8.30	15.72	---	9.42	9.60	8.91	8.79	21.69	9.72	7.84	7.39	7.79
29	8.19	18.56	25.20	9.37	---	8.62	8.72	20.40	8.89	7.84	7.41	7.78
30	8.14	18.85	24.97	9.01	---	8.48	8.66	19.10	8.55	7.88	7.37	7.95
31	8.12	---	24.69	8.68	---	8.38	---	17.70	---	7.85	7.40	---
MAX	20.33	18.85	---	24.47	22.64	20.73	16.34	25.43	16.20	8.58	8.15	8.48
MIN	7.86	7.83	14.87	8.68	9.60	8.38	8.28	8.53	---	7.84	7.37	7.48

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in NW1/4SW1/4 sec. 8, T. 14 N., R. 4 W., Bienville-Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 mi downstream from McDonald Creek, and 5.4 mi west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi².

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

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

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

REMARKS.--Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Records of dissolved oxygen and water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years (water years 1939-57, 1978-83), 416 ft³/s, 301,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s Dec. 28, 1982, gage height, 21.20 ft; minimum gage height, 2.67 ft Sept. 26, 1955. Minimum discharge observed, 0.4 ft³/s Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 6	0800	3140	13.25	Feb. 10	2130	8320	15.63
Dec. 18	0030	4050	13.83	Feb. 24	0130	4280	13.96
Dec. 28	unknown	*41500	*21.20	May 21	1430	8530	15.70
Feb. 7	1100	5240	14.44				

Minimum discharge, 5.7 ft³/s Aug. 27; minimum gage height, 2.92 ft Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	24	971	2000	793	650	459	131	210	217	7.9	8.1
2	11	33	1440	1570	2030	506	396	118	180	130	7.4	8.0
3	11	35	1490	1350	2650	417	404	112	154	93	7.3	8.3
4	12	31	2300	1100	2460	373	461	111	130	71	7.6	9.0
5	13	26	2880	944	2020	563	572	186	108	56	7.8	9.2
6	12	23	3070	798	3620	1060	1260	266	104	43	16	9.8
7	12	22	2550	657	5050	1450	1820	179	157	33	30	10
8	14	20	1790	565	3880	1570	2120	125	178	26	41	11
9	19	19	1200	507	2940	1250	1620	113	135	33	50	12
10	22	18	803	475	6680	870	1110	166	98	44	38	11
11	20	18	636	482	7260	593	789	196	75	34	27	9.8
12	43	18	786	500	4470	421	574	256	62	29	25	10
13	119	21	1430	461	2700	327	423	370	54	25	21	13
14	153	27	2340	375	1790	278	349	437	47	22	18	13
15	206	27	2790	302	1240	248	324	466	43	20	17	12
16	158	27	3150	257	925	228	295	490	40	19	14	10
17	78	34	3520	228	712	223	243	487	37	18	8.7	9.2
18	44	50	3660	203	564	229	188	511	124	17	7.8	9.8
19	32	53	2530	187	461	239	157	952	142	18	8.5	11
20	26	83	1670	184	390	260	144	4220	95	17	8.8	13
21	25	106	1130	239	421	333	143	8250	86	18	8.4	15
22	21	99	799	326	2100	393	167	7680	68	28	8.2	16
23	16	114	580	383	3900	444	227	5340	60	45	8.2	13
24	15	143	448	394	3990	768	325	3500	57	31	8.0	10
25	15	139	448	355	2770	1210	436	2260	63	23	8.0	8.8
26	15	192	2250	330	1770	1350	546	1440	102	19	7.8	9.4
27	16	305	14800	347	1200	1400	489	942	138	14	7.8	11
28	16	520	36500	334	870	1150	306	612	185	9.7	7.8	12
29	21	647	16700	291	---	905	195	402	330	8.2	8.0	11
30	29	684	5770	248	---	765	150	298	361	7.9	8.1	10
31	27	---	2970	238	---	584	---	248	---	7.8	9.7	---
TOTAL	1231	3558	123401	16630	69656	21057	16692	40864	3623	1176.6	458.8	323.4
MEAN	39.7	119	3981	536	2488	679	556	1318	121	38.0	14.8	10.8
MAX	206	684	36500	2000	7260	1570	2120	8250	361	217	50	16
MIN	10	18	448	184	390	223	143	111	37	7.8	7.3	8.0
AC-FT	2440	7060	244800	32990	138200	41770	33110	81050	7190	2330	910	641
CAL YR 1982 TOTAL	174663.7			MEAN 479	MAX 36500	MIN 7.2	AC-FT 346400					
WTR YR 1983 TOTAL	298670.8			MEAN 818	MAX 36500	MIN 7.3	AC-FT 592400					

RED RIVER BASIN

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.40	4.09	11.05	12.34	10.51	10.26	9.48	6.43	7.64	7.66	3.29	3.30
2	3.44	4.39	11.77	11.92	12.36	9.71	9.12	6.19	7.24	6.40	3.27	3.30
3	3.46	4.46	11.83	11.65	12.88	9.24	9.16	6.07	6.83	5.67	3.26	3.32
4	3.51	4.37	12.59	11.29	12.73	8.97	9.49	6.05	6.40	5.18	3.27	3.35
5	3.54	4.21	13.06	10.99	12.36	9.91	9.96	7.24	5.99	4.81	3.29	3.37
6	3.50	4.16	13.20	10.68	13.54	11.18	11.50	8.18	5.91	4.47	3.59	3.40
7	3.48	4.45	12.80	10.29	14.35	11.78	12.17	7.20	6.88	4.17	4.06	3.42
8	3.60	4.41	12.14	9.97	13.72	11.92	12.45	6.32	7.22	3.95	4.40	3.46
9	3.77	4.28	11.43	9.73	13.09	11.52	11.97	6.07	6.49	4.15	4.65	3.51
10	3.88	4.24	10.68	9.57	14.99	10.83	11.30	7.01	5.76	4.48	4.30	3.46
11	3.83	4.23	10.22	9.60	15.25	10.06	10.65	7.47	5.28	4.20	3.99	3.40
12	4.48	4.18	10.63	9.70	14.04	9.26	9.99	8.07	4.98	4.06	3.92	3.41
13	6.19	4.27	11.73	9.49	12.92	8.66	9.27	8.95	4.79	3.91	3.76	3.53
14	6.81	4.42	12.63	8.98	12.14	8.28	8.82	9.36	4.61	3.79	3.64	3.55
15	7.59	4.37	12.99	8.48	11.50	8.03	8.65	9.52	4.49	3.73	3.60	3.51
16	6.88	4.35	13.26	8.11	10.95	7.84	8.43	9.64	4.43	3.68	3.52	3.43
17	5.33	4.49	13.50	7.83	10.45	7.78	7.97	9.63	4.34	3.65	3.23	3.36
18	4.53	4.85	13.59	7.56	9.96	7.85	7.35	9.74	6.26	3.62	3.18	3.40
19	4.20	4.88	12.78	7.36	9.49	7.94	6.89	10.97	6.62	3.64	3.33	3.45
20	4.01	5.49	12.02	7.31	9.08	8.13	6.67	13.70	5.71	3.62	3.34	3.54
21	4.00	5.94	11.32	7.92	9.21	8.71	6.64	15.61	5.51	3.63	3.32	3.65
22	3.85	5.81	10.67	8.65	12.26	9.10	7.04	15.41	5.11	3.99	3.29	3.68
23	3.68	6.11	10.01	9.04	13.74	9.39	7.82	14.47	4.93	4.51	3.28	3.53
24	3.65	6.64	9.42	9.10	13.79	10.56	8.64	13.48	4.83	4.10	3.27	3.42
25	3.65	6.57	9.41	8.85	12.97	11.46	9.35	12.56	4.99	3.83	3.13	3.34
26	3.67	7.38	12.16	8.69	12.12	11.66	9.89	11.76	5.84	3.68	2.96	3.37
27	3.68	8.46	16.98	8.81	11.43	11.73	9.62	10.98	6.55	3.53	3.08	3.46
28	3.69	9.77	20.62	8.72	10.83	11.36	8.49	10.12	7.23	3.38	3.26	3.48
29	3.87	10.26	17.55	8.39	---	10.92	7.43	9.14	8.68	3.31	3.30	3.44
30	4.22	10.38	14.62	8.02	---	10.59	6.76	8.45	8.89	3.29	3.31	3.42
31	4.16	---	13.11	7.91	---	10.03	---	8.02	---	3.29	3.39	---
MAX	7.59	10.38	20.62	12.34	15.25	11.92	12.45	15.61	8.89	7.66	4.65	3.68
MIN	3.40	4.09	9.41	7.31	9.08	7.78	6.64	6.05	4.34	3.29	2.96	3.30

RED RIVER BASIN

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07372190 LITTLE RIVER AT ROCHELLE, LA

LOCATION.--Lat 31°47'35", long 92°21'42", in NW1/4NW1/4 sec. 3, T.9 N., R.1 E. (revised), Grant - La Salle Parish line, Hydrologic Unit 08040304, near center of channel on downstream side of bridge on U.S. Highway 165, at Rochelle, 0.2 mi downstream from confluence of Castor Creek and Dugdemona River, and 5.3 mi upstream from gaging station Little River near Rochelle (station 07372200).

DRAINAGE AREA.--1,892 mi².

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Gage heights October 1938 to November 1946, February 1948 to September 1957 in files of Corps of Engineers. Unpublished records from October 1957 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Nonrecording gage read twice daily. Datum of gage is 24.79 ft National Geodetic Vertical Datum of 1929. Prior to May 9, 1960, nonrecording gage 0.1 mi upstream at same datum. May 9, 1960 to Jan. 3, 1983 water-stage recorder.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 48.71 ft from floodmark, Dec. 29, 1982; minimum, 6.64 ft Sept. 25, 26, 27, 1980, Oct. 6, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1938, 50.90 ft May 19, 1953, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 48.71 ft from floodmark, Dec. 29; minimum gage height, 6.65 ft, Oct. 6, 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.79	7.37	31.16	44.60	30.28	35.33	29.91	17.10	34.13	17.65	7.63	6.90
2	6.75	7.45	32.94	42.21	32.74	34.79	29.00	18.42	33.14	16.90	7.61	6.90
3	6.72	8.31	34.57	40.45	34.17	33.77	28.10	18.32	31.92	16.28	7.63	---
4	6.69	8.43	36.44	38.35	34.90	33.02	27.29	17.97	30.70	15.61	7.58	---
5	6.67	8.54	37.35	36.86	35.29	32.86	26.86	17.60	29.77	14.93	7.48	---
6	6.66	8.56	37.57	35.93	35.43	33.72	28.18	17.30	28.88	14.08	7.41	---
7	6.66	8.45	37.17	35.09	35.59	34.35	30.96	17.14	28.87	13.20	8.40	---
8	6.75	8.29	36.52	34.33	35.72	34.83	33.37	17.06	28.50	12.27	8.55	---
9	6.98	8.25	35.89	33.83	35.98	34.76	34.06	16.87	28.09	11.70	8.26	---
10	11.34	8.25	35.29	33.16	36.52	34.34	34.62	17.00	27.56	11.03	9.07	---
11	11.25	8.14	34.84	32.42	37.30	33.57	34.71	17.09	26.98	10.32	9.13	---
12	11.04	7.97	34.59	31.61	37.92	32.48	34.49	17.00	26.42	9.80	8.62	6.90
13	12.28	7.83	34.44	30.92	38.15	31.14	34.25	17.12	25.90	9.44	8.02	6.90
14	12.56	7.73	34.21	30.17	38.18	29.56	35.23	18.52	25.52	8.99	7.20	6.89
15	12.17	7.65	34.10	29.20	37.63	27.87	35.59	24.70	25.22	8.63	6.85	6.88
16	11.96	7.57	34.25	28.00	36.84	26.05	35.60	28.48	24.95	8.42	6.90	6.91
17	12.54	7.73	34.31	27.59	36.05	24.46	35.04	33.64	25.88	8.32	6.97	6.92
18	13.00	8.23	31.13	27.91	35.34	22.93	34.12	37.41	25.35	8.28	6.95	6.99
19	13.09	11.15	33.87	27.59	34.40	21.86	32.88	39.03	24.00	8.12	6.81	7.12
20	13.01	15.84	33.61	27.28	33.38	21.16	31.06	40.83	23.25	8.23	6.78	7.32
21	12.62	16.86	33.33	28.02	32.28	20.70	28.98	43.18	22.88	8.18	7.42	7.48
22	11.89	15.36	33.12	28.64	32.42	20.51	26.97	45.60	22.49	8.21	7.48	7.51
23	11.01	14.13	32.91	28.29	33.57	21.33	26.98	46.27	22.08	8.28	7.31	7.52
24	10.01	16.82	32.61	27.60	34.72	27.48	29.08	45.28	21.62	8.27	7.28	7.44
25	9.08	17.62	32.30	27.12	35.68	29.87	29.12	43.37	21.09	8.32	7.21	7.38
26	8.46	16.62	34.77	26.89	36.10	30.73	27.46	41.41	20.62	8.50	7.10	7.32
27	8.08	18.70	40.34	26.58	36.08	31.27	25.31	39.40	20.23	8.40	7.06	7.25
28	7.83	26.68	46.75	26.13	35.72	31.61	23.40	37.98	19.71	8.15	7.03	7.22
29	7.65	28.28	48.67	25.77	---	31.50	20.65	36.72	19.04	7.97	7.02	7.22
30	7.51	28.85	48.00	25.48	---	31.16	17.84	35.74	18.57	7.89	6.99	7.30
31	7.42	---	46.66	25.41	---	30.65	---	34.97	---	7.75	6.93	---
MAX	13.09	28.85	48.67	44.60	38.18	35.33	35.60	46.27	34.13	17.65	9.13	7.52
MIN	6.66	7.37	31.13	25.41	30.28	20.51	17.84	16.87	18.57	7.75	6.78	---

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in SW1/4SW1/4 sec.14, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Co. bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

DRAINAGE AREA.--1,899 mi².

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good, except for periods of indefinite stage-discharge relation, which are fair. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Records of dissolved oxygen and water temperatures for water 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 2,122 ft³/s, 15.17 in/yr, 1,573,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s Dec. 29, 1982, gage height, 45.88 ft, from flood mark; minimum discharge, 9.6 ft³/s Sept. 26, 27, 1980, gage height, 4.87 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 108,000 ft³/s Dec. 29, gage height, 45.88 ft, from flood mark; minimum discharge, 16 ft³/s Oct. 6, 7, gage height, 4.88 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	51	5780	62500	5000	9950	5150	1100	8340	800	70	26
2	20	50	6910	44100	6750	9110	4720	950	7070	640	66	25
3	19	55	8720	33400	8120	7850	4370	880	5480	540	70	25
4	18	81	12700	22000	9070	6940	4080	840	4000	450	77	26
5	17	110	16300	15200	9700	6770	3930	790	3200	400	67	25
6	16	118	17900	12100	10100	7720	4370	760	2950	360	59	25
7	17	121	16200	9900	10500	8390	5630	740	2890	320	114	24
8	19	110	13600	8610	11000	8980	7200	700	2560	290	113	24
9	21	100	11700	7980	11500	9010	8080	670	2380	260	112	23
10	188	100	10100	7120	12000	8490	8800	650	2120	250	123	23
11	410	95	9240	6200	12000	7540	8880	640	1800	227	167	23
12	387	84	8860	5400	11500	6560	8630	620	1200	196	170	22
13	500	74	8610	4860	13000	5600	8350	900	782	192	135	22
14	578	68	8280	4230	16000	4540	9970	1620	760	162	110	22
15	526	62	8130	3850	18400	3730	10600	2580	740	142	120	22
16	501	58	8300	3550	14800	2960	10400	4350	762	134	110	23
17	556	67	8380	3300	12200	2520	9460	6940	1880	130	90	23
18	626	104	8160	3150	10200	2100	8260	15000	1830	125	74	26
19	653	323	7820	3090	8680	1750	6790	26000	1100	110	64	32
20	646	1110	7500	2580	7380	1500	5280	36900	900	110	60	41
21	584	1300	7200	2980	6350	1430	4030	54700	800	104	55	47
22	468	996	7030	3200	6490	1500	3440	75000	740	108	51	50
23	356	810	6890	3150	7480	2000	3400	81700	700	109	45	50
24	249	1270	6680	3050	8830	3700	4000	71100	720	107	42	49
25	173	1490	6470	2830	10300	4940	4240	53100	740	109	41	45
26	137	1280	9710	2820	11500	5450	3340	39300	820	116	37	42
27	111	1730	33600	2760	11600	5810	2790	27400	871	117	33	39
28	89	3910	86800	2600	10900	6050	2800	20200	895	103	30	36
29	74	4450	106000	2440	---	5980	1980	14500	795	90	28	35
30	64	4720	92000	2380	---	5780	1400	11500	949	83	27	37
31	57	---	82300	2310	---	5520	---	9560	---	78	26	---
TOTAL	8102	24897	647870	293640	291350	170170	174370	561690	60774	6962	2386	932
MEAN	261	830	20900	9472	10410	5489	5812	18120	2026	225	77.0	31.1
MAX	653	4720	106000	62500	18400	9950	10600	81700	8340	800	170	50
MIN	16	50	5780	2310	5000	1430	1400	620	700	78	26	22
CFSM	.14	.44	11.0	4.99	5.48	2.89	3.06	9.54	1.07	.12	.04	.02
IN.	.16	.49	12.69	5.75	5.71	3.33	3.42	11.00	1.19	.14	.05	.02
AC-FT	16070	49380	1285000	582400	577900	337500	345900	1114000	120500	13810	4730	1850

CAL YR 1982 TOTAL 960504 MEAN 2632 MAX 106000 MIN 16 CFSM 1.39 IN 18.82 AC-FT 1905000
WTR YR 1983 TOTAL 2243143 MEAN 6146 MAX 106000 MIN 16 CFSM 3.24 IN 43.94 AC-FT 4449000

NOTE.--Indefinite stage-discharge relation, Jan. 15-17, 30, Mar. 19-20, Apr. 23, 24, Apr. 30 to May 13, June 14, 15, 19-24, July 1-10.

RED RIVER BASIN

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07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.04	5.71	28.31	42.45	28.00	32.03	27.06	18.41	31.33	17.38	6.05	5.14
2	5.00	5.63	29.72	40.27	29.75	31.46	26.32	18.20	30.64	16.57	5.96	5.13
3	4.97	5.59	30.97	38.11	30.58	30.79	25.37	18.00	29.98	15.73	6.07	5.13
4	4.94	6.01	33.09	36.22	31.19	30.04	24.54	17.75	29.28	14.92	6.31	5.17
5	4.91	6.44	34.32	34.62	31.61	30.05	24.14	17.47	28.59	14.19	6.08	5.16
6	4.89	6.57	34.87	33.31	32.02	30.55	25.53	17.25	28.19	13.44	5.90	5.14
7	4.91	6.67	34.53	32.30	32.22	30.84	28.11	17.05	28.04	12.65	6.57	5.12
8	4.96	---	33.76	31.55	---	31.15	29.61	16.93	27.81	11.83	6.50	5.11
9	4.99	6.39	32.92	31.02	---	31.33	30.69	16.77	27.45	11.10	6.62	5.11
10	6.84	6.39	32.16	30.58	---	31.03	31.14	16.70	27.00	10.45	6.50	5.08
11	9.64	6.33	31.64	30.12	---	30.40	31.17	16.72	26.57	9.83	7.11	5.01
12	9.25	6.20	31.33	29.64	---	29.58	31.04	16.73	26.17	9.31	7.25	5.03
13	9.61	6.05	31.09	29.16	---	28.62	30.92	16.79	25.79	8.80	6.88	5.02
14	10.58	5.95	30.84	28.67	---	27.49	32.14	16.97	25.44	8.35	6.64	5.02
15	10.56	5.86	30.71	28.13	35.12	26.08	32.29	19.61	25.12	7.92	6.66	5.03
16	10.17	5.79	30.81	27.60	34.21	24.57	32.18	26.12	24.83	7.57	6.57	5.04
17	10.08	5.93	30.86	27.11	33.20	23.13	31.68	29.02	25.29	7.27	6.38	5.05
18	10.58	6.48	30.72	26.72	32.24	21.82	30.96	33.69	24.75	7.00	6.08	5.13
19	10.93	10.45	30.49	26.38	31.35	20.64	30.04	36.49	23.87	6.75	5.92	5.28
20	10.98	14.25	30.24	26.41	30.45	19.97	28.89	38.21	23.33	6.61	5.83	5.46
21	10.90	15.33	30.00	26.99	29.61	19.99	27.27	40.30	22.87	6.52	5.74	5.56
22	10.54	13.94	29.81	27.13	29.59	19.71	25.16	42.49	22.42	6.58	5.65	5.62
23	9.90	12.37	29.65	26.88	30.26	20.03	26.59	43.31	21.99	6.55	5.56	5.62
24	9.15	14.23	29.44	26.43	31.03	25.57	27.56	42.73	21.48	6.53	5.50	5.61
25	8.31	15.56	29.27	26.03	31.96	27.44	27.23	41.24	20.89	6.53	5.49	5.54
26	7.48	14.70	31.63	25.77	32.57	28.05	25.97	39.35	20.32	6.57	5.42	5.48
27	6.87	16.28	37.42	25.45	32.68	28.42	23.86	37.44	19.95	6.64	5.31	5.42
28	6.45	23.79	43.59	25.05	32.46	28.50	21.40	35.73	19.38	6.51	5.25	5.36
29	6.16	25.53	45.64	24.81	---	28.35	19.57	34.25	18.74	6.33	5.20	5.35
30	5.99	25.92	---	24.83	---	28.07	18.74	33.03	18.12	6.24	5.18	5.36
31	5.83	---	44.25	24.46	---	27.63	---	32.09	---	6.17	5.15	---
MAX	10.98	25.92	45.64	42.45	---	32.03	32.29	43.31	31.33	17.38	7.25	5.62
MIN	4.89	5.59	28.31	24.46	28.00	19.71	18.74	16.70	18.12	6.17	5.15	5.01

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1965 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1965 to current year.

WATER TEMPERATURES: May 1980 to current year.

INSTRUMENTATION.--Specific conductance recorder (strip chart) October 1964 to May 22, 1980. Water-quality monitor since May 23, 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 26,800 micromhos Nov. 4, 1965; minimum, 40 micromhos Apr. 11-13, June 12-16, 1975.

WATER TEMPERATURES: Maximum, 33.0°C July 13-17, 1980; minimum, 5.0°C Jan. 14-18, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 05...	1015	964	7.1	24.0	320	30	6.2	2.1
JAN 04...	0915	64	5.6	9.0	120	15	8.3	1.4
APR 11...	1150	73	5.9	15.5	80	25	7.2	1.3
JUL 11...	1500	306	6.2	28.5	140	45	4.0	.8

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 05...	K20	2700	57	17	3.5	200	5.6	126	180
JAN 04...	K50	--	11	3.4	.6	8.4	1.6	16	8.4
APR 11...	100	260	16	4.7	1.0	6.7	1.4	8	14
JUL 11...	K20	160	34	10	2.2	45	2.3	29	27

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 05...	120	.1	15	--	618	.6	.8	.46
JAN 04...	3.4	<.1	3.9	58	40	.1	.9	.33
APR 11...	7.2	<.1	7.2	75	47	<.1	.6	.06
JUL 11...	57	<.1	14	194	174	.3	.9	.17

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

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

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
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OCT 05...	2	<1	<1	<1	<1	<1	2	1	870	120	5
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DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
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OCT 05...	<10	370	11	.3	<.01	13	1	4.1	<.01	<1	<.1
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DATE	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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OCT 05...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01	.1
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DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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OCT 05...	<.01	<.1	.03	<.1	<.01	<.1	<.01	<.1	<.01	<.1
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DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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OCT 05...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
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DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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OCT 05...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
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DATE	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
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OCT 05...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01
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< Actual value is known to be less than the value shown.

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
SAMPLING DEPTH 10.00(FT.),

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH			
1	1000	800	498	482	140	101			---	---			
2	900	800	532	497	118	86			---	---			
3	1000	800	547	534	85	70			---	---			
4	1000	900	553	300	80	66			---	---			
5	1000	900	298	281	65	56			---	---			
6	1000	900	314	288	61	55			---	---			
7	1000	900	314	301	73	61			---	---			
8	972	915	328	310	75	70			---	---			
9	913	816	362	329	72	69			---	---			
10	1000	381	440	370	73	70			---	---			
11	499	296	457	441	77	72			---	---			
12	502	295	455	402	103	77			---	---			
13	736	411	407	403	111	103			---	---			
14	543	240	406	404	109	106			---	---			
15	402	237	405	400	107	103			---	---			
16	326	262	399	397	112	104			---	---			
17	608	252	726	395	109	101			---	---			
18	777	478	701	424	100	93			---	---			
19	465	244	1600	199	92	85			---	---			
20	248	184	867	246	89	85			68	66			
21	238	187	457	261	96	89			104	63			
22	270	242	467	240	108	97			258	65			
23	265	235	248	192	131	108			183	84			
24	256	234	530	219	159	132			99	52			
25	315	258	407	253	170	161			---	---			
26	374	317	249	208	181	138			---	---			
27	419	377	294	158	137	62			---	---			
28	455	420	150	99	57	41			---	---			
29	489	457	105	88	---	---			---	---			
30	501	484	113	101	---	---			---	---			
31	484	478	---	---	---	---			---	---			
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER			
1						---	---	300	200	448	441	---	---
2						---	---	300	200	462	447	---	---
3						---	---	300	100	544	457	---	---
4						---	---	300	100	546	519	---	---
5						---	---	300	100	534	513	---	---
6						---	---	300	100	555	535	---	---
7						---	---	300	100	751	551	---	---
8						---	---	300	100	801	628	---	---
9						---	---	300	100	705	520	---	---
10					110	108	400	100	996	547	---	---	
11					111	109	400	100	852	586	---	---	
12					112	110	400	100	823	423	1400	1300	
13					117	112	400	100	448	435	1600	1400	
14					123	117	400	400	464	442	1600	1300	
15					130	123	500	400	577	465	1600	1300	
16					157	131	500	400	604	561	1400	1200	
17					335	134	600	400	611	571	1300	1200	
18					295	220	---	---	---	---	1300	1100	
19					235	174	---	---	---	---	1300	1200	
20					175	154	---	---	---	---	1300	1100	
21					172	155	---	---	---	---	1300	1100	
22					167	158	---	---	---	---	1400	1100	
23					198	167	---	---	---	---	1600	1400	
24					236	200	---	---	---	---	1700	1600	
25					285	239	---	---	---	---	1600	1200	
26					336	289	---	---	---	---	1300	1100	
27					359	243	---	---	---	---	1100	900	
28					355	275	---	---	---	---	913	866	
29					262	214	---	---	---	---	904	857	
30					278	214	---	---	---	---	1100	900	
31					---	---	---	---	---	---	---	---	

RED RIVER BASIN

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07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.0	23.5	18.5	18.0	15.5	14.0			---	---	12.0	11.0
2	24.5	24.0	18.5	18.5	17.0	15.5			---	---	13.0	12.0
3	25.0	24.0	18.5	18.0	17.0	17.0			---	---	14.0	13.0
4	25.5	24.0	18.0	17.0	18.0	18.0			---	---	15.0	14.0
5	25.5	24.5	17.0	15.5	17.5	17.0			---	---	16.0	15.0
6	26.0	25.0	15.0	14.0	17.0	16.5			---	---	16.5	15.5
7	26.0	25.5	14.0	13.5	16.5	15.5			---	---	17.0	16.0
8	25.5	25.0	14.0	13.5	15.5	14.5			---	---	17.0	16.5
9	25.5	25.0	14.5	13.5	14.5	13.5			---	---	17.0	16.5
10	25.0	24.0	15.0	14.0	13.5	12.5			---	---	16.5	15.0
11	23.5	22.5	15.5	14.5	12.5	11.5			---	---	15.0	15.0
12	22.5	21.0	16.0	15.5	11.5	10.5			---	---	14.0	13.0
13	21.0	20.0	16.0	15.0	10.5	9.0			---	---	13.0	12.5
14	20.0	19.0	15.0	13.5	9.0	8.5			10.0	10.0	13.5	13.0
15	19.5	19.0	13.5	12.5	9.0	8.5			10.5	10.0	14.0	13.5
16	19.0	18.5	12.5	12.0	9.0	8.5			10.5	10.0	14.0	13.5
17	18.5	18.0	12.5	12.0	9.5	9.0			11.0	10.5	14.0	14.0
18	18.0	17.5	13.0	12.5	9.5	9.0			11.5	11.0	14.5	14.0
19	17.5	17.5	16.0	13.5	9.5	9.5			12.0	11.0	15.0	14.5
20	17.5	17.0	16.0	15.0	9.5	9.5			12.5	11.5	15.0	14.5
21	17.0	16.5	16.5	16.0	10.0	9.5			12.5	12.5	14.5	14.0
22	17.0	16.5	16.5	16.0	10.5	10.0			13.0	12.5	14.0	13.5
23	16.5	16.0	16.5	16.0	11.5	10.5			13.0	12.5	13.5	12.0
24	16.0	15.5	17.0	16.5	13.0	11.5			13.5	13.0	12.0	10.0
25	16.0	15.0	16.5	15.5	14.0	13.0			14.0	13.5	10.5	10.0
26	15.5	14.5	15.5	15.0	15.5	14.0			13.5	13.0	11.5	10.5
27	15.0	14.5	15.0	14.5	16.0	15.5			13.0	12.0	12.5	11.5
28	15.5	15.0	15.0	15.0	15.5	15.0			12.0	11.5	13.0	12.5
29	16.5	15.5	15.0	15.0	---	---			---	---	13.5	13.0
30	17.0	16.5	15.0	14.0	---	---			---	---	14.0	13.5
31	18.0	17.0	---	---	---	---			---	---	14.5	14.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	14.5			---	---	27.0		31.5	31.0	---	---
2	15.0	14.5			---	---	---		30.5	29.0	---	---
3	15.0	14.5			---	---	---		29.0	28.0	---	---
4	15.0	14.5			---	---	---		29.5	28.0	---	---
5	15.0	14.5			---	---	---		30.5	28.5	---	---
6	15.5	15.0			---	---	---		30.5	29.0	---	---
7	15.5	15.5			---	---	---		31.5	29.5	---	---
8	15.5	14.5			---	---	---		31.0	29.5	---	---
9	14.5	14.0			---	---	---		30.5	29.5	---	---
10	14.5	14.0			23.0	23.0	---		31.5	29.5	---	---
11	15.0	14.0			23.5	23.0	---		30.5	29.5	---	---
12	15.5	14.5			24.0	23.0	---		30.5	29.0	28.5	28.0
13	16.0	15.5			24.0	23.5	---		30.5	29.0	29.0	27.5
14	17.0	16.0			24.5	24.0	---		31.5	29.5	29.0	27.0
15	17.0	16.5			24.5	24.5	---		32.0	29.5	28.5	26.5
16	16.5	16.0			25.0	24.5	---		31.5	30.0	28.0	26.5
17	16.0	15.5			25.0	24.5	---		31.5	30.5	28.5	27.0
18	16.0	15.5			24.5	24.5	---		---	---	28.5	27.0
19	16.0	15.0			24.5	24.5	---		---	---	27.5	26.5
20	15.0	14.5			24.5	24.5	---		---	---	27.0	26.0
21	14.5	14.5			24.5	24.5	---		---	---	26.5	24.5
22	15.0	14.5			25.0	24.5	---		---	---	24.5	23.0
23	---	---			25.0	24.5	---		---	---	23.5	22.0
24	---	---			25.5	25.0	---		---	---	23.0	21.5
25	---	---			26.0	25.5	---		---	---	23.0	21.5
26	---	---			26.0	25.5	---		---	---	23.5	22.0
27	---	---			26.5	26.0	---		---	---	24.0	22.5
28	---	---			27.0	26.5	---		---	---	24.5	23.0
29	---	---			27.0	26.5	---		---	---	24.0	23.0
30	---	---			27.0	22.0	---		---	---	24.0	22.5
31	---	---			---	---	---		---	---	---	---

RED RIVER BASIN

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

LOCATION.--Lat 31°32'10", long 92°24'30", in SW1/4SE1/4 sec.31,T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi upstream from Sugar Branch, 0.8 mi upstream from water-supply diversion dam, 0.8 mi north of Pollock, and 1.3 mi downstream from Dyson Creek.

DRAINAGE AREA.--51 mi², approximately.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Water-discharge records good. Supplementary recording rain gage 3.8 mi northwest of station since June 26, 1964. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 61.4 ft³/s, 16.35 in/yr, 44,480 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 650 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 27	2000	1190	9.55	Mar. 24	0330	1180	9.52
Dec. 1	0600	2040	10.90	Apr. 6	1800	928	8.63
Dec. 3	1530	1310	9.84	Apr. 14	1130	1900	10.74
Dec. 26	1300	6740	14.18	May 19	1200	*9040	*15.42
Feb. 1	1030	3100	11.92	May 20	2130	2730	11.59
Mar. 5	1330	697	7.61	May 22	0130	1320	9.88

Minimum discharge, 10 ft³/s Oct. 1, 2, 4, 5, 6; minimum gage height, 2.74 ft Oct. 2, 4, 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	12	1740	169	1880	61	65	53	61	40	25	23
2	10	13	605	270	379	57	65	51	51	36	50	23
3	11	15	772	106	111	53	58	51	46	33	350	22
4	11	14	345	77	80	92	59	52	44	32	80	42
5	10	14	117	66	166	584	170	45	49	32	50	23
6	11	15	69	62	332	363	608	43	120	30	42	25
7	18	12	54	61	109	104	589	42	76	29	38	24
8	18	12	46	90	79	77	164	71	52	28	50	23
9	16	12	42	104	149	68	111	50	45	28	150	23
10	52	12	51	68	528	61	84	44	41	28	60	22
11	24	12	299	57	172	59	74	54	40	27	42	21
12	37	12	157	51	92	56	66	58	39	26	50	23
13	54	13	66	49	74	55	176	46	37	26	40	27
14	25	13	58	48	68	52	1270	44	35	26	36	25
15	19	12	134	45	65	51	304	206	53	27	34	22
16	17	13	72	44	60	50	111	468	49	28	32	22
17	16	90	53	43	56	52	88	106	40	27	31	22
18	15	98	48	42	53	51	77	71	40	26	30	23
19	14	343	43	42	52	48	69	4410	39	25	29	45
20	16	138	38	194	51	102	72	1630	36	25	28	79
21	19	45	36	143	175	80	90	1310	36	28	27	46
22	16	36	36	71	424	57	79	826	39	26	27	32
23	15	37	37	57	291	240	320	217	39	25	26	27
24	14	53	36	52	106	935	171	109	39	24	25	25
25	14	36	77	82	76	226	77	82	36	23	25	24
26	13	28	3890	65	65	157	68	69	106	23	24	23
27	13	568	3840	52	62	154	62	63	85	22	30	23
28	12	589	1380	50	66	86	60	58	44	23	26	23
29	12	96	233	90	---	77	57	54	46	28	24	22
30	12	193	106	90	---	74	53	51	53	27	23	22
31	12	---	92	156	---	71	---	58	---	26	22	---
TOTAL	556	2556	14572	2596	5821	4253	5317	10492	1516	854	1526	826
MEAN	17.9	85.2	470	83.7	208	137	177	338	50.5	27.5	49.2	27.5
MAX	54	589	3890	270	1880	935	1270	4410	120	40	350	79
MIN	10	12	36	42	51	48	53	42	35	22	22	21
CFSM	.35	1.67	9.22	1.64	4.08	2.69	3.47	6.63	.99	.54	.97	.54
IN.	.41	1.86	10.63	1.89	4.25	3.10	3.88	7.65	1.11	.62	1.11	.60
AC=FT	1100	5070	28900	5150	11550	8440	10550	20810	3010	1690	3030	1640
(†)	4.57	11.44	15.71	6.71	4.36	5.65	5.64	12.73	2.84	1.46	6.54	1.48
(‡)	4.61	11.73	15.97	6.32	4.76	6.83	6.42	12.14	4.57	.46	4.32	2.75

CAL YR 1982 TOTAL 25010.4 MEAN 68.5 MAX 3890 MIN 8.3 CFSM 1.34 IN 18.24 AC=FT 49610
WTR YR 1983 TOTAL 50885.0 MEAN 139 MAX 4410 MIN 10 CFSM 2.73 IN 37.12 AC=FT 100900

†Precipitation, in inches, during month at rain gage at station. Total for calendar year 1982, 57.16 inches; total for water year 1983, 79.13 inches.

‡Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1982, 65.10 inches; total for water year 1983, 80.88 inches.

NOTE.--No gage-height record, Aug. 1-30.

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.75	2.80	10.52	3.99	10.50	3.46	3.49	3.40	3.46	3.28	---	3.05
2	2.75	2.84	6.58	4.57	5.42	3.43	3.49	3.38	3.38	3.24	---	3.05
3	2.76	2.89	7.56	3.72	3.74	3.40	3.44	3.38	3.34	3.21	---	3.04
4	2.76	2.88	5.16	3.57	3.59	3.61	3.44	3.39	3.32	3.19	---	3.24
5	2.75	2.86	3.77	3.50	4.10	6.88	4.06	3.33	3.36	3.19	---	3.26
6	2.76	2.89	3.52	3.47	5.06	5.30	6.90	3.31	3.78	3.17	---	3.10
7	2.96	2.82	3.41	3.46	3.73	3.71	6.79	3.30	3.56	3.15	---	3.07
8	2.95	2.81	3.34	3.64	3.58	3.57	3.97	3.53	3.39	3.14	---	3.05
9	2.92	2.81	3.30	3.71	3.98	3.51	3.74	3.37	3.33	3.14	---	3.05
10	3.39	2.81	3.38	3.51	6.53	3.46	3.62	3.32	3.29	3.13	---	3.03
11	3.08	2.81	4.79	3.43	4.02	3.44	3.55	3.41	3.28	3.12	---	3.02
12	3.25	2.82	3.94	3.38	3.65	3.42	3.50	3.44	3.27	3.11	---	3.06
13	3.41	2.83	3.50	3.36	3.55	3.41	4.20	3.34	3.25	3.11	---	3.12
14	3.10	2.83	3.44	3.35	3.51	3.39	9.59	3.32	3.23	3.11	---	3.10
15	2.98	2.82	3.84	3.33	3.48	3.38	4.91	4.32	3.40	3.12	---	3.04
16	2.93	2.83	3.54	3.32	3.45	3.37	3.74	6.10	3.36	3.13	---	3.03
17	2.91	3.47	3.40	3.31	3.42	3.39	3.63	3.72	3.28	3.12	---	3.03
18	2.89	3.64	3.35	3.30	3.40	3.38	3.57	3.54	3.28	3.11	---	3.06
19	2.87	5.24	3.31	3.30	3.39	3.35	3.52	12.12	3.27	3.10	---	3.28
20	2.91	3.90	3.26	4.18	3.38	3.70	3.54	10.17	3.24	3.10	---	3.58
21	2.99	3.33	3.24	3.88	4.02	3.59	3.64	9.86	3.24	3.13	---	3.34
22	2.92	3.24	3.24	3.53	5.76	3.43	3.58	8.03	3.27	3.11	---	3.19
23	2.89	3.25	3.25	3.43	4.80	4.58	4.99	4.28	3.27	3.09	---	3.12
24	2.87	3.40	3.24	3.39	3.72	8.66	4.08	3.73	3.27	3.08	---	3.09
25	2.86	3.24	3.49	3.60	3.56	4.38	3.57	3.60	3.24	3.06	---	3.07
26	2.85	3.14	11.66	3.49	3.49	3.94	3.51	3.52	3.68	3.05	---	3.06
27	2.84	6.39	12.46	3.41	3.47	3.93	3.47	3.48	3.59	3.04	---	3.05
28	2.82	6.72	9.31	3.37	3.50	3.62	3.45	3.44	3.32	3.05	---	3.05
29	2.81	3.67	4.31	3.64	---	3.57	3.43	3.41	3.34	3.14	---	3.04
30	2.82	4.27	3.72	3.64	---	3.55	3.40	3.38	3.40	3.12	---	3.04
31	2.82	---	3.65	4.05	---	3.53	---	3.44	---	3.11	3.04	---
MAX	3.41	6.72	12.46	4.57	10.50	8.66	9.59	12.12	3.78	3.28	---	3.58
MIN	2.75	2.80	3.24	3.30	3.38	3.35	3.40	3.30	3.23	3.04	---	3.02

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.0°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 08...	1000	14	45	5.7	22.5	50	12	7.2	1.7	K4400
JAN 04...	0830	77	32	5.8	7.0	80	10	10.8	1.8	100
APR 11...	1100	74	33	6.3	15.0	30	6.9	9.2	.8	K100
JUL 11...	1330	27	41	6.6	24.5	30	5.5	7.9	.9	120

DATE	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 08...	K12000	10	2.4	.9	4.1	1.5	8	7.0	4.3	<.1
JAN 04...	600	7	1.6	.7	2.7	.8	5	4.0	3.4	<.1
APR 11...	240	7	1.6	.6	3.5	.9	6	2.6	3.7	<.1
JUL 11...	480	9	1.9	1.0	5.3	1.2	11	5.2	5.2	<.1

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
OCT 08...	19	67	44	<.10	.05	.4	.04	.01	<.01	60
JAN 04...	14	48	30	.12	.10	.2	.30	.02	<.01	--
APR 11...	16	38	33	<.10	.10	.3	.03	.02	<.01	50
JUL 11...	20	47	47	.15	.04	.3	.04	.04	.01	--

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	CAESIUM, DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 08...	1	29	<1	<1	<1	<3	1	210	3	<4
APR 11...	<1	33	<1	<1	2	<3	7	280	5	<4

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

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

RED RIVER BASIN

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07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 08...	40	.1	<10	2	<1	<1	19	<6.0	<4
APR 11...	85	<.1	<10	2	<1	<1	14	<6.0	12

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM, DIS-SOLVED, EXTRACTION (UG/L)
APR 11...	<1.1	<1.3	1.4	<1.7	1.3	<1.7	.05	.01

DATE	SEDI-MENT, SUSPENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 01...	37	--	92
08...	40	1.5	75
NOV 08...	14	--	29
DEC 17...	19	--	42
JAN 04...	12	2.5	100
17...	6	--	33
MAR 15...	6	--	100
APR 11...	7	1.4	86
14...	54	--	81
MAY 27...	22	--	85
JUN 29...	26	--	96
JUL 11...	17	1.2	94
SEP 02...	8	--	80

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

RED RIVER BASIN

07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.--Lat 31°35'04", long 92°07'55", in NW1/4NE1/4 in lot 39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi east of Nebo, 1.4 mi upstream from Mason Creek, and 2.2 mi downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi².

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

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

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

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 years, 65.2 ft³/s, 25.08 in/yr, 47,240 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s Dec. 27, 1982, gage height, 14.2 ft; from floodmarks, from rating curve extended above 6,000 ft³/s on basis of slope-area measurement at gage height 14.2 ft; minimum, 10 ft³/s part of each day June 7, 9, 10, 11, 14, 15, 16, 19, 20, 21, 1982, minimum gage height, 2.31 ft Sept. 14, 15, 16, 17, 18, 29, 30, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,600 ft³/s Dec. 27, gage height, 14.2 ft, from floodmarks, from rating curve extended as explained above; minimum, 11 ft³/s Nov. 13, minimum gage height, 2.31 ft Sept. 14, 15, 16, 17, 18, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	1200	50	2410	34	36	32	43	35	25	23
2	12	12	120	45	208	32	40	31	40	33	44	23
3	12	13	815	41	144	31	33	31	38	32	81	24
4	12	12	343	39	119	590	31	30	36	32	31	23
5	12	12	125	37	323	930	118	30	170	31	27	40
6	12	12	73	34	198	90	929	29	144	31	55	32
7	13	12	59	34	104	57	146	30	79	31	28	24
8	13	12	53	60	88	47	89	42	45	30	27	23
9	44	12	49	89	985	41	69	34	38	30	26	22
10	60	12	49	40	632	38	58	30	36	30	26	23
11	14	12	279	32	104	36	54	35	35	29	25	25
12	21	12	115	28	75	36	52	37	34	29	25	23
13	19	12	61	27	62	35	882	32	33	29	25	23
14	14	12	51	25	53	33	841	29	33	28	25	22
15	13	12	206	24	48	33	98	980	32	28	24	22
16	12	12	77	24	45	33	74	144	31	30	24	22
17	12	149	55	22	42	33	63	43	31	29	24	22
18	12	50	49	22	41	32	56	102	30	28	24	38
19	12	71	46	22	40	31	53	3380	30	28	24	38
20	12	33	44	214	38	51	56	1880	30	27	25	32
21	12	19	43	55	134	38	52	2480	29	30	24	25
22	12	17	42	33	401	32	230	549	29	28	23	23
23	12	150	42	27	87	560	338	216	33	27	24	23
24	12	132	42	25	51	375	53	120	30	26	24	22
25	12	32	138	43	42	55	40	74	29	26	24	22
26	12	24	1200	29	38	105	38	55	118	26	24	22
27	12	569	9000	28	37	59	36	48	60	25	23	22
28	12	154	1000	24	38	39	34	45	35	27	23	22
29	12	47	200	72	---	36	32	43	70	26	23	22
30	12	871	70	38	---	36	32	110	40	26	23	22
31	12	---	58	857	---	35	---	58	---	26	23	---
TOTAL	475	2511	15704	2140	6587	3613	4663	10779	1461	893	873	749
MEAN	15.3	83.7	507	69.0	235	117	155	348	48.7	28.8	28.2	25.0
MAX	60	871	9000	857	2410	930	929	3380	170	35	81	40
MIN	12	12	42	22	37	31	31	29	29	25	23	22
CFSM	.43	2.37	14.4	1.96	6.66	3.31	4.39	9.86	1.38	.82	.80	.71
IN.	.50	2.65	16.55	2.26	6.94	3.81	4.91	11.36	1.54	.94	.92	.79
AC-FT	942	4980	31150	4240	13070	7170	9250	21380	2900	1770	1730	1490

CAL YR 1982 TOTAL 25238 MEAN 69.1 MAX 9000 MIN 11 CFSM 1.96 IN 26.60 AC-FT 50060
WTR YR 1983 TOTAL 50448 MEAN 138 MAX 9000 MIN 12 CFSM 3.91 IN 53.16 AC-FT 100100

NOTE.--No gage-height record Dec. 26 to Jan. 3, May 24, June 2-5, June 8-25, June 27 to July 18.

RED RIVER BASIN

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07373250 HEMPHILL CREEK AT NEBO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	2.45	5.88	---	7.04	3.02	2.89	2.77	2.99	---	2.37	2.35
2	2.41	2.45	3.66	---	4.17	2.98	2.95	2.76	---	---	2.57	2.34
3	2.40	2.46	5.30	---	3.82	2.96	2.86	2.76	---	---	2.98	2.35
4	2.40	2.44	4.67	2.94	3.66	4.42	2.82	2.75	---	---	2.48	2.35
5	2.40	2.43	3.68	2.91	4.37	5.92	3.29	2.75	---	---	2.41	2.54
6	2.41	2.44	3.30	2.87	4.07	3.44	5.83	2.74	3.49	---	2.73	2.47
7	2.43	2.44	3.17	2.87	3.54	3.14	3.64	2.75	3.00	---	2.43	2.35
8	2.43	2.44	3.11	3.16	3.43	3.03	3.21	2.91	---	---	2.42	2.34
9	2.73	2.44	3.06	3.41	5.03	2.97	3.03	2.81	---	---	2.40	2.33
10	3.06	2.44	3.07	2.95	5.12	2.93	2.93	2.75	---	---	2.39	2.34
11	2.51	2.44	4.42	2.84	3.65	2.90	2.89	2.83	---	---	2.38	2.38
12	2.63	2.44	3.60	2.79	3.44	2.90	2.86	2.85	---	---	2.38	2.35
13	2.61	2.44	3.18	2.76	3.33	2.88	4.43	2.78	---	---	2.38	2.34
14	2.49	2.44	3.09	2.73	3.24	2.86	5.23	2.74	---	---	2.37	2.32
15	2.46	2.44	4.04	2.72	3.19	2.85	3.39	5.21	---	---	2.36	2.31
16	2.45	2.45	3.33	2.70	3.15	2.86	3.19	3.73	---	---	2.35	2.32
17	2.44	3.45	3.13	2.68	3.12	2.86	3.09	2.99	---	---	2.35	2.32
18	2.44	3.02	3.07	2.66	3.10	2.83	3.01	3.39	---	---	2.36	2.52
19	2.44	3.21	3.03	2.66	3.09	2.82	2.99	7.85	---	2.43	2.35	2.56
20	2.45	2.84	3.00	4.00	3.06	3.08	3.01	7.30	---	2.42	2.37	2.48
21	2.45	2.62	2.99	3.13	3.68	2.92	2.97	7.64	---	2.45	2.36	2.38
22	2.45	2.57	2.98	2.85	4.90	2.84	3.66	5.21	---	2.43	2.34	2.34
23	2.45	3.24	2.97	2.76	3.52	4.28	4.34	4.20	---	2.40	2.36	2.33
24	2.45	3.61	2.98	2.72	3.22	4.44	3.04	---	---	2.40	2.36	2.32
25	2.45	2.84	3.78	2.99	3.12	3.13	2.89	3.31	---	2.39	2.35	2.32
26	2.45	2.71	---	2.79	3.06	3.47	2.87	3.13	3.32	2.39	2.37	2.32
27	2.45	4.74	---	2.77	3.05	3.16	2.83	3.05	---	2.38	2.34	2.32
28	2.44	3.79	---	2.71	3.07	2.94	2.81	3.02	---	2.41	2.33	2.33
29	2.45	3.03	---	3.29	---	2.90	2.79	2.99	---	2.40	2.34	2.32
30	2.45	4.48	---	2.92	---	2.90	2.78	3.54	---	2.40	2.35	2.31
31	2.45	---	---	3.91	---	2.89	---	3.15	---	2.39	2.34	---
MAX	3.06	4.74	---	4.00	7.04	5.92	5.83	7.85	---	---	2.98	2.56
MIN	2.40	2.43	2.97	2.66	3.05	2.82	2.78	2.74	---	2.38	2.33	2.31

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

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

DRAINAGE AREA.--14.8 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Since Aug. 25, 1981, a nonrecording supplemental gage at private fishing pier 700 ft upstream at datum 36.00 ft lower and used whenever lake elevation is too low to enter Buckner Bayou. Prior to May 19, 1981, water-stage recorder at site 8.5 mi southwest of Waterproof at same datum and prior to Oct. 1, 1976, at datum 50.00 ft higher.

REMARKS.--Lake is formed from an oxbow lake by four control structures; two are on Buckner Bayou. Buckner Bayou floodgate consists of two 4.0-ft pipes (invert elevations, 47.9 ft) with stoplogs which raise elevation to 53.0 ft. Structure built about 1948. Adjacent to the floodgate is Buckner Bayou weir, which was built about 1975. The weir has a 30-ft length with crest elevation of 53.0 ft.

Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on west side of lake. This structure consists of two 8.5-by 3.5-ft timber gates with invert of gates at elevation 53.0 ft and was built about 1967.

Little Tensas Bayou Control Structure is located at northeast of end of Lake St. John and consists of a 5.0-ft pipe with flap valve. Invert of pipe is 50.3 ft elevation.

Lake is used for conservation and flood control.

Elevations for Oct. 1 to Nov. 27, Jan. 2-25 are from once-daily staff gage readings.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft, present datum, May 13, 1973; minimum observed, 50.25 ft, present datum, Nov. 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 56.34 ft Apr. 7; minimum observed, 50.25 ft Nov. 17.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.66	50.38	51.72	54.81	54.73	54.63	54.59	54.48	54.89	54.78	54.14	53.82
2	50.64	50.37	51.80	55.00	54.82	54.60	54.56	54.43	54.78	54.75	54.18	53.82
3	50.62	50.36	51.83	54.99	54.84	54.59	54.55	54.39	54.69	54.71	54.26	53.79
4	50.60	50.35	52.72	54.96	54.80	54.57	54.54	54.34	54.60	54.69	54.28	53.77
5	50.58	50.34	53.00	54.92	54.75	54.91	54.53	54.31	54.52	54.66	54.27	53.75
6	50.58	50.33	53.18	54.88	54.85	54.93	54.98	54.34	54.61	54.64	54.26	53.72
7	50.60	50.32	53.28	54.84	54.82	54.94	56.22	54.32	54.69	54.60	54.24	53.70
8	50.70	50.31	53.33	54.81	54.77	54.88	56.33	54.34	54.63	54.57	54.23	53.69
9	50.71	50.30	53.35	54.80	54.74	54.82	56.28	54.33	54.56	54.55	54.21	53.67
10	50.72	50.29	53.34	54.78	54.97	54.80	56.18	54.34	54.48	54.52	54.19	53.66
11	50.70	50.29	53.44	54.75	54.98	54.76	56.02	54.37	54.57	54.49	54.17	53.68
12	50.69	50.30	53.52	54.70	54.93	54.72	55.85	54.39	54.57	54.47	54.14	53.74
13	50.68	50.29	53.52	54.65	54.88	54.69	55.69	54.40	54.55	54.45	54.13	53.72
14	50.66	50.28	53.53	54.59	54.82	54.67	55.89	54.39	54.53	54.43	54.12	53.69
15	50.64	50.27	53.58	54.54	54.77	54.65	55.84	54.38	54.58	54.43	54.11	53.67
16	50.62	50.26	53.58	54.50	54.70	54.64	55.72	54.64	54.59	54.41	54.09	53.65
17	50.60	50.25	53.59	54.46	54.70	54.63	55.58	54.65	54.72	54.40	54.07	53.63
18	50.58	50.30	53.57	54.42	54.68	54.60	55.42	54.55	54.73	54.37	54.06	53.61
19	50.56	50.40	53.56	54.38	54.66	54.59	55.30	55.07	54.71	54.35	54.04	53.61
20	50.54	50.45	53.57	54.52	54.64	54.59	55.19	55.33	54.69	54.34	54.03	53.62
21	50.52	50.60	53.56	54.59	54.62	54.57	55.09	55.53	54.67	54.33	54.01	53.59
22	50.50	50.68	53.56	54.58	54.76	54.55	55.00	56.00	54.66	54.31	53.99	53.56
23	50.48	50.70	53.56	54.55	54.78	54.54	55.09	55.97	54.71	54.29	53.97	53.54
24	50.46	50.86	53.58	54.52	54.75	54.69	55.02	55.91	54.73	54.27	53.96	53.51
25	50.45	50.88	53.60	54.55	54.74	54.68	54.92	55.75	54.78	54.24	53.94	53.50
26	50.43	50.88	53.68	54.45	54.70	54.68	54.83	55.60	54.84	54.22	53.92	53.47
27	50.42	50.87	54.33	54.44	54.65	54.67	54.75	55.46	54.83	54.21	53.90	53.47
28	50.41	51.29	54.69	54.40	54.65	54.64	54.67	55.33	54.81	54.21	53.89	53.45
29	50.40	51.42	54.80	54.40	---	54.63	54.61	55.19	54.78	54.19	53.86	53.43
30	50.39	51.48	54.80	54.40	---	54.61	54.54	55.09	54.80	54.16	53.87	53.41
31	50.38	---	54.89	54.38	---	54.59	---	55.00	---	54.16	53.85	---
MAX	50.72	51.48	54.89	55.00	54.98	54.94	56.33	56.00	54.89	54.78	54.28	53.82
MIN	50.38	50.25	51.72	54.38	54.62	54.54	54.53	54.31	54.48	54.16	53.85	53.41

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 1.5 mi southeast of gage.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 27...	1030	135	7.7	17.0	10	2.0	8.6	5.9
JAN 06...	1530	123	6.7	11.5	15	15	9.3	1.3
APR 14...	1515	119	7.1	18.5	10	15	9.5	2.6
JUL 14...	1315	156	8.0	31.0	5	4.0	9.6	3.4

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS AS (MG/L CAC03)	CALCIUM DIS-SOLVED AS (MG/L CA)	MAGNESIUM, DIS-SOLVED AS (MG/L MG)	SODIUM, DIS-SOLVED AS (MG/L NA)	POTASSIUM, DIS-SOLVED AS (MG/L K)	ALKALINITY FIELD (MG/L CAC03)	SULFATE DIS-SOLVED AS (MG/L S04)
OCT 27...	<2	K4	55	15	4.2	7.3	4.2	53	14
JAN 06...	K16	160	44	12	3.4	6.1	3.4	42	3.6
APR 14...	60	95	42	11	3.4	5.4	3.5	39	7.2
JUL 14...	1	K8	55	15	4.2	5.9	3.9	54	5.0

DATE	CHLORIDE, DIS-SOLVED AS (MG/L CL)	FLUORIDE, DIS-SOLVED AS (MG/L F)	SILICA, DIS-SOLVED AS (MG/L SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED AS (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED AS (MG/L)	NITROGEN, NO2+NO3 TOTAL AS (MG/L N)	NITROGEN, AMMONIA + ORGANIC TOTAL AS (MG/L N)	PHOSPHORUS, TOTAL AS (MG/L P)
OCT 27...	4.9	.1	9.8	100	92	<.1	2.0	.14
JAN 06...	8.7	<.1	8.6	79	71	.3	.9	.30
APR 14...	8.0	<.1	6.3	85	68	<.1	.6	.08
JUL 14...	8.8	<.1	4.7	83	80	<.1	1.1	.08

DATE	ARSENIC, TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED AS (UG/L CD)	CADMIUM, FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED AS (UG/L CR)	COPPER, DIS-SOLVED AS (UG/L CU)	COPPER, FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED AS (UG/L FE)	IRON, FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED AS (UG/L AS PB)
OCT 27...	3	4	1	<1	5	<1	<1	22	3	14000

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DIS-SOLVED AS (UG/L MN)	MANGANESE, FM BOTTOM MATERIAL (UG/G)	MERCURY, TOTAL RECOVERABLE AS (UG/L HG)	MERCURY, RECOV. FM BOTTOM MATERIAL (UG/L AS HG)	ZINC, DIS-SOLVED AS (UG/L AS ZN)	ZINC, FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 27...	20	1	910	<.1	<.01	4	63	.8	<.01	<1	<.1

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

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

RED RIVER BASIN

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	<1	<.1	<1	<.01	<.1	<.1	9	<.01	7.6	<.01	<.01	12

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	<.01	1.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2, 4-DP TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L)
OCT 27...	<1	<1	<10	<.01	<.1	.02	<.01	<.01	<.01	1.0

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 27...	160000
JAN 06...	33000
APR 14...	40000
JUL 14...	340000

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

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 27,82 1030	JAN 6,83 1530	APR 14,83 1515	JUL 14,83 1315
TOTAL CELLS/ML	160000	33000	40000	340000
DIVERSITY: DIVISION	0.8	1.4	1.6	0.5
..CLASS	0.8	1.4	1.6	0.5
...ORDER	1.9	1.6	1.8	1.9
...FAMILY	2.0	1.7	2.0	1.9
....GENUS	2.1	2.1	2.6	2.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
....NITZSCHIACEAE								
.....NITZSCHIA	1600	1	720	2	560	1	--	-
...EUPODISCALES								
....COSCINODISCACEAE								
.....CYCLOTELLA	3800	2	2200	6	4800	12	*	()
.....MELOSIRA	--	-	17000#	51	7300#	18	--	-
...FRAGILARIALES								
....FRAGILARIA	--	-	--	-	--	-	*	0
....SYNEDRA	--	-	--	-	--	-	3100	1
...NAVICULALES								
....CYMBELLACEAE								
....AMPHORA	--	-	--	-	*	0	--	-
...NAVICULACEAE								
....NAVICULA	--	-	--	-	*	0	--	-
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....MICRACINIAEAE								
.....GOLENKINIA	--	-	500	2	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	2400	2	720	2	2500	6	24000	7
....CHONATELLA	--	-	--	-	420	1	--	-
....FRANCEIA	--	-	--	-	280	1	--	-
....KIRCHNERIELLA	2400	2	--	-	2500	6	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	3400	8	--	-
....CRUCIGENIA	2200	1	--	-	--	-	--	-
...SCENEDESMUS	9200	6	1700	5	560	1	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	700	2	--	-
...CHLOROGONIUM	--	-	--	-	--	-	*	()
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARUM	--	-	580	2	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....AGMENELLUM	12000	8	9200#	28	--	-	--	-
....ANACYSTIS	--	-	290	1	17000#	42	68000#	20
...NOSTOCALES								
....NOSTOCACEAE								
.....ANABAENA	--	-	--	-	--	-	19000	5
....ANABAENOPSIS	1800	1	--	-	--	-	3900	1
...CYLINDROSPERMUM	78000#	50	--	-	--	-	98000#	29
...OSCILLATORIALES								
....OSCILLATORIAEAE								
.....LYNGBYA	--	-	--	-	--	-	92000#	27
...OSCILLATORIA	41000#	26	--	-	--	-	32000	9
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
....GYMNODINIACEAE								
.....GYMNODINIUM	--	-	--	-	*	0	--	-
...PERIDINIACEAE								
....PERIDINIUM	1400	1	650	2	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA

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

DRAINAGE AREA.--8.91 mi².

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHUS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV 04...	1600	236	7.7	18.0	15	5.0	9.3	3.8	K20
JAN 07...	0830	206	7.5	11.0	20	5.0	12.0	2.8	84
APR 14...	1630	246	7.9	19.5	5	6.0	12.8	6.0	64
JUL 14...	1415	270	8.0	33.0	5	3.0	10.5	3.6	K3

DATE	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)
NOV 04...	K24	100	24	10	8.0	4.1	108	2.0
JAN 07...	88	89	22	8.2	6.1	3.3	101	<1.0
APR 14...	190	110	29	9.5	5.9	3.1	113	3.4
JUL 14...	K7	120	31	11	6.5	3.2	127	2.5

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3, TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV 04...	6.0	.2	6.4	136	127	<.1	.4	.05
JAN 07...	4.8	.1	.3	118	--	<.1	.7	.19
APR 14...	4.5	.1	2.5	146	126	<.1	.9	.07
JUL 14...	4.6	.1	7.3	146	142	<.1	.9	.07

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC, TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, DIS-SOLVED (UG/G AS Cr)	CHROMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, TOTAL IN BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, TOTAL IN BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
NOV 04...	3	<1	1	<1	4	<1	<1	14	5	13000	<1

DATE	LEAD, RECOVERED, FM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERED, FM BOTTOM MATERIAL (UG/G AS Mn)	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY, FM BOTTOM MATERIAL (UG/G AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOVERED, FM BOTTOM MATERIAL (UG/G AS Zn)	CARBON, ORGANIC, TOTAL (MG/L AS C)	CYANIDE, TOTAL (MG/L AS CN)	PHENOLS, TOTAL (UG/L)	PCB, TOTAL (UG/L)
NOV 04...	20	3	880	<.1	<.01	5	44	6.8	<.01	2	<.1

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

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

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 04...	<1	<.1	<1	<.01	<.1	<.1	4	<.01	.5	<.01		1.6

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)
NOV 04...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)
NOV 04...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
NOV 04...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L)
NOV 04...	<1	<1	<10	<.01	<.1	.01	<.01	.02	<.01	1.0

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
NOV 04...	140000
JAN 07...	68000
APR 14...	41000
JUL 14...	190000

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

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	JAN 7,83 0830	APR 14,83 1630	JUL 14,83 1415			
TOTAL CELLS/ML	68000	41000	190000			
DIVERSITY: DIVISION	1.2	2.1	0.7			
..CLASS	1.2	2.1	0.7			
..ORDER	1.7	2.4	1.8			
...FAMILY	2.1	2.6	1.8			
....GENUS	2.9	3.3	2.8			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
..BACILLARIOPHYCEAE						
...BACILLARIALES						
....NITZSCHIAEAE						
...NITZSCHIA	1100	2	930	2	--	-
..EUPODISCALES						
...COSCINODISCAEAE						
...CYCLOTELLA	11000#	16	5400	13	1600	1
...MELOSIRA	30000#	45	3700	9	1100	1
...STEPHANODISCUS	1800	3	--	-	--	-
..FRAGILARIALES						
...FRAGILARIAEAE						
....FRAGILARIA	--	-	--	-	1600	1
...SYNEDRA	1100	2	--	-	1100	1
..NAVICULALES						
...NAVICULACEAE						
....NAVICULA	360	1	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLOROCOCCACEAE						
...TETRAEDRON	2900	4	--	-	--	-
...DICTYOSPHAERIAEAE						
....DICTYOSPHAERIUM	1400	2	--	-	--	-
...MICRACTINIACEAE						
....GOLENKINIA	1100	2	--	-	--	-
...OOCYSTACEAE						
...ANKISTRODESMUS	2500	4	2600	6	8100	4
...CHODATELLA	1800	3	700	2	--	-
...FRANCEIA	--	-	--	-	*	0
...KIRCHNERIELLA	--	-	--	-	1100	1
...SELENASTRUM	1100	2	2300	6	2700	1
...THEUBARIA	--	-	--	-	1100	1
...SCENEDESMACEAE						
....CRUCIGENIA	2900	4	--	-	--	-
...SCENEDESMUS	--	-	--	-	1100	1
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CHLAMYDOMONAS	1100	2	3000	7	2200	1
..ZYGNEATALES						
...DESMIDIACEAE						
....COSMARIVUM	1800	3	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
....CRYPTOCHRYSIDACEAE						
...CHROOMONAS	--	-	7200#	18	--	-
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	2600	6	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
....CHROOCOCCACEAE						
...AGMENELLUM	5800	9	7500#	18	35000#	19
...ANACYSTIS	--	-	4200	10	43000#	23
..NOSTOCALES						
...NOSTOCAEAE						
...ANABAENOPSIS	--	-	--	-	5400	3
..OSCILLATORIALES						
...OSCILLATORIAEAE						
....LYNGBYA	--	-	--	-	27000	15
...OSCILLATORIA	--	-	--	-	53000#	28
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENAEAE						
....THACHELOMONAS	--	-	230	1	*	0
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...DINOKONTAE						
....GYMNODINIACEAE						
...GYMNODINIUM	--	-	230	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

RED RIVER BASIN

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073732805 LAKE CONCORDIA AT FERRIDAY, LA

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

DRAINAGE AREA.--8.91 mi².

PERIOD OF RECORD.--January 1967 to September 1976 (gage heights only). October 1976 to current year (elevations only). Published as Lake Concordia near Ferriday, January 1967 to September 1980.

REVISED RECORDS.--WDR LA-81-1: 1977-80 (M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 28.00 ft higher. Prior to Apr. 9, 1981, at site 3.5 mi northeast of Ferriday at same datum.

REMARKS.--Lake is formed from an oxbow lake by two adjacent structures on Bayou Cocodrie. One structure, built about 1948, is a 4.0-ft pipe with invert at 46.0 ft. The second structure is a 5.0-ft pipe with a single gate. The invert of this pipe is 42.0 ft. This structure was built about 1975 to permit the lowering of the lake when needed. Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 55.33 ft, present datum, May 14, 1973; minimum, 47.48 ft, present datum, Nov. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 51.38 ft Apr. 8; minimum, 48.37 ft Sept. 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.93	48.67	49.95	50.71	50.12	49.82	49.72	50.10	50.51	50.45	49.14	48.82
2	48.91	48.66	49.94	50.77	50.15	49.79	49.70	50.02	50.42	50.36	49.17	48.80
3	48.90	48.67	49.92	50.73	50.15	49.78	49.70	49.95	50.33	50.27	49.23	48.77
4	48.89	48.65	50.50	50.67	50.12	49.76	49.69	49.90	50.26	50.19	49.23	48.74
5	48.87	48.63	50.62	50.59	50.08	50.15	49.68	49.84	50.19	50.10	49.21	48.72
6	48.86	48.61	50.60	50.52	50.18	50.27	50.17	49.79	50.53	50.09	49.19	48.71
7	48.85	48.60	50.54	50.45	50.16	50.28	51.25	49.74	50.76	50.00	49.18	48.70
8	48.97	48.59	50.47	50.41	50.12	50.24	51.37	49.75	50.74	49.91	49.37	48.68
9	48.96	48.58	50.40	50.40	50.09	50.18	51.32	49.71	50.70	49.84	49.37	48.66
10	48.98	48.57	50.30	50.35	50.33	50.11	51.26	49.69	50.62	49.79	49.36	48.64
11	48.96	48.56	50.31	50.28	50.36	50.04	51.17	49.67	50.53	49.74	49.33	48.63
12	48.95	48.57	50.29	50.22	50.34	49.98	51.08	49.68	50.46	49.70	49.31	48.69
13	48.94	48.57	50.19	50.14	50.29	49.93	51.01	49.65	50.38	49.66	49.28	48.68
14	48.92	48.54	50.12	50.08	50.24	49.89	51.22	49.63	50.30	49.63	49.27	48.65
15	48.90	48.55	50.08	50.05	50.20	49.85	51.33	49.60	50.27	49.59	49.24	48.62
16	48.89	48.51	50.03	49.97	50.15	49.83	51.27	49.78	50.21	49.57	49.22	48.59
17	48.87	48.58	49.96	49.92	50.09	49.81	51.18	49.76	50.31	49.54	49.19	48.57
18	48.85	48.72	49.91	49.90	50.04	49.78	51.05	49.73	50.27	49.51	49.18	48.55
19	48.83	48.91	49.87	49.85	49.99	49.76	50.97	50.14	50.21	49.48	49.15	48.57
20	48.83	49.06	49.83	49.97	49.95	49.76	50.87	50.34	50.14	49.45	49.13	48.58
21	48.81	49.09	49.79	50.02	49.90	49.73	50.78	50.55	50.06	49.43	49.10	48.63
22	48.80	49.10	49.77	50.00	50.01	49.72	50.68	51.08	50.01	49.40	49.08	48.54
23	48.77	49.10	49.76	49.97	50.02	49.71	50.73	51.19	49.96	49.37	49.05	48.52
24	48.75	49.33	49.75	49.93	49.99	49.87	50.69	51.17	49.90	49.34	49.02	48.49
25	48.73	49.30	49.75	49.94	49.97	49.85	50.60	51.10	50.60	49.31	48.99	48.47
26	48.71	49.29	49.76	49.91	49.90	49.83	50.51	51.02	50.70	49.28	48.97	48.45
27	48.70	49.30	50.53	49.89	49.86	49.82	50.42	50.94	50.68	49.26	48.94	48.43
28	48.69	49.73	50.82	49.85	49.85	49.81	50.33	50.84	50.63	49.25	48.92	48.42
29	48.68	49.79	50.85	49.84	---	49.78	50.25	50.74	50.55	49.22	48.89	48.40
30	48.68	49.79	50.79	49.85	---	49.75	50.17	50.67	50.53	49.19	48.87	48.37
31	48.67	---	50.72	49.84	---	49.75	---	50.60	---	49.17	48.85	---
MAX	48.98	49.79	50.85	50.77	50.36	50.28	51.37	51.19	50.76	50.45	49.37	48.82
MIN	48.67	48.51	49.75	49.84	49.85	49.71	49.68	49.60	49.90	49.17	48.85	48.37

RED RIVER BASIN

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 miles west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1982.

REMARKS.--Records for the 1983 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons Apr. 6, 1978; minimum daily, 1,000 tons Oct. 3, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
08...	51700	165	23000	97
22...	69400	156	29200	99
NOV				
19...	88100	194	46200	98
DEC				
03...	74200	126	25300	97
JAN				
28...	128000	476	165000	86
FEB				
25...	235000	322	204000	79
MAR				
11...	293000	304	240000	90
25...	255000	406	279000	69
APR				
07...	337000	460	418000	65
22...	219000	541	320000	91
MAY				
06...	196000	439	233000	85
20...	123000	241	80000	91
JUN				
03...	166000	452	202000	95
17...	249000	434	292000	90
JUL				
01...	182000	426	209000	97
15...	149000	434	174000	97
29...	154000	470	196000	87
AUG				
12...	110000	359	107000	96
26...	132000	216	76800	88
SEP				
09...	132000	283	101000	85
23...	106000	207	59200	94

RED RIVER BASIN

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310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27000	25000	24000	82000	327000	212000	402000	284000	159000	209000	213000	59000
2	25000	24000	24000	95000	370000	241000	404000	277000	176000	191000	218000	58000
3	23000	24000	25000	109000	434000	262000	404000	270000	202000	167000	216000	64000
4	21000	24000	26000	129000	473000	261000	406000	240000	214000	164000	199000	70000
5	21000	26000	26000	117000	476000	260000	408000	232000	219000	159000	175000	73000
6	22000	29000	29000	127000	454000	262000	414000	233000	222000	157000	156000	79000
7	22000	33000	28000	137000	457000	261000	418000	209000	227000	143000	142000	88000
8	23000	36000	40000	140000	447000	260000	436000	193000	250000	127000	128000	90000
9	26000	39000	45000	137000	416000	262000	444000	181000	277000	122000	117000	101000
10	28000	32000	45000	145000	410000	255000	451000	172000	290000	124000	107000	146000
11	29000	25000	50000	172000	394000	240000	460000	163000	293000	125000	113000	163000
12	30000	26000	62000	209000	380000	234000	467000	157000	309000	129000	106000	172000
13	31000	26000	65000	237000	375000	220000	432000	148000	307000	154000	103000	172000
14	33000	29000	69000	351000	363000	215000	416000	130000	300000	194000	90000	124000
15	35000	30000	70000	336000	350000	207000	400000	127000	293000	174000	82000	98000
16	36000	30000	74000	345000	336000	192000	398000	121000	294000	177000	80000	87000
17	39000	33000	58000	349000	321000	192000	398000	118000	291000	186000	86000	78000
18	43000	33000	63000	335000	296000	199000	398000	117000	292000	187000	94000	77000
19	46000	33000	57000	287000	284000	208000	398000	96000	295000	186000	92000	70000
20	40000	32000	52000	239000	262000	214000	357000	80000	297000	187000	86000	64000
21	34000	31000	33000	218000	260000	221000	353000	84000	300000	182000	82000	56000
22	29000	30000	32000	205000	253000	230000	319000	95000	300000	183000	76000	53000
23	18000	28000	32000	167000	223000	245000	272000	96000	310000	177000	77000	59000
24	11000	26000	47000	164000	213000	257000	274000	97000	310000	167000	71000	65000
25	12000	24000	43000	157000	204000	279000	270000	90000	298000	165000	75000	72000
26	12000	24000	43000	140000	202000	293000	268000	94000	292000	166000	77000	71000
27	28000	23000	41000	145000	207000	324000	265000	99000	292000	164000	93000	69000
28	24000	21000	40000	164000	210000	328000	268000	115000	286000	180000	87000	65000
29	23000	19000	12000	203000	---	332000	275000	134000	266000	195000	86000	60000
30	24000	18000	15000	286000	---	387000	281000	142000	236000	208000	83000	56000
31	25000	---	21000	311000	---	400000	---	150000	---	210000	70000	---
TOTAL	840000	833000	1291000	6238000	9397000	7953000	11156000	4744000	8097000	5259000	3480000	2559000
MEAN	27100	27800	41600	201000	336000	257000	372000	153000	270000	170000	112000	85300
MAX	46000	39000	74000	351000	476000	400000	467000	284000	310000	210000	218000	172000
MIN	11000	18000	12000	82000	202000	192000	265000	80000	159000	122000	70000	53000
DAYS	31	30	31	31	28	31	30	31	30	31	31	30
WTR YR 1982	TOTAL	61847000		MEAN	169000	MAX	476000	MIN	11000	DAYS	365	

MISSISSIPPI RIVER DELTA

07381800 SPRING CREEK NEAR GLENMORA, LA

LOCATION.--Lat 31°00'10", long 92°34'10", in SE1/4NE1/4 sec.4, T.1 S., R.2 W., Rapides Parish, Louisiana meridian, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 165, 0.2 mi upstream from Missouri Pacific Railroad Co. bridge, 2.0 mi north of Glenmora, and 7.9 mi upstream from mouth.

DRAINAGE AREA.--68.4 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD LA 1974: 1962(M), 1964(M), 1965(P), 1966(M), 1967-68(P), 1971-72(M), 1973(P).

GAGE.--Water-stage recorder. Datum of gage is 63.28 ft National Geodetic Vertical Datum of 1929. Oct. 23, 1953, to Mar. 6, 1956, crest-stage gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--27 years, 91.5 ft³/s, 18.17 in/yr, 66,290 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,570 ft³/s, Dec. 26, 1982, gage height, 17.57 ft; minimum, 24 ft³/s Sept. 26, 27, 28, 29-30, Oct. 1, 2, 3, 4-5, 6, 1982; minimum gage height, 4.55 ft Oct. 4, 5, 6, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1886, 20.50 ft in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1100	1120	12.96	Feb. 1	2330	1130	12.98
Dec. 1	1845	2800	14.68	Apr. 6	0745	3240	14.99
Dec. 26	1545	*7570	*17.57	May 22	1900	1550	13.60

Minimum discharge, 24 ft³/s Oct. 1, 2, 3, 4-5, 6; minimum gage height 4.65 ft Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	26	1700	151	834	78	69	64	83	59	44	43
2	24	28	1700	240	980	75	67	63	67	56	118	43
3	24	29	503	183	246	72	65	64	64	54	293	43
4	24	28	873	112	118	100	64	62	62	52	117	43
5	24	27	394	92	148	592	530	61	65	51	156	43
6	25	27	138	82	320	623	2650	60	95	51	64	44
7	31	27	99	76	207	193	1630	60	108	50	57	43
8	34	27	82	125	119	115	524	60	77	49	55	43
9	28	27	73	184	137	95	173	59	64	49	52	42
10	26	27	68	145	372	85	134	59	60	48	51	42
11	26	27	78	97	283	78	112	63	58	48	50	42
12	34	29	128	78	134	75	99	61	57	47	49	44
13	38	28	123	71	104	72	111	58	56	47	49	44
14	29	28	81	67	92	70	277	58	55	49	48	42
15	28	28	97	65	84	69	270	67	56	49	47	42
16	28	28	98	63	80	68	127	102	76	48	49	41
17	27	38	84	61	75	67	100	145	72	47	50	42
18	26	38	68	60	72	66	90	73	62	46	54	42
19	26	323	62	60	70	64	83	84	60	46	50	48
20	26	386	59	178	69	72	80	218	69	46	47	165
21	26	139	57	261	126	69	77	452	59	46	47	361
22	26	61	58	138	454	67	76	1250	61	45	46	238
23	26	49	78	87	513	91	75	1050	60	45	45	76
24	26	334	68	73	190	348	72	176	60	45	45	57
25	25	233	67	82	117	313	70	107	72	44	45	51
26	25	82	4340	100	96	142	69	88	108	44	45	49
27	25	392	5070	81	86	110	68	79	103	44	44	47
28	25	1030	2640	69	85	99	67	74	111	44	44	46
29	26	419	1000	69	---	81	66	70	102	45	44	45
30	26	185	191	108	---	77	65	67	69	44	43	44
31	26	---	132	130	---	72	---	105	---	44	43	---
TOTAL	834	4150	20209	3388	6211	4198	7960	5059	2171	1482	1991	1995
MEAN	26.9	138	652	109	222	135	265	163	72.4	47.8	64.2	66.5
MAX	38	1030	5070	261	980	623	2650	1250	111	59	293	361
MIN	24	26	57	60	69	64	64	58	55	44	43	41
CFSM	.39	2.02	9.55	1.60	3.25	1.98	3.88	2.39	1.06	.70	.94	.97
IN.	.45	2.26	11.01	1.85	3.38	2.29	4.34	2.76	1.18	.81	1.08	1.09
AC-FT	1650	8230	40080	6720	12320	8330	15790	10030	4310	2940	3950	3960

CAL YR 1982	TOTAL	39204	MEAN 107	MAX 5070	MIN 24	CFSM 1.57	IN 21.35	AC-FT 77760
WTR YR 1983	TOTAL	59648	MEAN 163	MAX 5070	MIN 24	CFSM 2.39	IN 32.49	AC-FT 118300

MISSISSIPPI RIVER DELTA

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07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.66	4.70	13.41	7.06	12.16	5.82	5.66	5.57	5.90	5.46	5.13	5.10
2	4.86	4.74	13.69	8.25	12.62	5.77	5.63	5.54	5.62	5.39	6.25	5.10
3	4.67	4.78	10.47	7.50	8.09	5.72	5.59	5.55	5.55	5.34	8.86	5.10
4	4.66	4.75	12.33	6.49	6.46	6.16	5.57	5.52	5.51	5.30	6.41	5.11
5	4.66	4.73	9.57	6.19	6.87	11.06	8.19	5.49	5.57	5.29	6.98	5.11
6	4.67	4.73	6.78	6.03	9.20	11.35	14.56	5.47	6.10	5.28	5.56	5.12
7	4.82	4.72	6.17	5.93	7.73	7.54	13.65	5.47	6.30	5.25	5.41	5.11
8	4.89	4.72	5.89	6.66	6.48	6.42	10.23	5.47	5.79	5.24	5.38	5.10
9	4.75	4.72	5.73	7.52	6.71	6.10	7.28	5.45	5.56	5.23	5.30	5.09
10	4.71	4.73	5.64	6.98	9.84	5.93	6.70	5.46	5.48	5.22	5.27	5.09
11	4.70	4.73	5.82	6.26	8.71	5.82	6.37	5.54	5.44	5.21	5.25	5.09
12	4.90	4.77	6.60	5.96	6.71	5.76	6.16	5.50	5.42	5.20	5.25	5.12
13	5.00	4.76	6.53	5.84	6.24	5.72	6.34	5.44	5.40	5.20	5.24	5.12
14	4.79	4.76	5.87	5.77	6.04	5.69	8.66	5.43	5.38	5.22	5.22	5.08
15	4.75	4.75	6.13	5.72	5.92	5.66	8.55	5.61	5.39	5.25	5.20	5.07
16	4.74	4.76	6.15	5.67	5.85	5.64	6.60	6.20	5.76	5.21	5.23	5.07
17	4.72	4.98	5.91	5.64	5.77	5.63	6.18	6.85	5.70	5.19	5.25	5.07
18	4.71	4.99	5.64	5.61	5.72	5.59	6.02	5.73	5.52	5.18	5.35	5.08
19	4.70	8.70	5.52	5.61	5.68	5.56	5.91	5.91	5.48	5.18	5.25	5.22
20	4.70	9.88	5.45	7.38	5.65	5.72	5.84	7.86	5.66	5.17	5.19	6.98
21	4.70	6.75	5.40	8.50	6.53	5.67	5.81	10.43	5.45	5.18	5.18	9.71
22	4.70	5.50	5.43	6.86	10.50	5.61	5.79	13.09	5.50	5.16	5.16	8.10
23	4.69	5.24	5.82	6.11	10.93	5.99	5.78	12.57	5.48	5.15	5.15	5.77
24	4.69	9.33	5.64	5.88	7.52	9.53	5.72	7.30	5.48	5.14	5.16	5.41
25	4.69	8.06	5.61	6.03	6.45	9.08	5.68	6.30	5.70	5.14	5.14	5.29
26	4.68	5.88	14.52	6.31	6.11	6.83	5.65	5.99	6.31	5.13	5.14	5.23
27	4.68	8.85	16.14	6.01	5.95	6.33	5.64	5.84	6.20	5.12	5.13	5.19
28	4.69	12.75	14.54	5.79	5.93	6.16	5.62	5.74	6.34	5.12	5.13	5.17
29	4.70	9.56	12.19	5.79	---	5.86	5.60	5.68	6.22	5.14	5.12	5.15
30	4.70	7.29	7.61	6.43	---	5.79	5.58	5.62	5.65	5.13	5.11	---
31	4.70	---	6.80	6.69	---	5.72	---	6.25	---	5.12	5.10	---
MAX	5.00	12.75	16.14	8.50	12.62	11.35	14.56	13.09	6.34	5.46	8.86	9.71
MIN	4.66	4.70	5.40	5.61	5.65	5.56	5.57	5.43	5.38	5.12	5.10	5.07

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.47	5.58	15.47	21.66	16.83	14.84	12.09	13.41	13.76	10.06	6.03	5.92
2	5.40	5.59	15.95	21.43	17.41	14.65	11.51	13.15	13.55	9.77	6.34	6.24
3	5.32	5.60	16.46	21.18	17.53	14.43	10.88	12.84	13.31	9.39	10.02	6.72
4	5.40	5.59	17.09	20.87	17.40	14.31	10.30	12.30	13.12	8.52	14.26	6.63
5	5.64	5.58	17.43	20.56	17.29	14.62	11.39	11.56	12.87	8.01	14.73	6.47
6	5.62	5.58	17.42	20.26	17.43	15.03	16.11	10.83	12.75	7.59	14.64	6.38
7	5.66	5.57	17.24	19.97	17.48	15.24	17.69	10.17	12.92	7.17	14.43	6.59
8	5.74	5.56	17.04	19.82	17.38	15.13	18.00	9.59	12.85	6.89	14.18	6.80
9	5.72	5.57	16.82	19.83	17.23	14.94	17.94	9.09	12.46	6.67	13.98	6.70
10	5.64	5.57	16.60	19.77	17.26	14.72	17.75	8.76	11.75	6.47	13.77	6.62
11	5.54	5.58	16.45	19.58	17.30	14.49	17.53	8.59	11.00	6.50	13.53	6.57
12	5.54	5.59	16.31	19.33	17.21	14.27	17.31	8.29	10.48	6.71	13.28	6.57
13	5.62	5.59	16.15	19.09	17.05	14.05	17.13	7.98	9.87	6.58	13.01	6.54
14	5.63	5.57	15.97	18.85	16.83	13.82	17.15	7.81	9.28	6.49	12.60	6.46
15	5.59	5.54	15.87	18.61	16.62	13.59	17.08	7.97	8.85	6.44	11.93	6.44
16	5.52	5.53	15.78	18.37	16.41	13.36	16.92	8.46	8.53	6.29	11.18	6.43
17	5.44	5.53	15.66	18.14	16.20	13.13	16.71	8.37	8.73	6.17	10.59	6.43
18	5.39	3.87	15.49	17.90	15.98	12.82	16.48	8.34	8.44	6.04	10.19	6.45
19	5.34	4.60	15.29	17.67	15.76	12.30	16.22	8.43	8.16	6.05	9.76	6.60
20	5.30	6.62	15.08	17.71	15.52	11.77	15.98	8.77	8.02	6.21	9.27	7.16
21	5.24	8.99	14.86	17.87	15.44	11.22	15.75	12.28	7.84	6.13	8.78	7.75
22	5.19	9.88	14.64	17.87	15.56	10.65	15.53	14.32	7.75	6.02	8.32	8.44
23	5.14	10.10	14.43	17.71	15.70	10.43	15.32	15.18	8.07	5.89	7.90	9.06
24	5.09	11.14	14.23	17.51	15.74	11.80	15.09	15.41	8.12	5.83	7.55	9.09
25	5.23	11.79	14.20	17.32	15.60	12.87	14.85	15.28	8.55	5.78	7.28	8.84
26	5.51	12.63	16.56	17.13	15.41	13.27	14.61	15.05	8.43	5.73	7.18	8.56
27	5.51	13.28	21.53	16.92	15.21	13.34	14.37	14.82	8.81	5.71	6.93	8.37
28	5.56	14.20	23.19	16.70	15.04	13.29	14.13	14.57	10.00	5.78	6.70	8.09
29	5.58	14.87	23.02	16.51	---	13.15	13.89	14.33	10.28	6.03	6.50	7.79
30	5.58	15.15	22.51	16.31	---	12.94	13.65	14.11	10.21	6.03	6.30	7.52
31	5.58	---	22.00	16.16	---	12.62	---	13.94	---	6.03	6.11	---
MAX	5.74	15.15	23.19	21.66	17.53	15.24	18.00	15.41	13.76	10.06	14.73	9.09
MIN	5.09	3.87	14.20	16.16	15.04	10.43	10.30	7.81	7.75	5.71	6.03	5.92

MISSISSIPPI RIVER DELTA

07382495 BAYOU COURTABLEAU NEAR WASHINGTON, LA

LOCATION.--Lat 30°38'53", long 92°03'40", in NW1/4 lot 7, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, on left bank, 0.3 mi downstream from confluence of Bayous Cocodrie and Boeuf, 2.0 mi northwest of Washington, and 3.4 mi upstream from gaging station Bayou Courtableau at Washington (station 07382500).

DRAINAGE AREA.--701 mi². See REMARKS.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records, July 1946 to September 1975, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is at mean low Gulf level (Corps of Engineers bench mark). Prior to Feb. 28, 1949, nonrecording gage 0.3 mi upstream at same datum.

REMARKS.--Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 33.04 ft Jan. 11, 1983; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1946, 38.65 ft May 19, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.04 ft Jan. 11; minimum, 11.57 ft Oct. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.22	11.91	26.28	31.96	28.27	20.78	18.78	19.16	27.67	19.41	16.86	16.44
2	13.72	12.27	26.53	32.15	28.95	20.34	18.28	19.00	26.57	18.75	17.16	16.57
3	13.36	12.47	26.89	32.36	29.37	20.03	17.81	18.86	25.24	18.29	19.42	16.67
4	13.04	12.59	28.06	32.43	29.50	19.97	17.32	18.69	23.61	17.93	20.78	16.80
5	12.76	12.63	28.56	32.56	29.61	23.33	19.21	18.57	21.92	17.52	21.56	16.92
6	12.54	12.68	28.78	32.71	29.90	26.22	27.72	18.37	20.80	17.60	21.42	16.96
7	12.54	12.73	28.80	32.77	29.97	26.50	28.86	18.09	20.71	17.39	20.08	16.83
8	13.19	12.75	28.70	32.84	29.91	26.43	29.51	17.83	20.42	16.77	19.07	16.67
9	13.52	12.81	28.49	32.96	29.73	25.83	29.90	17.50	19.91	16.01	19.25	16.55
10	13.30	12.83	28.22	33.01	29.54	24.80	30.12	17.62	19.40	15.26	19.20	16.43
11	12.94	12.91	28.00	33.02	29.29	23.43	30.22	17.76	18.99	14.75	19.09	16.36
12	12.67	13.07	27.77	33.00	28.99	21.67	30.20	17.78	18.63	15.01	19.46	16.44
13	12.44	13.18	27.44	32.91	28.61	20.17	30.12	17.76	18.33	15.15	20.31	16.49
14	12.51	13.20	26.99	32.81	28.15	19.46	30.05	17.76	18.11	15.34	19.83	16.46
15	13.25	13.13	26.59	32.70	27.56	19.43	29.87	17.90	18.08	16.10	19.23	16.33
16	13.46	12.86	26.16	32.57	26.77	18.97	29.62	19.57	18.31	16.67	18.76	16.20
17	13.13	12.64	25.44	32.50	25.67	18.40	29.30	20.14	18.37	16.90	18.46	16.11
18	12.85	13.09	24.43	32.18	24.45	18.09	28.90	19.72	18.40	17.02	18.17	16.13
19	12.66	14.64	23.51	31.90	23.37	17.86	28.39	21.82	18.09	17.09	17.79	16.61
20	12.53	17.88	22.40	31.96	22.13	17.64	27.69	24.49	17.85	17.12	17.35	16.20
21	12.42	20.09	21.42	31.69	21.02	17.40	26.76	27.36	17.51	17.11	16.83	20.65
22	12.28	20.51	20.99	31.42	21.16	17.21	25.52	29.17	17.47	17.07	16.24	20.74
23	12.10	19.80	20.81	31.16	22.58	16.99	24.15	29.84	18.05	17.02	15.64	19.98
24	11.92	19.40	20.72	30.81	23.11	20.03	22.76	30.11	18.83	16.97	15.12	19.49
25	11.76	20.45	20.62	30.44	22.84	23.67	21.35	30.24	19.97	16.95	14.57	18.98
26	11.62	20.56	24.45	30.01	22.15	23.97	20.53	30.25	19.26	16.91	14.09	18.44
27	11.72	20.70	29.40	29.51	21.41	24.21	20.14	30.17	19.17	16.88	14.40	17.95
28	11.82	24.68	30.45	28.92	21.04	23.63	19.88	29.95	19.60	16.86	15.24	17.47
29	11.77	25.46	31.09	28.44	---	22.30	19.59	29.61	20.27	16.86	15.70	16.90
30	11.69	25.62	31.49	28.02	---	20.54	19.35	29.11	20.12	16.84	15.87	16.25
31	11.64	---	31.74	27.45	---	19.42	---	28.47	---	16.80	16.20	---
MAX	14.22	25.62	31.74	33.02	29.97	26.50	30.22	30.25	27.67	19.41	21.56	20.74
MIN	11.62	11.91	20.62	27.45	21.02	16.99	17.32	17.50	17.47	14.75	14.09	16.11

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW1/4NW1/4 lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Co. bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

DRAINAGE AREA.--715 mi². See REMARKS.

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

REMARKS.--Records good except for those periods of indefinite stage-discharge relationship which are poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Records of water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 1069 ft³/s, 774,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft³/s May 21, 1953; maximum elevation, 35.29 ft May 22, 1953; minimum discharge, 70 ft³/s Oct. 19, 1973; minimum elevation, 10.72 ft Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,280 ft³/s Jan. 12; maximum elevation, 30.07 ft Jan. 11, minimum daily discharge, 115 ft³/s Oct. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	191	3640	5250	4010	1760	1260	953	4020	1010	245	209
2	207	239	3730	5380	4160	1600	1120	892	3560	798	298	206
3	195	257	3760	5600	4330	1420	984	838	3070	661	1140	210
4	180	255	3810	5680	4550	1310	851	779	2460	567	1570	223
5	169	243	3910	5820	4670	2300	1700	738	1890	462	1870	246
6	160	245	4080	6000	4700	3530	3280	675	1510	395	1870	273
7	152	245	4250	6080	4690	3610	3590	594	1440	342	1540	270
8	146	238	4330	6130	4690	3640	4060	558	1310	272	1260	260
9	171	243	4430	6170	4690	3500	4470	445	1180	205	1110	260
10	169	243	4360	6210	4630	3130	4740	369	1030	200	1060	252
11	159	256	4290	6240	4590	2710	4890	378	886	190	1000	254
12	156	279	4230	6260	4530	2210	4990	377	752	195	1140	297
13	151	285	4100	6230	4430	1660	5010	373	630	200	1410	292
14	205	283	3920	6200	4290	1310	5020	386	557	210	1170	271
15	312	270	3760	6160	4080	1230	4960	455	459	220	952	247
16	285	232	3720	6130	3810	1280	4860	1100	502	230	793	242
17	213	220	3380	6230	3480	1100	4730	1280	525	240	702	245
18	183	330	3040	6040	3030	992	4580	1160	580	250	643	279
19	176	480	2780	5860	2710	930	4360	1990	509	260	568	401
20	181	646	2370	5840	2260	885	4080	2860	395	260	502	1100
21	180	1310	1930	5500	1800	826	3730	3490	349	260	430	1490
22	176	1600	1710	5310	1680	786	3340	3570	380	255	384	1590
23	159	1620	1620	5250	2260	840	2860	3890	410	250	348	1320
24	144	1440	1590	5170	2570	1500	2300	4270	482	250	319	1060
25	133	1780	1540	5110	2530	2570	1750	4550	876	245	288	909
26	115	1860	2600	5000	2320	2730	1430	4740	672	240	263	713
27	124	1620	3300	4880	2040	2810	1270	4830	588	245	199	581
28	141	2950	3680	4710	1800	2710	1170	4830	845	245	194	512
29	144	3280	4230	4500	---	2440	1080	4760	1280	240	213	457
30	140	3380	4770	4230	---	1880	1010	4590	1240	235	189	412
31	141	---	5170	3990	---	1470	---	4340	---	230	196	---
TOTAL	5407	26520	108030	173160	99330	60669	93475	65060	34387	9862	23866	15081
MEAN	174	884	3485	5586	3548	1957	3116	2099	1146	318	770	503
MAX	312	3380	5170	6260	4700	3640	5020	4830	4020	1010	1870	1590
MIN	115	191	1540	3990	1680	786	851	369	349	190	189	206
AC-FT	10720	52600	214300	343500	197000	120300	185400	129000	68210	19560	47340	29910
CAL YR 1982 TOTAL	328008	MEAN	899	MAX	5170	MIN	79	AC-FT	650600			
WTR YR 1983 TOTAL	714847	MEAN	1958	MAX	6260	MIN	115	AC-FT	1418000			

NOTE.--Indefinite stage-discharge, Nov. 17-19, Dec. 26, Mar. 23, 24, Apr. 5, July 10 to Aug. 1.

MISSISSIPPI RIVER DELTA

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.55	12.07	24.23	29.83	26.45	19.74	17.96	19.06	25.59	19.23	17.34	16.90
2	14.06	12.35	24.41	29.95	27.18	19.44	17.57	18.95	24.73	18.74	17.57	17.04
3	13.96	12.54	24.87	29.97	27.50	19.37	17.22	18.86	23.65	18.40	19.09	17.13
4	13.37	12.67	26.43	29.97	27.37	19.47	16.87	18.74	22.37	18.11	20.08	17.26
5	13.03	12.74	26.97	29.94	27.34	22.25	19.46	18.64	21.00	17.78	20.58	17.37
6	12.88	12.81	27.05	29.89	27.73	24.28	26.61	18.50	20.20	17.96	20.40	17.39
7	12.89	12.86	28.80	29.87	27.83	24.55	27.67	18.27	20.22	17.76	19.22	17.25
8	13.61	12.90	26.56	29.92	27.75	24.40	28.01	18.03	20.05	17.16	18.38	17.07
9	13.91	12.95	26.17	30.03	27.48	23.64	28.03	17.80	19.61	16.43	18.91	16.97
10	13.68	12.98	25.82	30.06	27.31	22.92	27.98	18.00	19.24	15.66	18.95	16.85
11	13.32	13.03	25.60	30.04	27.02	21.64	27.88	18.14	18.95	15.18	18.90	16.77
12	13.02	13.16	25.41	29.98	26.71	20.12	27.73	18.16	18.70	15.46	19.13	16.81
13	12.78	13.26	25.12	29.98	26.31	19.12	27.58	18.14	18.50	15.59	19.76	16.87
14	12.72	13.27	24.71	29.80	25.87	18.82	27.48	18.13	18.33	15.80	19.54	16.86
15	13.27	13.25	24.47	29.70	25.34	18.93	27.31	18.21	18.40	16.58	19.13	16.75
16	13.06	13.04	24.08	29.55	24.61	18.20	27.10	19.34	18.61	17.16	18.80	16.62
17	13.40	13.02	23.41	29.39	23.58	17.82	26.84	19.75	18.66	17.38	18.57	16.52
18	13.16	13.61	22.53	29.19	22.57	17.61	26.51	19.43	18.63	17.50	18.31	16.50
19	12.97	15.03	21.64	28.94	21.57	17.42	26.10	20.76	18.36	17.58	17.97	16.87
20	12.82	17.98	20.81	29.12	20.65	17.23	25.53	22.94	18.08	17.60	17.56	18.86
21	12.69	19.64	20.28	29.13	19.98	17.05	24.73	25.91	17.90	17.58	17.07	20.05
22	12.56	19.68	20.09	29.04	20.38	16.88	23.60	28.07	17.88	17.55	16.49	19.99
23	12.40	18.63	20.00	28.74	21.25	16.92	22.43	28.57	18.42	17.50	15.89	19.48
24	12.24	18.44	19.97	28.32	21.45	20.50	21.44	28.55	19.19	17.45	15.37	19.29
25	12.09	19.26	19.92	27.90	21.13	22.26	20.50	28.39	20.05	17.42	14.84	18.90
26	11.98	19.23	23.81	27.45	20.57	22.41	20.00	28.16	19.47	17.39	14.36	18.52
27	12.07	19.83	28.57	26.93	20.08	22.61	19.76	27.91	19.46	17.37	14.79	18.13
28	12.13	23.05	29.50	26.35	20.00	21.95	19.60	27.59	19.67	17.35	15.67	17.68
29	12.07	23.62	29.78	25.94	---	20.54	19.39	27.23	19.92	17.34	16.13	17.11
30	11.98	23.69	29.77	25.78	---	19.15	19.20	26.79	19.75	17.32	16.33	16.46
31	11.92	---	29.69	25.32	---	18.40	---	26.25	---	17.29	16.67	---
MAX	14.55	23.69	29.78	30.06	27.83	24.55	28.03	28.57	25.59	19.23	20.58	20.05
MIN	11.92	12.07	19.92	25.32	19.98	16.88	16.87	17.80	17.88	15.18	14.36	16.46

MISSISSIPPI RIVER DELTA

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07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE1/4 sec. 29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 mi². See REMARKS.

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

REVISED RECORDS.--WDR-LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaisses diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 419 ft³/s, 311,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 ft³/s Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,610 ft³/s Jan. 9; maximum gage height, 19.32 ft Dec. 27; minimum discharge, 19 ft³/s Sept. 4, gage height, 2.51 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	48	1980	2260	1930	597	323	251	911	263	55	44
2	45	64	1690	2430	1680	435	306	230	816	210	62	34
3	41	75	1600	2470	1660	344	275	179	691	158	165	26
4	39	77	2300	2520	1630	324	232	156	487	117	369	21
5	37	77	2200	2520	1740	1590	271	200	387	95	394	32
6	36	78	2100	2520	2010	1470	1900	234	416	110	417	42
7	37	83	1990	2500	1900	1320	1950	210	634	105	319	47
8	36	84	1900	2500	1800	1250	1860	202	571	90	227	45
9	36	86	1800	2580	1740	1180	1920	219	474	80	168	42
10	49	84	1710	2530	1860	1110	1970	250	372	70	191	41
11	53	82	1640	2480	1750	1040	2020	246	318	68	179	42
12	54	82	1580	2430	1650	948	2040	244	272	58	126	44
13	60	81	1480	2360	1570	844	2000	252	230	48	90	45
14	66	82	1370	2270	1470	647	2060	242	200	38	77	52
15	85	80	1310	2170	1360	417	2000	269	195	42	66	82
16	81	79	1240	2050	1250	299	1930	494	180	44	57	81
17	70	87	1170	1930	1150	239	1880	532	178	58	51	67
18	59	99	1090	1800	1060	211	1810	436	175	64	60	60
19	53	411	1010	1680	969	192	1710	450	170	58	82	70
20	49	835	926	1870	856	191	1600	644	165	61	100	254
21	46	744	828	1880	670	179	1480	1490	160	68	82	452
22	42	819	670	1760	836	186	1370	1610	155	53	95	506
23	42	817	444	1650	963	202	1280	1470	150	54	91	394
24	39	1140	326	1550	1010	826	1150	1490	148	56	66	282
25	33	1010	283	1510	1020	980	1040	1460	145	53	56	187
26	30	913	1490	1420	986	956	945	1410	140	49	44	131
27	35	1020	2080	1330	916	998	832	1370	135	43	40	96
28	39	1500	1970	1230	806	916	643	1310	190	38	40	91
29	34	1470	1940	1150	---	828	397	1210	245	36	50	78
30	29	1390	2040	1070	---	663	278	1120	274	42	68	73
31	30	---	2120	1030	---	433	---	1000	---	54	54	---
TOTAL	1433	13497	46277	61450	38242	21815	39472	20880	9584	2383	3941	3461
MEAN	46.2	450	1493	1982	1366	704	1316	674	319	76.9	127	115
MAX	85	1500	2300	2580	2010	1590	2060	1610	911	263	417	506
MIN	29	48	283	1030	670	179	232	156	135	36	40	21
AC-FT	2840	26770	91790	121900	75850	43270	78290	41420	19010	4730	7820	6860
CAL YR 1982 TOTAL	135109.5		MEAN 370	MAX 2300	MIN 9.5	AC-FT 268000						
WTR YR 1983 TOTAL	262435.0		MEAN 719	MAX 2580	MIN 21	AC-FT 520500						

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	2.82	13.43	15.58	15.70	6.95	5.22	4.85	9.25	5.13	3.10	2.95
2	2.80	3.03	12.44	16.68	13.87	5.88	5.08	4.66	8.77	4.69	3.19	2.76
3	2.75	3.15	12.08	16.07	12.13	5.17	4.82	4.22	8.12	4.22	4.28	2.63
4	2.73	3.18	16.64	15.72	11.76	5.38	4.46	4.01	6.87	3.86	6.02	2.53
5	2.68	3.18	16.53	15.56	12.46	13.77	4.79	4.40	6.16	---	6.21	2.70
6	2.67	3.19	14.82	15.42	14.18	12.20	18.25	4.70	6.66	---	6.38	2.84
7	2.68	3.25	13.76	15.29	12.90	10.77	18.44	4.50	7.97	---	5.60	2.89
8	2.66	3.27	13.18	15.87	12.38	10.49	16.40	4.42	7.43	---	4.83	2.86
9	2.67	3.28	12.83	17.19	12.20	10.30	15.33	4.57	6.79	---	4.31	2.82
10	2.84	3.26	12.52	16.25	12.77	9.98	14.31	4.84	6.04	---	4.52	2.80
11	2.90	3.24	12.27	15.55	12.23	9.57	13.84	4.80	5.59	---	4.41	2.80
12	2.90	3.24	12.01	15.09	11.87	9.11	13.64	4.78	5.20	---	3.90	2.81
13	2.97	3.23	11.60	14.73	11.52	8.57	13.51	4.85	4.94	3.01	3.52	2.83
14	3.05	3.24	11.20	14.40	11.13	7.49	13.71	4.77	4.66	2.88	3.37	2.92
15	3.28	3.22	10.94	14.06	10.70	5.97	13.49	4.99	4.61	2.93	3.24	3.27
16	3.23	3.21	10.66	13.68	10.26	5.02	13.28	6.74	4.48	2.96	3.13	3.26
17	3.10	3.30	10.33	13.27	9.81	4.52	13.10	7.00	4.54	3.14	3.05	3.08
18	2.96	3.44	9.97	12.83	9.36	4.29	12.87	6.33	4.34	3.22	3.17	2.98
19	2.89	5.85	9.56	12.42	8.91	4.12	12.54	7.01	4.47	3.14	3.43	3.10
20	2.84	8.68	9.13	13.67	8.34	4.11	12.12	7.78	4.47	3.18	3.64	5.01
21	2.79	8.22	8.64	13.55	7.37	4.00	11.63	14.19	4.38	3.26	3.43	6.44
22	2.74	8.60	7.81	12.69	8.24	4.06	11.18	15.90	4.25	3.08	3.58	6.83
23	2.74	8.58	6.39	12.28	8.87	4.21	10.80	13.70	4.28	3.09	3.53	6.03
24	2.69	10.18	5.47	11.88	9.09	8.48	10.23	12.06	4.16	3.12	---	5.10
25	2.62	9.54	5.11	11.73	9.15	9.28	9.72	11.54	4.15	3.08	3.11	4.29
26	2.56	9.07	12.75	11.39	8.99	9.16	9.23	11.37	4.43	3.02	2.92	3.76
27	2.64	9.57	19.22	11.02	8.64	9.37	8.66	11.22	4.42	2.94	2.89	3.40
28	2.70	13.07	18.32	10.63	8.09	8.95	7.65	10.97	4.55	2.88	2.88	3.34
29	2.63	11.57	16.97	10.24	---	8.49	6.02	10.60	5.00	2.84	3.00	3.20
30	2.55	11.25	15.76	9.86	---	7.48	5.07	10.16	5.22	2.93	3.22	3.13
31	2.57	---	14.97	9.75	---	6.09	---	9.69	---	3.09	3.04	---
MAX	3.28	13.07	19.22	17.19	15.70	13.77	18.44	15.90	9.25	5.13	6.58	6.83
MIN	2.55	2.82	5.11	9.75	7.37	4.00	4.46	4.01	4.15	2.84	2.88	2.53

MISSISSIPPI RIVER DELTA

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07383510 BAYOU DES GLAISES DIVERSION CHANNEL NEAR MOREAUVILLE, LA

LOCATION.--Lat 30°59'59", long 91°58'57", in NW1/4SE1/4 sec.4, T.1 S., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on unnumbered parish road, 2.5 mi south of Moreauville, and 2.5 mi downstream from gaging station Bayou des Glaisses diversion channel at Moreauville (station 07383500).

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--April 1972 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.76 ft Apr. 21, 1977; minimum gage height, 2.13 ft July 11, 1982, but may have been less during the periods of no gage height record.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.39 ft Dec. 27; minimum gage height, 2.19 ft Oct. 28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.50	2.51	---	15.47	16.55	6.26	---	4.23	8.22	4.54	---	2.40
2	2.46	2.54	---	16.68	14.63	5.28	---	4.07	7.76	---	---	---
3	2.42	2.58	---	15.70	12.04	4.66	---	3.89	7.18	---	---	---
4	2.39	2.58	---	15.06	11.19	5.37	---	3.87	6.09	---	5.55	---
5	2.35	2.59	---	14.74	11.98	14.72	---	3.90	5.91	---	5.54	---
6	2.34	---	---	14.52	14.34	12.62	---	4.08	6.97	---	5.62	---
7	2.34	---	12.97	14.34	12.56	10.39	---	3.94	8.18	---	4.97	---
8	2.33	---	12.38	15.26	11.70	9.68	17.36	3.91	6.79	---	4.39	2.50
9	2.31	---	11.88	17.11	11.47	9.41	15.88	3.98	6.03	---	---	2.43
10	2.41	2.57	11.52	15.82	12.50	---	14.27	4.20	5.33	---	---	---
11	2.47	2.55	11.34	14.84	11.62	---	13.38	4.16	4.92	---	---	---
12	2.47	---	11.16	14.22	11.07	---	12.93	4.16	4.60	---	---	2.42
13	2.53	---	10.65	13.78	10.66	---	12.64	4.21	---	---	---	2.46
14	2.59	---	10.24	13.42	10.25	---	12.78	4.13	---	---	---	2.50
15	2.87	---	10.14	13.08	9.83	---	12.52	4.50	---	---	---	2.82
16	2.86	---	9.86	12.70	9.40	---	12.23	6.19	---	---	---	2.87
17	2.70	---	9.43	12.30	8.96	---	12.02	6.13	5.09	---	---	---
18	2.58	---	9.03	11.86	8.52	---	11.78	5.55	---	---	---	---
19	2.51	---	8.63	11.46	8.08	---	11.45	7.69	---	---	---	---
20	2.46	---	8.22	13.45	7.57	---	11.03	8.10	---	---	---	5.58
21	2.41	---	7.77	13.36	6.70	---	10.54	15.24	---	---	---	6.15
22	2.37	---	7.09	12.07	7.70	---	10.14	17.15	---	---	---	6.12
23	2.31	---	5.86	11.45	8.14	---	9.95	14.63	---	---	---	5.44
24	2.27	---	5.00	10.99	8.19	---	9.25	12.15	---	---	---	4.64
25	2.30	---	4.67	10.99	8.21	---	8.70	11.03	---	---	---	3.96
26	2.26	---	12.53	10.62	8.06	---	8.26	10.56	---	---	2.40	3.55
27	2.22	---	20.28	10.24	7.76	---	7.77	10.25	---	---	2.81	3.16
28	2.19	---	19.45	9.81	7.35	---	6.89	9.92	---	---	2.57	3.03
29	2.25	---	17.92	9.41	---	---	5.41	9.54	---	---	2.48	2.91
30	2.40	---	16.24	9.06	---	---	4.48	9.10	4.60	---	2.68	2.81
31	2.48	---	14.93	9.05	---	---	---	8.65	---	---	2.50	---
MAX	2.87	---	20.28	17.11	16.55	14.72	---	17.15	8.22	4.54	5.62	6.15
MIN	2.19	2.51	4.67	9.05	6.70	---	---	3.87	---	---	2.40	---

NOTE.--No gage-height record, Nov. 6-0, Nov. 12 to Dec. 6, Mar. 10 to Apr. 7, June 13-16, 18-29, July 2 to Aug. 3, Aug. 9-25, Sept. 2-7, 1, 11, 17-19.

MISSISSIPPI RIVER DELTA

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'55", long 91°49'55", in SW1/4NW1/4 sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi upstream from Slow Bayou, 2.0 mi northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gauge heights above 9.9 ft only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft lower.

REMARKS.--No gage heights recorded below 9.99 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.89 ft Jan. 2, minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.02	15.56	18.75	17.53	15.60	14.83	16.20	17.66	16.82	11.48	11.41
2	---	10.00	15.67	18.87	17.68	15.50	14.58	16.16	17.61	16.64	11.55	11.45
3	---		15.65	18.88	17.71	15.38	14.33	16.13	17.55	16.40	11.76	11.45
4	---		16.91	18.84	17.72	15.23	14.09	16.09	17.48	16.14	13.17	11.42
5	---		17.29	18.79	17.69	15.47	13.89	16.06	17.42	15.83	13.49	11.40
6	10.71		17.35	18.71	17.91	15.82	16.80	16.04	17.39	15.66	13.64	11.44
7	10.65		17.40	18.66	17.92	15.95	17.76	16.01	17.45	15.37	13.67	11.46
8	10.90		17.34	18.60	17.91	16.14	18.04	15.96	17.44	15.05	13.57	11.46
9	10.89		17.28	18.62	17.87	16.15	18.15	15.91	17.41	14.74	13.29	11.43
10	10.87		17.20	18.55	17.90	16.07	18.21	15.82	17.37	14.47	13.04	11.39
11	10.81		17.15	18.48	17.91	15.93	18.22	15.82	17.30	14.21	12.85	11.35
12	10.74		17.07	18.40	17.81	15.71	18.16	15.79	17.23	13.63	12.68	11.31
13	10.68		16.95	18.36	17.72	15.48	18.08	15.75	17.13	13.37	12.84	11.28
14	10.60		16.82	18.29	17.63	15.24	18.05	15.71	17.05	13.27	12.75	11.24
15	10.54		16.78	18.21	17.53	14.99	17.96	15.69	16.98	13.23	12.61	11.19
16	10.54	10.01	16.78	18.12	17.38	14.78	17.84	15.82	17.26	13.12	12.49	11.15
17	10.54	10.09	16.68	18.02	17.23	14.58	17.76	15.84	17.29	12.93	12.46	11.13
18	10.52	10.16	16.55	17.89	17.05	14.39	17.57	15.89	17.27	12.77	12.47	11.12
19	10.48	10.26	16.39	17.75	16.88	14.23	17.45	16.03	17.24	12.67	12.40	11.12
20	10.44	10.33	16.25	17.93	16.71	14.09	17.34	16.12	17.15	12.57	12.33	11.19
21	10.39	10.55	16.14	18.02	16.50	13.95	17.21	16.58	17.06	12.48	12.24	11.30
22	10.35	10.91	16.07	18.00	16.37	13.80	17.06	17.22	16.92	12.40	12.14	11.61
23	10.30	11.26	16.04	17.95	16.23	13.65	17.00	17.53	17.04	12.27	12.04	12.37
24	10.26	12.09	16.04	17.87	16.10	14.58	16.87	17.70	16.92	12.13	11.96	12.47
25	10.23	12.62	16.04	17.80	15.95	15.00	16.72	17.82	17.02	11.99	11.86	12.36
26	10.19	13.07	16.10	17.70	15.79	15.15	16.59	17.89	16.98	11.94	11.73	12.25
27	10.16	13.29	17.72	17.56	15.64	15.35	16.47	17.92	16.99	11.86	11.61	12.15
28	10.13	14.18	18.15	17.43	15.65	15.40	16.39	17.89	17.02	11.79	11.53	12.05
29	10.10	14.52	18.34	17.29	---	15.35	16.30	17.86	17.03	11.69	11.46	11.94
30	10.08	15.23	18.48	17.27	---	15.22	16.24	17.79	16.95	11.59	11.39	11.84
31	10.05	---	18.56	17.19	---	15.04	---	17.72	---	11.52	11.36	---
MAX	10.90	15.23	18.56	18.88	17.92	16.15	18.22	17.92	17.66	16.82	13.67	12.47
MIN	10.05	---	15.56	17.19	15.64	13.65	13.89	15.69	16.92	11.52	11.36	11.12

NOTE.--No gage-height record Oct. 1-5.

MISSISSIPPI RIVER DELTA

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303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT											
29...	0750	472	7.2	20	9.0	<1.0	7.4	15	2.9	2200	84
DEC											
10...	0750	99	6.5	140	45	<1.0	5.8	47	1.9	K2000	K90
JAN											
07...	0755	71	6.7	80	50	<1.0	6.8	21	1.8	1300	K140
28...	0830	87	6.5	140	45	<1.0	8.8	23	2.0	1100	K300
FEB											
25...	0735	138	6.7	120	95	<1.0	7.6	23	3.7	1200	400
MAR											
18...	0810	170	6.8	100	50	<1.0	6.6	24	2.0	K180	80
APR											
29...	0815	135	6.8	80	65	<1.0	4.7	15	1.8	K160	K60
JUN											
10...	1115	174	6.8	120	180	<1.0	5.5	32	3.2	800	120
24...	0800	189	6.8	80	85	<1.0	4.0	<10	2.7	K1600	240
AUG											
01...	0845	432	7.6	5	10	<1.0	7.9	16	2.1	700	K150
SEP											
07...	0740	489	7.6	10	15	<1.0	8.3	19	2.8	3300	240
30...	0800	249	7.3	50	50	<1.0	8.0	80	3.3	4600	580

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
29...	170	44	15	24	3.9	176	21	28	16	.18	.02
DEC											
10...	43	10	4.4	3.8	3.5	42	4.0	4.4	31	.07	.03
JAN											
07...	29	7.0	2.7	2.4	2.2	28	3.0	3.0	38	.05	.05
28...	29	7.1	2.8	3.0	1.6	33	7.0	3.7	9	.15	.05
FEB											
25...	54	13	5.1	5.3	2.0	51	6.4	6.3	58	.31	.09
MAR											
18...	70	17	6.6	7.5	2.3	63	14	8.2	39	.15	.05
APR											
29...	56	14	5.0	4.1	2.5	51	10	5.3	24	.15	.05
JUN											
10...	69	17	6.5	7.6	3.0	63	8.0	9.7	122	.74	.16
24...	78	20	6.7	7.4	3.0	69	10	9.1	70	.51	.09
AUG											
01...	170	46	14	21	3.3	121	44	26	25	1.9	.02
SEP											
07...	170	44	15	30	3.4	136	62	28	40	.45	.05
30...	92	23	8.5	13	4.6	80	21	13	20	.99	.11

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

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

MISSISSIPPI RIVER DELTA

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)
OCT 29...	.2	.9	.06	3	2	<10	1	<1	1	10	<1	8
DEC 10...	.1	.7	.32	2	2	<10	--	1	--	20	<1	--
JAN 07...	.1	.7	.22	2	1	<10	<1	3	<1	10	<1	13
28...	.2	.3	.15	2	2	<10	<1	4	2	10	<1	8
FEB 25...	.4	.6	.23	2	1	<10	<1	1	<1	50	<1	9
MAR 18...	.2	.6	.19	3	1	<10	<1	1	<1	30	<1	5
APR 29...	.2	.6	.28	4	3	<10	<1	1	<1	10	<1	4
JUN 10...	.9	.9	.28	5	3	<10	<1	<1	<1	30	<1	10
24...	.6	.5	.24	3	2	<10	<1	<1	<1	20	<1	8
AUG 01...	1.9	.5	.12	3	2	<10	<1	<1	<1	10	<1	4
SEP 07...	.5	.9	.09	5	3	<10	<1	2	<1	10	<1	5
30...	1.1	1.1	.15	5	3	<10	<1	1	<1	10	<1	5

DATE	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 29...	7	3	3	1	<.1	<.1	--	4	<1	<1	.8	30
DEC 10...	10	--	20	10	<.1	--	4	1	<1	--	1.8	40
JAN 07...	10	200	8	6	<.1	<.1	20	2	<1	<1	3.6	160
28...	6	140	1	<1	.1	.3	7	2	<1	<1	3.5	60
FEB 25...	9	190	4	3	.3	.1	1	1	<1	<1	1.4	50
MAR 18...	4	180	5	1	.2	.1	4	1	<1	<1	1.5	40
APR 29...	3	130	15	4	<.1	<.1	10	6	<1	<1	<.1	20
JUN 10...	9	130	10	10	<.1	<.1	9	1	<1	<1	6.6	60
24...	5	67	10	4	<.1	.2	6	1	<1	<1	1.0	80
AUG 01...	3	6	6	1	<.1	<.1	6	1	<1	<1	2.7	60
SEP 07...	--	<3	4	3	<.1	<.1	3	3	1	1	2.0	150
30...	4	83	6	1	<.1	<.1	3	2	<1	<1	3.0	100

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

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 29...	8	6.1	<.01	4	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
DEC 10...	--	11	<.01	12	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
JAN 07...	46	7.3	<.01	8	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
JAN 28...	26	7.0	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
FEB 25...	13	8.7	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
MAR 18...	14	9.1	<.01	18	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
APR 29...	11	8.5	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
JUN 10...	12	12	<.01	1	1	<.1	<.1	<.001	<.1	<.001	<.001	.008
JUN 24...	37	9.6	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
AUG 01...	29	3.7	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
SEP 07...	7	3.7	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
SEP 30...	43	10	<.01	4	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 29...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	.01	<.01
DEC 10...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 07...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 28...	<.01	.090	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
FEB 25...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAR 18...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
APR 29...	<.01	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN 10...	.01	<.001	<.001	.006	.01	<.001	<.001	<.001	.01	<.01	.01	.01
JUN 24...	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
AUG 01...	<.01	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP 07...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP 30...	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	.03	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 29...	<.01	<.01	<.1	<1	<.01	1.6	<.01	<.01	<.01	3.8	<.1
DEC 10...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01	1.0	<.1
JAN 07...	<.01	<.01	<.1	<1	<.01	--	--	--	--	<.1	<.1
JAN 28...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01	2.9	<.1
FEB 25...	<.01	<.01	<.1	<1	<.01	.01	<.01	<.01	<.01	2.8	<.1
MAR 18...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01	5.9	<.1
APR 29...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01	11.0	<.1
JUN 10...	<.01	.01	<.1	<1	.01	.09	<.01	<.01	<.01	28.0	<.1
JUN 24...	<.01	<.01	<.1	<1	<.01	.03	<.01	.01	<.01	4.6	<.1
AUG 01...	<.01	<.01	<.1	<1	<.01	.05	<.01	.01	<.01	10.0	<.1
SEP 07...	<.01	<.01	<.1	<1	<.01	.01	<.01	.01	<.01	16.0	1.3
SEP 30...	<.01	<.01	<.1	<1	<.01	.11	<.01	.01	<.01	22.0	2.6

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

MISSISSIPPI RIVER DELTA

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 29...	0800	448	7.4	15	7.0	<1.0	8.7	15	2.8	--	K6200
DEC 10...	0805	100	6.8	140	45	<1.0	5.6	49	1.9	K380	K380
JAN 07...	0810	70	6.4	120	50	<1.0	7.1	25	2.0	1100	K130
28...	0845	88	6.5	140	45	<1.0	8.2	20	.9	1000	300
FEB 25...	0750	139	6.8	120	95	<1.0	7.6	18	1.6	1200	260
MAR 18...	0800	172	6.7	100	50	<1.0	6.5	<10	1.7	240	K61
APR 29...	0825	120	6.6	100	45	<1.0	4.5	26	2.7	600	110
JUN 10...	1130	132	6.8	80	55	<1.0	4.6	46	3.7	800	230
24...	0815	129	6.7	60	15	<1.0	4.6	12	4.2	2200	540
AUG 01...	0910	403	7.1	5	20	<1.0	4.8	63	2.1	660	K170
SEP 07...	0755	493	7.5	10	25	<1.0	7.6	82	2.8	3300	1200
30...	0820	232	6.5	60	65	<1.0	3.2	10	--	1000	100

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 29...	170	42	15	21	4.2	167	19	25	16	.08	.02
DEC 10...	43	9.8	4.5	3.8	3.4	39	4.0	4.3	2	.07	.03
JAN 07...	27	6.6	2.5	2.2	2.1	28	3.0	2.9	34	.05	.05
28...	36	8.6	3.4	3.1	1.9	33	<5.0	4.1	5	.15	.05
FEB 25...	54	13	5.2	5.5	2.0	50	12	6.1	54	.30	.10
MAR 18...	71	17	6.8	7.6	2.3	64	14	8.0	50	.25	.05
APR 29...	50	13	4.3	3.0	2.5	47	3.0	4.0	4	.07	.03
JUN 10...	55	14	4.8	4.1	3.0	50	6.3	7.3	36	--	.02
24...	56	15	4.4	3.5	3.1	52	9.4	4.1	18	--	.02
AUG 01...	160	42	13	19	3.1	112	39	23	36	1.6	.04
SEP 07...	170	43	15	30	3.2	133	64	28	11	.44	.06
30...	88	22	8.0	11	4.5	74	20	12	51	.91	.09

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

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

MISSISSIPPI RIVER DELTA

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303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	NITRO- GEN, NO2+NO3 (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)
OCT 29...	.1	1.0	.08	3	2	<10	1	<1	1	10	<1	11
DEC 10...	.1	1.1	.34	2	2	<10	--	4	--	10	<1	6
JAN 07...	.1	.6	.21	2	1	<10	<1	2	<1	20	<1	--
28...	.2	.4	.17	2	2	<10	<1	5	1	10	<1	8
FEB 25...	.4	.6	.23	2	1	<10	<1	1	<1	20	<1	9
MAR 18...	.3	.5	.19	2	1	<10	<1	1	<1	40	<1	4
APR 29...	.1	.6	.32	3	3	10	<1	1	<1	10	<1	5
JUN 10...	<.1	--	.10	5	4	<10	1.4	<1	<1	30	<1	11
24...	<.1	.5	.26	3	3	<10	<1	1	<1	10	<1	6
AUG 01...	1.6	.7	.14	4	3	<10	<1	<1	<1	10	<1	7
SEP 07...	.5	2.2	.08	4	2	<10	<1	2	<1	10	<1	6
30...	1.0	1.1	.13	6	3	<10	<1	1	<1	10	<1	7

DATE	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 29...	2	6	11	<1	<.1	<.1	2	2	<1	<1	.6	30
DEC 10...	7	--	17	8	.2	.4	4	1	<1	--	1.4	30
JAN 07...	21	180	5	3	<.1	<.1	5	2	<1	<1	2.5	70
28...	7	160	<1	<1	.2	.3	8	2	<1	<1	3.9	50
FEB 25...	7	200	6	4	.3	.3	1	1	<1	<1	.8	50
MAR 18...	4	200	6	1	.1	.1	4	1	<1	<1	2.0	50
APR 29...	2	190	16	2	<.1	<.1	12	9	<1	<1	<.1	20
JUN 10...	8	170	7	2	<.1	<.1	3	1	<1	<1	2.0	70
24...	4	100	10	5	<.1	<.1	5	3	<1	<1	1.0	210
AUG 01...	3	8	3	1	.1	<.1	7	3	<1	<1	2.9	60
SEP 07...	--	<3	10	6	<.1	<.1	10	3	1	1	4.0	110
30...	5	74	10	1	<.1	<.1	2	1	<1	<1	3.0	140

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

MISSISSIPPI RIVER DELTA

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 29...	4	6.7	<.01	1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
DEC 10...	--	10	--	8	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
JAN 07...	57	7.5	<.01	8	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
28...	21	7.4	<.01	9	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
FEB 25...	14	7.7	<.01	1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
MAR 18...	22	8.1	<.01	11	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
APR 29...	<3	11	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
JUN 10...	14	8.4	<.01	1	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
24...	99	10	<.01	<1	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
AUG 01...	35	4.6	<.01	2	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
SEP 07...	26	4.0	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001
30...	84	7.8	<.01	4	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 29...	<.01	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 10...	<.01	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 07...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
28...	<.01	.035	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
FEB 25...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAR 18...	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
APR 29...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN 10...	.01	.002	<.001	<.001	.01	<.001	<.001	<.001	.01	<.01	.01	.01
24...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
AUG 01...	<.01	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP 07...	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
30...	.02	.003	<.001	<.001	<.01	.002	<.001	<.001	<.01	<.01	.03	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 29...	<.01	<.01	<.1	<1	<.01	1.0	<.01	<.01	<.01	35.0	12.0
DEC 10...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01	.4	<.1
JAN 07...	<.01	<.01	<.1	<1	<.01	--	--	--	--	.8	<.1
28...	<.01	<.01	<.1	<1	<.01	.01	<.01	<.01	<.01	3.7	<.1
FEB 25...	<.01	<.01	<.1	<1	<.01	.01	<.01	<.01	<.01	3.4	<.1
MAR 18...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01	5.7	<.1
APR 29...	<.01	<.01	<.1	<1	<.01	.01	<.01	<.01	<.01	21.0	<.1
JUN 10...	<.01	.01	<.1	<1	.01	.02	<.01	<.01	<.01	20.0	<.1
24...	<.01	<.01	<.1	<1	<.01	<.01	<.01	.02	<.01	2.4	<.1
AUG 01...	<.01	<.01	<.1	<1	<.01	.02	.01	.01	<.01	10.0	4.6
SEP 07...	<.01	<.01	<.1	<1	<.01	.04	.01	<.01	<.01	31.0	3.9
30...	<.01	<.01	<.1	<1	<.01	.07	<.01	<.01	<.01	3.6	1.1

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

MISSISSIPPI RIVER DELTA

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07385470 BAYOU TECHE AT ROBIN, LA

LOCATION.--Lat 30°26'48", long 91°55'22", on line between lots 51 and 54, T. 7 S., R. 5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on parish road at Robin, and 3.7 mi upstream from gaging station Bayou Teche at Arnaudville (station 07385500).

DRAINAGE AREA.--Indeterminate. See REMARKS.

PERIOD OF RECORD.--October 1974 to current year (elevations only). Unpublished records, November 1947 to September 1974, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to February 4, 1953, nonrecording gage at same site and datum.

REMARKS.--Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs, near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalava Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion fresh water diversion channel operational during the year anytime the flow in Bayou Courtableau does not bypass by way of the Courtableau weirs near Krotz Springs.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, about 23.0 ft Apr. 21, 1977; minimum, 9.63 ft Oct. 30, 31, Nov. 1, 2, 1978, but may have less during period of no gage-height record, Oct. 11-26, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since November 1947, 25.6 ft May 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 22.33 ft Dec. 27; minimum, 10.04 ft Nov. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.09	10.05	16.41	21.47	18.35	14.88	13.73	15.10	16.58	15.15	14.00	13.61
2	11.77	10.17	16.13	21.44	18.10	14.77	13.53	15.05	16.37	14.87	14.14	13.75
3	11.47	10.28	16.85	20.97	17.76	14.82	13.36	14.97	16.13	14.65	15.33	13.85
4	11.21	10.38	19.65	20.44	17.39	14.98	13.19	14.88	15.86	14.47	15.53	13.92
5	11.05	10.46	19.35	19.91	17.63	15.30	14.83	14.83	15.56	14.31	15.34	14.04
6	10.79	10.55	18.83	18.44	18.79	15.93	18.94	14.80	15.36	15.66	14.97	14.10
7	11.45	10.61	18.33	19.02	18.37	16.02	19.80	14.70	15.35	15.11	14.40	14.05
8	12.98	10.62	17.73	18.76	17.93	15.90	19.52	14.56	15.34	14.03	13.84	13.91
9	12.60	10.67	17.10	18.69	17.60	15.72	19.05	14.34	15.18	13.51	14.44	13.79
10	11.74	10.70	16.48	18.51	18.05	15.50	18.52	14.48	15.03	12.87	14.70	13.65
11	11.27	10.74	16.12	18.31	17.64	15.21	18.01	14.64	14.89	12.36	14.74	13.58
12	11.03	10.81	16.02	18.09	17.17	14.82	17.52	14.69	14.78	12.43	14.96	13.56
13	11.85	10.87	15.87	17.93	16.29	14.49	17.16	14.69	14.69	12.54	15.15	13.57
14	10.65	10.92	15.75	17.80	16.54	14.37	16.99	14.67	14.62	12.75	15.06	13.59
15	10.68	10.96	16.11	17.69	16.35	14.65	16.84	14.69	15.59	13.21	14.93	13.54
16	11.01	10.94	16.01	17.59	16.18	14.11	16.74	14.95	14.94	13.70	14.81	13.46
17	11.11	10.91	15.66	17.50	15.92	13.86	16.67	15.13	15.32	13.90	14.73	13.38
18	11.02	11.11	15.41	17.40	15.67	13.73	16.59	14.93	15.15	14.01	14.57	13.34
19	10.88	11.75	15.20	17.31	15.45	13.61	16.50	15.06	14.87	14.08	14.39	13.46
20	10.76	13.23	15.00	19.17	15.25	13.53	16.40	15.56	14.69	14.16	14.14	14.18
21	10.65	14.76	14.95	19.28	15.10	13.43	16.26	17.78	14.44	14.21	13.83	14.99
22	10.57	15.04	14.92	18.85	15.03	13.32	16.09	20.36	14.32	14.10	13.43	14.78
23	10.48	14.10	15.01	18.37	15.04	13.53	15.88	20.31	14.81	14.07	12.99	14.55
24	10.39	13.66	15.08	17.89	15.12	15.21	15.65	19.99	15.10	14.06	12.58	14.80
25	10.29	13.83	15.12	17.52	15.09	15.40	15.52	19.47	15.52	14.03	12.19	14.82
26	10.19	13.92	18.19	17.13	14.98	15.36	15.44	18.88	15.38	14.02	11.92	14.70
27	10.20	14.87	22.06	16.79	15.95	15.42	15.39	18.32	15.52	14.00	11.97	14.50
28	10.22	16.87	22.27	16.51	15.11	15.23	15.35	17.84	16.58	13.98	12.60	14.21
29	10.18	16.59	22.02	16.36	---	14.76	15.26	17.41	16.11	13.98	12.96	13.82
30	10.11	16.28	21.60	16.39	---	14.28	15.17	17.03	15.56	13.97	13.13	13.34
31	10.07	---	21.16	16.34	---	13.98	---	16.76	---	13.95	13.38	---
MAX	12.98	16.87	22.27	21.47	18.79	16.02	19.80	20.36	16.58	15.66	15.53	14.99
MIN	10.07	10.05	14.92	16.34	14.98	13.32	13.19	14.34	14.32	12.36	11.92	13.34

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusilier.

DRAINAGE AREA.--Indeterminate. See REMARKS.

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good except for period of indefinite stage-discharge relationship which are poor. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche Vermillion fresh water diversion canal operational during the year anytime the flow in Bayou Courtableau does not bypass by away of the Courtableau Weirs near Krotz Springs.

AVERAGE DISCHARGE.--34 years, 825 ft³/s 597,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s May 24, 1953; maximum elevation, 24.27 ft May 23, 1953; minimum discharge, 53 ft³/s Aug. 12, 1965, minimum elevation, 6.78 ft Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft³/s Dec. 26; maximum elevation, 21.86 ft Dec. 27; minimum daily discharge, 197 ft³/s Nov. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	463	197	1560	2290	1950	1100	840	1200	1530	1120	892	828
2	410	213	1520	2180	1830	1080	800	1190	1470	1070	926	859
3	366	228	1650	2090	1800	1100	760	1190	1400	1020	1090	883
4	332	243	2250	2100	1760	1130	751	1170	1320	987	1140	898
5	306	255	2040	2080	1830	1200	1150	1160	1230	937	1160	923
6	283	266	2010	2050	1960	1400	2190	1170	1180	1150	1090	940
7	300	275	2000	2010	1830	1420	2140	1150	1190	1030	965	916
8	380	283	1920	2010	1780	1380	2060	1120	1190	841	849	893
9	458	284	1790	2020	1760	1330	2010	1060	1150	745	992	871
10	406	289	1560	2010	1830	1270	1970	1100	1110	629	1050	846
11	345	297	1380	2010	1740	1160	1920	1140	1080	547	1060	832
12	310	309	1370	1980	1680	1080	1850	1150	1060	569	1100	826
13	287	321	1340	1960	1610	1000	1790	1150	1040	587	1130	834
14	265	328	1310	1940	1550	980	1740	1150	1020	622	1130	839
15	273	338	1390	1910	1500	1030	1710	1150	1020	719	1100	828
16	305	334	1350	1890	1440	920	1680	1230	1090	818	1070	812
17	327	332	1280	1860	1360	860	1660	1230	1130	865	1050	796
18	317	367	1230	1840	1290	840	1640	1100	1100	889	1020	786
19	298	472	1180	1830	1230	820	1600	1140	1050	908	979	819
20	281	782	1140	2190	1180	800	1570	1260	1020	911	928	977
21	266	1130	1120	2010	1140	770	1530	1810	981	926	864	1150
22	255	1190	1120	1930	1130	750	1460	2280	962	913	778	1080
23	246	931	1120	1880	1150	800	1390	2120	1040	902	697	1050
24	235	844	1130	1820	1160	1170	1330	2060	1130	900	617	1110
25	221	890	1140	1760	1160	1220	1300	1970	1240	893	548	1120
26	210	915	1910	1700	1130	1200	1280	1890	1180	892	482	1090
27	211	1130	2490	1620	1120	1230	1280	1820	1150	887	488	1040
28	216	1500	2360	1540	1140	1180	1270	1770	1270	887	589	967
29	214	1530	2280	1520	---	1050	1240	1700	1260	893	693	875
30	202	1510	2220	1530	---	960	1220	1640	1190	891	726	771
31	200	---	2180	1510	---	890	---	1580	---	885	776	---
TOTAL	9188	17983	50340	59070	42040	33120	45131	43850	34783	26833	27979	27459
MEAN	296	599	1624	1905	1501	1068	1504	1415	1159	866	903	915
MAX	463	1530	2490	2290	1960	1420	2190	2280	1530	1150	1160	1150
MIN	200	197	1120	1510	1120	750	751	1060	962	547	482	771
AC-FT	18220	35670	99850	117200	83390	65690	89520	86980	68990	53220	55500	54460

CAL YR 1982 TOTAL 272069 MEAN 745 MAX 2490 MIN 182 AC-FT 539600
 WITH YR 1983 TOTAL 417776 MEAN 1145 MAX 2490 MIN 197 AC-FT 828700

NOTE.--Indefinite stage-discharge relation Oct. 1, Dec. 14, July 20, 29.

MISSISSIPPI RIVER DELTA

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07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1993
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.77	9.85	15.54	20.96	17.57	14.21	---	14.32	15.79	14.55	13.42	13.00
2	11.48	9.95	15.19	20.99	17.36	14.10	---	14.27	15.60	14.25	13.54	13.13
3	11.19	10.05	15.97	20.52	16.97	14.13	---	14.16	15.40	14.04	14.80	13.22
4	10.94	10.02	18.85	19.90	16.54	14.29	12.62	14.06	15.17	13.87	15.00	13.29
5	10.72	10.19	18.68	19.31	16.76	14.60	14.11	14.00	14.90	13.74	14.74	13.40
6	10.55	10.26	18.14	18.79	18.09	15.12	18.03	13.96	14.72	15.15	14.36	13.45
7	11.23	10.32	17.46	18.32	17.70	15.22	19.14	13.86	14.69	14.62	13.82	13.44
8	12.86	10.34	16.77	17.99	17.21	15.13	18.86	13.71	14.68	13.55	13.29	13.29
9	12.83	10.37	16.10	17.90	16.82	14.91	18.35	13.52	14.54	13.04	13.82	13.16
10	11.44	10.40	15.61	17.68	17.30	14.76	17.73	13.62	14.40	12.43	14.07	13.01
11	10.99	10.42	15.41	17.43	16.90	---	17.15	13.77	14.26	11.94	14.10	12.95
12	10.77	10.48	15.30	17.18	16.37	---	16.58	13.83	14.16	11.98	14.33	12.93
13	10.61	10.51	15.15	16.99	15.97	---	16.19	13.82	14.07	12.08	14.52	12.93
14	10.41	10.57	15.03	16.84	15.71	---	16.04	13.80	14.00	12.29	14.41	12.95
15	10.43	10.60	15.39	16.73	15.54	---	15.87	13.82	13.96	12.70	14.29	12.91
16	10.76	10.58	15.31	16.63	15.40	---	15.78	14.04	14.27	13.16	14.17	12.83
17	10.83	10.55	14.96	16.54	15.17	---	15.70	14.32	14.74	13.34	---	12.75
18	10.74	10.70	14.70	16.45	14.96	---	15.65	14.27	14.57	13.44	---	12.71
19	10.62	11.28	14.51	16.33	14.76	---	15.57	14.38	14.29	13.49	---	12.81
20	10.51	12.57	14.31	18.31	14.58	---	15.48	14.85	14.11	13.59	---	13.49
21	10.42	13.98	14.26	18.63	14.44	---	15.37	16.98	13.84	13.63	---	14.28
22	10.33	14.30	14.24	18.18	14.36	---	15.25	19.68	13.71	13.51	---	14.11
23	10.25	13.48	14.35	17.65	14.38	---	15.07	19.75	14.23	13.50	---	13.86
24	10.17	13.04	14.43	17.11	14.43	---	14.86	19.42	14.45	13.48	---	14.08
25	10.08	13.17	14.47	16.70	14.40	---	14.73	18.89	14.83	13.45	11.69	14.10
26	9.99	13.25	17.43	16.29	14.29	---	14.65	18.25	14.74	13.44	11.49	13.98
27	10.00	14.15	21.50	15.95	14.27	---	14.60	17.65	14.94	13.42	11.55	13.81
28	10.01	16.21	21.82	15.69	14.44	---	14.55	17.12	16.11	13.40	12.01	13.55
29	9.62	15.80	21.58	15.53	---	---	14.47	16.65	15.58	13.38	12.41	13.19
30	9.57	15.43	21.14	15.55	---	---	14.39	16.24	14.96	13.37	12.57	12.76
31	9.86	---	20.67	15.50	---	---	---	15.96	---	13.36	12.78	---
MAX	12.86	16.21	21.82	20.99	18.09	15.22	19.14	19.75	16.11	15.15	15.00	14.28
MIN	9.57	9.85	14.24	15.50	14.27	---	12.62	13.52	13.71	11.94	11.49	12.71

07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N1/2 lot 45 T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1982 (gage heights only). October 1982 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is National Geodetic Vertical Datum of 1929 (corrected).

REMARKS.--Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500). In extreme floods, reverse flow observed.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 21.25 ft Dec. 28, 1982; minimum 9.07 ft June 11, 12, 13, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 900 ft³/s Dec. 28; minimum daily (unaffected by backwater), 8.6 ft³/s; maximum daily reverse flow, 250 ft³/s Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	8.6	480	860	700	300	210	322	470	353	236	198
2	91	11	422	860	710	289	194	316	451	319	247	210
3	75	14	555	850	672	293	180	305	431	296	390	217
4	61	16	800	840	582	308	170	295	409	278	430	224
5	49	19	780	820	618	346	331	288	384	271	383	234
6	39	23	750	800	760	393	750	282	366	448	333	233
7	-50	26	720	760	740	399	820	274	364	379	275	237
8	-250	26	669	750	690	391	810	260	362	276	225	225
9	-150	27	547	740	638	377	780	244	346	205	274	214
10	-10	29	462	730	700	366	740	252	330	155	299	202
11	64	30	430	705	662	346	690	265	317	120	302	196
12	53	34	415	689	560	307	606	270	306	122	329	193
13	43	37	399	642	491	276	528	269	298	129	356	193
14	31	39	386	610	455	265	500	267	291	143	336	193
15	32	40	435	588	435	291	479	269	288	174	322	192
16	52	39	426	570	419	243	468	291	311	213	309	187
17	56	37	382	556	398	222	461	318	393	229	300	181
18	51	45	354	543	378	211	455	314	363	238	284	173
19	43	78	332	530	359	201	447	325	324	243	268	180
20	36	165	316	760	339	196	439	375	306	252	246	230
21	30	286	307	790	323	187	430	680	277	256	220	280
22	26	316	304	770	316	178	417	835	265	245	188	260
23	27	237	315	730	318	202	401	840	328	244	155	250
24	19	198	322	690	322	402	380	830	343	242	127	270
25	15	209	327	626	318	384	367	810	383	239	104	270
26	12	215	730	551	308	366	359	780	374	238	91	260
27	13	326	880	496	306	368	352	730	403	237	93	250
28	13	502	900	463	324	347	348	680	588	235	122	220
29	12	524	890	445	---	302	339	613	491	233	151	200
30	10	453	870	446	---	258	330	536	404	233	163	170
31	9.0	---	850	439	---	232	---	493	---	230	182	---
TOTAL	599.0	4109.6	16755	20649	13841	9246	13781	13628	10966	7475	7740	6547
MEAN	19.3	137	540	666	494	298	459	440	366	241	250	218
MAX	101	602	900	860	760	402	820	840	588	448	430	280
MIN	-250	8.6	304	439	306	178	170	244	265	120	91	170
AC-FT	1190	8150	33230	40960	27450	18340	27330	27030	21750	14830	15350	12990
WTR YR 1983	TOTAL	125335.6	MEAN	343	MAX	900	MIN	-250	AC-FT	248600		

MISSISSIPPI RIVER DELTA

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07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.06	9.38	14.79	20.52	16.54	13.34	12.45	13.54	14.72	13.81	12.73	12.32
2	10.90	9.48	14.37	20.56	16.59	13.24	12.28	13.49	14.58	13.51	12.84	12.45
3	10.63	9.56	15.22	20.11	16.07	13.28	12.12	13.39	14.43	13.31	14.07	12.53
4	10.40	9.63	18.19	19.49	15.50	13.42	11.99	13.30	14.26	13.14	14.42	12.60
5	10.20	9.71	18.07	18.83	15.70	13.74	13.40	13.24	14.06	13.06	14.06	12.70
6	10.04	9.78	17.52	18.25	17.31	14.13	17.34	13.18	13.92	14.56	13.64	12.74
7	10.77	9.83	16.81	17.72	16.96	14.19	18.66	13.10	13.90	14.02	13.11	12.73
8	12.64	9.85	16.05	17.31	16.37	14.12	18.39	12.97	13.89	13.11	12.61	12.61
9	11.99	9.86	15.26	17.20	15.86	14.01	17.84	12.81	13.75	12.40	13.10	12.49
10	10.91	9.89	14.66	16.90	16.45	13.91	17.14	12.89	13.61	11.81	13.34	12.36
11	10.46	9.91	14.42	16.53	16.01	13.74	16.42	13.02	13.50	11.34	13.36	12.30
12	10.26	9.98	14.31	16.18	15.36	13.41	15.66	13.06	13.40	11.37	13.60	12.27
13	10.10	10.02	14.18	15.89	14.87	13.12	15.13	13.05	13.33	11.46	13.83	12.26
14	9.92	10.05	14.08	15.69	14.61	13.01	14.94	13.03	13.26	11.66	13.66	12.26
15	9.94	10.06	14.46	15.54	14.46	13.25	14.79	13.05	13.23	12.04	13.54	12.26
16	10.25	10.04	14.40	15.42	14.34	12.80	14.71	13.26	13.44	12.48	13.43	12.19
17	10.32	10.02	14.05	15.33	14.18	12.58	14.66	13.51	14.14	12.66	13.35	12.12
18	10.23	10.15	13.82	15.24	14.01	12.46	14.61	13.47	13.89	12.75	13.20	---
19	10.11	10.68	13.63	15.15	13.86	12.36	14.55	13.57	13.56	12.80	13.04	---
20	10.00	11.91	13.49	17.41	13.69	12.30	14.50	13.99	13.40	12.89	12.83	---
21	9.91	13.21	13.40	18.00	13.55	12.20	14.42	16.18	13.13	12.93	12.56	---
22	9.84	13.49	13.38	17.56	13.48	12.09	14.33	19.12	13.01	12.82	12.21	---
23	9.77	12.74	13.48	16.95	13.51	12.34	14.20	19.30	13.59	12.80	11.80	---
24	9.69	12.33	13.54	16.31	13.54	14.21	14.03	18.98	13.72	12.78	11.44	---
25	9.60	12.45	13.58	15.78	13.51	14.06	13.92	18.41	14.06	12.76	11.10	---
26	9.52	12.51	16.55	15.29	13.41	13.92	13.86	17.72	13.99	12.75	10.91	---
27	9.52	13.47	20.86	14.91	13.40	13.94	13.80	17.03	14.20	12.73	10.93	---
28	9.54	15.63	21.21	14.67	13.56	13.76	13.77	16.37	15.54	12.72	11.37	---
29	9.49	15.10	21.04	14.54	---	13.36	13.69	15.70	14.87	12.70	11.76	---
30	9.44	14.60	20.74	14.55	---	12.95	13.61	15.19	14.22	12.69	11.91	---
31	9.40	---	20.24	14.49	---	12.69	---	14.89	---	12.67	12.14	---
MAX	12.64	15.63	21.21	20.56	17.31	14.21	18.66	19.30	15.54	14.56	14.42	12.74
MIN	9.40	9.38	13.38	14.49	13.40	12.09	11.99	12.81	13.01	11.34	10.91	---

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW1/4SE1/4 sec.32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

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

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 mi downstream from base gage. Datum of auxiliary gage is 13.70 ft National Geodetic Vertical Datum of 1929. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records good, except those for periods of no gage-height record, which are fair. Small diversion above station. Records of water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years, 269 ft³/s, 27.89 in/yr, 194,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s May 20, 1953, gage height, 22.36 ft. No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,460 ft³/s Dec. 28, gage height, 20.16 ft; minimum, 1.70 ft³/s Oct. 27, 28, 29, 30; gage height, 1.09 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	7.2	1010	1980	3230	67	128	34	13	106	67	8.2
2	5.6	6.6	840	2750	4310	26	72	49	11	50	216	7.9
3	10	7.6	580	1520	3090	15	49	33	11	32	4660	7.8
4	9.7	7.6	2100	576	1030	20	37	34	13	20	5480	7.7
5	9.2	6.3	2300	176	712	1820	930	23	18	48	3190	12
6	8.3	6.6	980	115	2950	2670	4500	28	213	328	1140	52
7	17	5.6	270	82	1970	1060	5000	20	269	59	423	87
8	34	4.4	109	171	557	182	4120	17	70	14	147	569
9	32	4.0	74	623	162	48	1910	17	38	7.6	160	145
10	15	3.6	59	305	685	28	717	32	22	7.2	244	52
11	9.3	3.3	210	132	350	18	188	75	14	7.0	173	39
12	11	3.6	430	81	118	14	80	78	9.3	7.0	1430	63
13	15	3.8	150	57	63	13	85	50	9.4	6.8	3740	15
14	14	2.9	78	48	42	13	209	37	13	30	2130	22
15	23	2.4	380	48	32	12	141	31	63	56	692	22
16	16	2.2	480	36	43	11	70	616	196	24	155	9.9
17	9.5	3.4	160	29	49	9.2	62	284	44	49	82	7.7
18	6.4	45	84	24	28	7.7	50	73	48	30	120	21
19	4.1	680	59	91	22	6.8	42	833	34	24	77	522
20	3.4	320	43	1860	18	8.3	46	2350	394	25	44	2530
21	2.8	106	38	2500	20	12	40	5130	151	139	28	3410
22	2.4	63	37	934	30	12	40	7170	73	51	20	2030
23	2.3	37	30	202	20	146	59	7020	95	46	17	611
24	2.2	240	32	67	14	1480	67	6220	271	40	18	113
25	2.0	140	31	248	14	751	56	3930	990	26	22	37
26	1.9	65	1220	186	15	269	37	1240	636	23	16	18
27	1.8	340	6680	72	15	554	34	406	172	36	36	12
28	1.7	2200	7390	42	78	167	30	114	244	26	37	7.6
29	1.7	1500	7440	381	---	70	27	68	424	328	22	6.0
30	1.8	580	5760	756	---	235	29	51	202	171	13	4.5
31	5.8	---	2230	268	---	309	---	22	---	132	9.4	---
TOTAL	283.7	6397.1	41284	16360	19667	10054.0	18855	36085	4760.7	1948.6	24608.4	10449.3
MEAN	9.15	213	1332	528	702	324	629	1164	159	62.9	794	348
MAX	34	2200	7440	2750	4310	2670	5000	7170	990	328	5480	3410
MIN	1.7	2.2	30	24	14	6.8	27	17	9.3	6.8	9.4	4.5
CFSM	.07	1.63	10.2	4.03	5.36	2.47	4.80	8.89	1.21	.48	6.06	2.66
IN	.08	1.82	11.72	4.65	5.58	2.86	5.35	10.25	1.35	.55	6.99	2.97
AC-FT	563	12690	81890	32450	39010	19940	37400	71570	9440	3870	48810	20730

CAL YR 1982 TOTAL 118934.90 MEAN 326 MAX 7440 MIN .70 CFSM 2.49 IN 33.77 AC-FT 235900
WTR YR 1983 TOTAL 190752.80 MEAN 523 MAX 7440 MIN 1.7 CFSM 3.99 IN 54.17 AC-FT 378400

NOTE.--No gage-height record at auxiliary gage from Oct. 1 to Dec. 28.

MERMENTAU RIVER BASIN

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08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.36	1.53	12.84	15.57	16.55	3.75	4.64	2.49	1.82	4.17	3.34	1.59
2	1.42	1.49	11.83	16.61	17.82	2.70	3.45	2.87	1.76	2.90	5.07	1.58
3	1.71	1.55	9.98	14.77	16.91	2.34	2.87	2.46	1.74	2.43	17.76	1.56
4	1.68	1.55	15.84	10.33	13.07	2.51	2.58	2.50	1.85	2.08	18.74	1.56
5	1.65	1.47	16.12	5.72	9.70	13.90	8.59	2.16	2.00	2.41	17.10	1.71
6	1.60	1.49	12.68	4.41	16.65	16.51	17.91	2.31	5.43	7.31	13.83	2.93
7	1.97	1.42	6.92	3.70	15.52	12.86	18.37	2.07	6.49	3.10	9.13	3.17
8	2.50	1.33	4.30	4.90	10.15	5.57	17.80	1.97	3.39	1.85	5.32	9.31
9	2.42	1.30	3.49	9.89	5.61	3.13	15.47	1.99	2.60	1.55	5.40	4.81
10	1.93	1.27	3.13	7.13	10.16	2.61	11.19	2.43	2.15	1.53	6.48	2.95
11	1.66	1.24	6.09	4.74	7.63	2.31	5.76	3.53	1.87	1.51	5.48	2.61
12	1.74	1.27	8.74	3.68	4.61	2.17	3.65	3.61	1.66	1.51	10.60	3.20
13	1.91	1.28	5.22	3.08	3.66	2.13	3.76	2.90	1.66	1.50	17.48	1.89
14	1.86	1.21	3.61	2.86	3.14	2.13	5.87	2.58	1.83	2.16	15.91	2.14
15	2.18	1.16	8.32	2.84	2.87	2.11	4.84	2.39	2.60	3.03	11.40	2.14
16	1.95	1.14	9.29	2.55	3.15	2.04	3.41	9.52	5.52	2.21	5.54	1.68
17	1.67	1.25	5.76	2.35	3.30	1.94	3.19	6.75	2.74	2.88	3.69	1.56
18	1.47	2.77	3.75	2.19	2.73	1.85	2.89	3.48	2.84	2.38	4.48	2.04
19	1.31	9.92	3.13	3.16	2.57	1.79	2.69	8.85	2.49	2.19	3.56	7.76
20	1.25	7.41	2.72	14.22	2.46	1.89	2.80	15.90	7.05	2.21	2.75	16.18
21	1.20	4.23	2.49	16.35	2.51	2.08	2.63	18.45	4.93	4.61	2.31	17.22
22	1.16	3.12	2.48	12.62	2.81	2.09	2.63	19.95	3.37	2.93	2.09	15.75
23	1.15	2.56	2.37	6.25	2.51	3.50	3.12	19.85	3.90	2.80	1.99	11.08
24	1.14	6.53	2.44	3.84	2.31	13.79	3.33	19.27	6.57	2.66	2.00	4.79
25	1.12	5.11	2.41	6.16	2.29	11.16	3.04	17.62	11.59	2.25	2.15	2.83
26	1.11	3.28	12.62	5.63	2.35	6.54	2.57	14.02	10.33	2.17	1.95	2.29
27	1.10	7.56	19.60	3.92	2.35	9.34	2.50	8.82	5.40	2.55	2.49	2.04
28	1.09	15.95	20.11	3.28	3.95	5.17	2.36	4.49	5.95	2.26	2.57	1.80
29	1.09	14.67	19.86	6.51	---	3.39	2.18	3.35	8.17	6.88	2.15	1.70
30	1.15	10.01	18.94	10.85	---	5.72	2.35	2.93	5.62	5.42	1.84	1.59
31	1.43	---	16.23	6.40	---	7.05	---	2.14	---	4.69	1.66	---
MAX	2.50	15.95	20.11	16.61	17.82	16.51	18.37	19.95	11.59	7.31	18.74	17.22
MIN	1.09	1.14	2.37	2.19	2.29	1.79	2.18	1.97	1.66	1.50	1.66	1.56

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE1/4NW1/4 sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

DRAINAGE AREA.--527 mi².

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

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft National Geodetic Vertical Datum of 1929. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979. Mar. 27, 1945, to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Records of water temperatures for the water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years 822 ft³/s 21.18 in/yr, 595,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,500 ft³/s Dec. 30, gage height, 26.22 ft; minimum, 1.6 ft³/s Nov. 15, 16, gage height, 1.13 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	6.1	2770	11200	2960	334	919	63	1910	204	81	25
2	25	7.1	3150	9790	4200	316	532	67	863	174	67	28
3	20	6.9	3080	8160	4700	271	358	65	197	165	1070	25
4	21	5.6	3210	6080	4500	221	233	60	165	151	3060	21
5	21	5.4	3670	4720	4300	839	697	50	132	120	5760	21
6	20	7.3	3580	3920	4400	2090	2650	41	116	212	7910	22
7	20	6.7	3250	3300	4700	2250	4180	35	146	323	8890	97
8	30	5.8	2820	2810	4500	1750	4280	31	160	224	8160	145
9	55	5.0	2380	2680	3900	1300	4020	29	165	114	6460	87
10	59	4.4	2020	2690	3560	1070	3760	33	181	66	4880	89
11	45	4.0	1750	2430	3390	742	3480	41	130	49	3960	140
12	35	4.1	1490	1950	3120	442	3230	69	89	41	3830	143
13	28	3.3	986	1500	2900	218	2930	80	65	37	4740	95
14	30	2.4	409	1170	2100	129	2570	69	55	39	4720	62
15	32	1.8	685	858	1530	98	2180	71	53	185	3840	43
16	36	1.6	1580	416	800	86	1670	647	57	219	2900	32
17	30	3.2	1720	298	292	81	867	1370	115	206	1820	25
18	21	5.8	1210	193	235	82	352	995	257	171	897	22
19	15	27	706	178	202	70	263	1380	233	124	312	152
20	14	177	464	1220	155	58	228	3520	167	103	163	1480
21	13	181	298	3040	240	53	173	6500	126	99	158	2950
22	9.8	106	206	3380	1400	51	138	11200	102	100	112	3430
23	8.3	82	160	3050	2040	77	131	13100	146	89	71	2900
24	8.1	95	133	2320	1780	845	140	12300	201	69	55	2210
25	6.7	201	114	1970	1290	1960	131	10300	214	63	46	1510
26	5.6	225	1310	1680	878	2000	104	8090	163	60	40	663
27	5.0	419	4880	1430	483	1870	85	6080	224	68	37	201
28	4.9	1780	9950	888	351	1880	72	4700	206	71	32	126
29	4.9	2760	13200	474	---	1490	66	3880	193	76	26	98
30	4.4	2770	13600	735	---	1220	61	3250	217	80	28	64
31	5.2	---	12400	828	---	1230	---	2650	---	87	29	---
TOTAL	663.9	8909.5	97181	85358	64906	25123	40500	90766	7048	3789	74154	16906
MEAN	21.4	297	3135	2753	2318	810	1350	2928	235	122	2392	564
MAX	59	2770	13600	11200	4700	2250	4280	13100	1910	323	8890	3430
MIN	4.4	1.6	114	178	155	51	61	29	53	37	26	21
CFSM	.04	.56	5.95	5.22	4.40	1.54	2.56	5.56	.45	.23	4.54	1.07
IN.	.05	.63	6.86	6.03	4.58	1.77	2.86	6.41	.50	.27	5.23	1.19
AC-FT	1320	17670	192800	169300	128700	49830	80330	180000	13980	7520	147100	33530
CAL YR 1982	TOTAL	309092.1	MEAN	847	MAX	13600	MIN	1.6	CFSM	1.61	IN	21.82
WTR YR 1983	TOTAL	515304.4	MEAN	1412	MAX	13600	MIN	1.6	CFSM	2.68	IN	36.37
									AC-FT			613100
									AC-FT			1022000

MERMENTAU RIVER BASIN

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08012000 BAYOU NEZPIQUE NEAR BASILE, LA

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.35	1.43	18.51	25.18	18.70	7.27	12.62	3.20	17.84	5.54	3.57	2.18
2	2.17	1.48	19.22	24.64	21.12	7.04	10.16	3.28	14.62	5.12	3.28	2.27
3	2.01	1.47	19.39	23.85	21.74	6.48	7.58	3.24	10.26	4.98	11.05	2.16
4	2.03	1.40	19.69	22.80	21.51	5.79	5.96	3.12	6.86	4.78	18.10	2.02
5	2.02	1.39	20.31	21.88	21.20	10.56	9.48	2.88	4.87	4.30	21.48	2.05
6	1.98	1.49	20.38	21.10	21.43	15.96	17.53	2.65	4.24	5.65	23.42	2.08
7	1.99	1.46	20.06	20.33	21.74	16.80	20.29	2.49	4.71	7.14	24.04	3.77
8	2.31	1.41	19.45	19.57	21.52	15.97	21.03	2.37	4.91	5.82	23.80	4.69
9	3.00	1.37	18.64	19.21	21.09	14.60	21.07	2.31	4.99	4.19	23.00	3.70
10	3.09	1.33	17.77	19.07	20.67	13.32	20.83	2.42	5.21	3.25	22.01	3.72
11	2.76	1.31	16.93	18.60	20.38	11.68	20.49	2.64	4.46	2.84	21.19	4.63
12	2.46	1.31	15.94	17.61	19.95	8.53	20.11	3.31	3.74	2.63	21.01	4.66
13	2.26	1.27	13.93	16.24	19.20	5.74	19.64	3.55	3.22	2.54	21.77	3.86
14	2.32	1.21	10.45	14.73	18.13	4.44	19.02	3.32	2.99	2.58	21.80	3.16
15	2.39	1.15	10.89	12.94	16.64	3.92	18.21	3.31	2.96	5.23	21.07	2.70
16	2.50	1.14	14.42	9.88	13.78	3.69	16.89	9.59	3.05	5.75	19.87	2.40
17	2.31	1.26	15.10	7.02	9.98	3.58	14.03	13.49	4.09	5.57	17.89	2.18
18	2.03	1.41	13.83	5.40	7.34	3.59	10.35	12.41	6.29	5.07	14.89	2.05
19	1.82	2.20	11.56	5.16	5.71	3.34	7.67	13.48	5.96	4.36	11.13	4.21
20	1.77	5.13	8.97	12.47	4.85	3.08	5.96	18.84	5.01	4.01	7.85	13.88
21	1.74	5.21	6.81	18.11	5.88	2.95	5.09	22.39	4.40	3.94	5.85	18.05
22	1.61	4.06	5.57	19.37	13.54	2.90	4.60	24.95	4.00	3.97	4.15	19.41
23	1.54	3.60	4.91	19.28	15.92	3.39	4.48	25.97	4.73	3.73	3.37	19.16
24	1.53	3.85	4.52	18.39	15.72	10.62	4.62	25.80	5.60	3.33	2.99	18.17
25	1.46	5.50	4.21	17.63	14.33	15.58	4.48	24.97	5.68	3.17	2.78	16.45
26	1.40	5.85	12.13	16.78	12.46	16.16	4.03	23.90	4.98	3.12	2.62	12.99
27	1.37	7.85	20.80	15.68	9.75	16.09	3.66	22.81	5.82	3.31	2.54	8.71
28	1.36	14.91	24.21	13.44	7.48	16.15	3.40	21.87	5.57	3.37	2.39	5.62
29	1.36	17.67	25.82	10.81	---	15.19	3.25	21.09	5.38	3.48	2.21	3.91
30	1.33	18.24	26.16	11.45	---	14.13	3.15	20.28	5.72	3.57	2.27	3.21
31	1.38	---	25.78	11.65	---	13.96	---	19.31	---	3.70	2.30	---
MAX	3.09	18.24	26.16	25.18	21.74	16.80	21.07	25.97	17.84	7.14	24.04	19.41
MIN	1.33	1.14	4.21	5.16	4.85	2.90	3.15	2.31	2.96	2.54	2.21	2.02

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE1/4SE1/4 sec.4, T.1 S., R.3W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi upstream from Prairie Branch, and 4.6 mi northwest of Glenmora.

DRAINAGE AREA.--499 mi².

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

REVISED RECORD.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 722 ft³/s, 19.65 in/yr, 523,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s May 19, 1953, gage height, 21.55 ft; minimum, 15 ft³/s Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft Oct. 18, 1956.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 1	1015	11100	15.75	Feb. 25	0545	5390	14.44
Dec. 28	1015	*46900	*20.40	Mar. 27	1515	4780	14.21
Feb. 3	0115	23000	17.70	Apr. 17	2330	4230	14.01
Feb. 13	0615	5050	14.30	May 22	1900	11900	15.90

Minimum discharge, 23 ft³/s Oct. 30, 31, Nov. 1, 2; minimum gage height, 4.34 ft Oct. 6, 7, Nov. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	23	10100	4650	2020	2170	1530	176	405	138	35	40
2	29	24	8950	3960	15300	1510	941	159	362	109	52	39
3	28	26	8960	3520	18900	982	626	149	428	97	366	38
4	27	27	10300	3040	8330	767	469	141	400	87	299	37
5	26	28	8350	2680	4900	1260	713	133	351	77	293	37
6	26	36	6090	2480	4150	2180	3000	125	342	72	431	38
7	29	37	4920	2410	3610	2620	3450	120	376	66	448	36
8	32	33	4360	2380	3060	2680	2920	115	330	62	470	35
9	31	31	3580	2270	2830	2840	2570	109	271	59	407	35
10	30	29	2890	1920	3400	2770	2210	105	252	57	256	36
11	49	28	2330	1720	4210	2330	1950	105	211	53	238	39
12	67	27	1780	1550	4200	1660	1860	116	165	50	236	40
13	69	26	1420	1320	4870	954	1740	116	137	48	209	43
14	71	25	1330	1110	4070	564	1510	126	118	47	146	41
15	65	24	1540	890	3350	406	1610	141	106	46	112	38
16	62	24	1810	688	2720	339	1800	260	103	44	93	36
17	59	28	2090	515	2100	301	3340	692	147	43	81	35
18	49	32	2150	414	1440	276	4000	1320	161	43	76	36
19	41	162	1940	351	923	258	3260	1980	139	42	73	46
20	37	671	1670	498	646	264	2510	2970	125	46	66	100
21	34	1030	1460	906	629	335	1720	5780	117	56	62	658
22	32	1280	1190	1100	1340	411	938	10800	114	49	58	924
23	30	1590	927	1270	1940	525	530	10800	116	46	55	884
24	28	2010	700	1450	3330	1120	385	8020	134	43	53	922
25	27	2240	580	1610	5290	1800	328	5790	174	41	51	860
26	26	2310	500	1750	4300	2700	291	4180	263	40	49	652
27	25	2650	6000	1650	3450	4510	273	3250	327	41	47	316
28	25	2950	46700	1390	2820	4410	265	2500	354	41	46	150
29	24	2700	40800	1190	---	3650	239	1700	290	40	45	107
30	24	3070	17700	1130	---	2930	202	865	194	40	43	89
31	24	---	6750	1190	---	2220	---	573	---	37	42	---
TOTAL	1155	23171	209867	53002	118128	51742	47180	63416	7012	1760	4938	6387
MEAN	37.3	772	6770	1710	4219	1669	1573	2046	234	56.8	159	213
MAX	71	3070	46700	4650	18900	4510	4000	10800	428	138	470	924
MIN	24	23	500	351	629	258	202	105	103	37	35	35
CFSM	.08	1.55	13.6	3.43	8.46	3.35	3.15	4.10	.47	.11	.32	.43
IN.	.09	1.73	15.65	3.95	8.81	3.86	3.52	4.73	.52	.13	.37	.48
AC-FT	2290	45960	416300	105100	234300	102600	93580	125800	13910	3490	9790	12670

CAL YR 1982	TOTAL	320344	MEAN	878	MAX	46700	MIN	22	CFSM	1.76	IN	23.88	AC-FT	635400
WTR YR 1983	TOTAL	587758	MEAN	1610	MAX	46700	MIN	23	CFSM	3.23	IN	43.82	AC-FT	1166000

CALCASIEU RIVER BASIN

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08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.44	4.35	15.55	14.16	12.76	12.91	12.29	7.22	9.24	6.81	4.95	4.90
2	4.41	4.37	15.32	13.90	16.36	12.27	11.35	7.01	8.93	6.41	5.29	4.87
3	4.39	4.41	15.32	13.70	17.07	11.45	10.42	6.88	9.40	6.22	8.83	4.85
4	4.37	4.43	15.60	13.45	15.15	10.91	9.69	6.77	9.21	6.04	8.38	4.83
5	4.35	4.46	15.18	13.25	14.25	11.84	10.26	6.64	8.85	5.86	8.31	4.83
6	4.34	4.65	14.61	13.13	13.98	12.91	13.41	6.53	8.79	5.75	9.42	4.85
7	4.42	4.68	14.26	13.09	13.74	13.22	13.67	6.44	9.03	5.65	9.54	4.80
8	4.48	4.60	14.06	13.07	13.47	13.26	13.39	6.36	8.69	5.57	9.70	4.78
9	4.47	4.53	13.72	12.99	13.34	13.35	13.19	6.27	8.21	5.50	9.25	4.77
10	4.45	4.52	13.37	12.69	13.63	13.31	12.94	6.20	8.04	5.46	8.06	4.80
11	4.88	4.49	13.03	12.50	14.00	13.02	12.72	6.20	7.63	5.38	7.91	4.87
12	5.32	4.47	12.56	12.33	13.99	12.43	12.64	6.38	7.09	5.31	7.89	4.90
13	5.35	4.44	12.18	12.06	14.24	11.37	12.52	6.39	6.70	5.25	7.61	4.96
14	5.40	4.42	12.07	11.72	13.94	10.15	12.29	6.55	6.41	5.22	6.85	4.91
15	5.26	4.40	12.32	11.25	13.61	9.25	12.39	6.77	6.23	5.21	6.36	4.84
16	5.21	4.39	12.59	10.64	13.27	8.76	12.58	7.99	6.17	5.17	6.04	4.80
17	5.12	4.50	12.84	9.95	12.84	8.46	13.58	10.61	6.84	5.14	5.81	4.78
18	4.89	4.58	12.89	9.30	12.19	8.25	13.92	12.01	7.04	5.13	5.70	4.80
19	4.73	6.73	12.71	8.85	11.32	8.10	13.57	12.75	6.73	5.12	5.64	5.03
20	4.63	10.51	12.45	9.70	10.50	8.15	13.15	13.40	6.53	5.19	5.50	5.99
21	4.56	11.55	12.22	11.28	10.42	8.73	12.49	14.48	6.40	5.44	5.39	10.41
22	4.51	12.00	11.86	11.70	12.04	9.28	11.32	15.69	6.35	5.27	5.31	11.34
23	4.47	12.37	11.34	11.99	12.71	9.98	9.99	15.69	6.39	5.19	5.24	11.26
24	4.44	12.78	---	12.21	13.54	11.67	9.10	15.10	6.66	5.13	5.20	11.34
25	4.41	12.97	---	12.39	14.38	12.58	8.67	14.52	7.19	5.08	5.15	11.19
26	4.39	13.02	---	12.53	14.03	13.25	8.38	13.98	8.14	5.06	5.10	10.50
27	4.38	13.23	---	12.44	13.66	14.11	8.23	13.56	8.67	5.08	5.05	8.54
28	4.37	13.41	20.38	12.14	13.33	14.07	8.16	13.14	8.87	5.08	5.04	6.88
29	4.36	13.26	19.79	11.87	---	13.76	7.91	12.47	8.37	5.06	5.01	6.23
30	4.36	13.43	16.84	11.75	---	13.39	7.54	11.12	7.45	5.06	4.97	5.90
31	4.35	---	14.78	11.86	---	12.94	---	10.22	---	5.00	4.93	---
MAX	5.40	13.43	20.38	14.16	17.07	14.11	13.92	15.69	9.40	6.81	9.70	11.34
MIN	4.34	4.35	---	8.85	10.42	8.10	7.54	6.20	6.17	5.00	4.93	4.77

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW1/4NE/4 sec. 7, T.5 S., R.4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--Records good. Prior to November, 1981, paper mill at Elizabeth pumps about 11 ft³/s of water from wells which was discharged in to Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--47 years (water years 1923-24, 1939-83) 1,147 ft³/s, 20.69 in/yr, 831,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft³/s May 19, 1953, gage height, 26.53 ft; minimum, 30 ft³/s Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.29 ft Nov. 2, 3, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 8000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	0730	15300	18.63	Feb. 5	0345	23000	19.92
Dec. 30	0730	*51000	*24.33	May 24	1700	14800	18.55

Minimum discharge, 35 ft³/s Nov. 2, 3, gage height 1.29 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	37	5450	21300	2000	4650	3640	516	1890	475	59	81
2	47	36	5360	9990	2490	3800	2870	485	1320	354	63	77
3	45	37	9780	7270	2650	3040	2190	454	1000	259	712	73
4	44	37	14800	5670	11400	2410	1600	426	735	203	4180	70
5	42	37	14500	4680	21300	2340	1230	400	617	172	7480	68
6	41	38	14100	3820	13200	2830	1960	382	597	153	5250	72
7	42	38	10700	3220	8380	3020	3240	366	616	138	2760	80
8	43	40	7730	3190	6620	2980	5350	359	620	129	1290	78
9	44	44	5950	3790	5400	2780	5800	344	597	120	954	69
10	43	46	4880	4200	4990	2620	4470	341	521	112	757	65
11	42	44	4210	4150	4640	2580	3280	336	450	105	645	63
12	44	41	3800	3510	4340	2590	2550	329	392	100	829	60
13	48	41	3460	2640	4500	2510	2110	322	352	96	1480	57
14	68	40	2870	2020	4690	2210	1960	324	304	92	802	53
15	74	40	2450	1710	4830	1740	2090	368	262	92	482	52
16	74	40	2330	1490	4960	1270	1970	937	249	88	360	49
17	75	47	2090	1330	4380	976	1730	777	236	84	280	48
18	71	51	1880	1180	3670	789	1530	551	311	81	237	50
19	70	63	1780	1020	2940	682	1620	1730	295	80	199	66
20	65	136	1760	1500	2340	626	2380	2580	261	79	174	562
21	58	492	1770	2100	2000	592	3220	4670	277	78	157	2050
22	53	682	1720	2420	2110	564	3080	6860	250	85	143	2390
23	49	831	1680	2220	2210	575	2480	8270	281	86	133	1840
24	46	985	1610	1780	2120	1120	1820	14000	250	81	122	1220
25	45	1430	1460	1520	2090	1640	1240	13300	281	74	113	981
26	43	1860	3140	1570	2200	1800	899	9900	333	77	107	876
27	42	2280	18900	1590	3420	2160	712	8140	480	69	101	836
28	40	3330	31600	1630	4940	2300	624	6040	533	66	95	791
29	40	4340	43200	1650	---	2700	572	4320	477	66	91	651
30	40	5090	49800	1640	---	3870	541	3180	503	65	88	425
31	38	---	39200	1530	---	4190	---	2520	---	62	83	---
TOTAL	1567	22253	313960	107330	140810	67954	68758	93527	15290	3821	30226	13853
MEAN	50.5	742	10130	3462	5029	2192	2292	3017	510	123	975	462
MAX	75	5090	49800	21300	21300	4650	5800	14000	1890	475	7480	2390
MIN	38	36	1460	1020	2000	564	541	322	236	62	59	48
CFSM	.07	.99	13.5	4.60	6.68	2.91	3.04	4.01	.68	.16	1.30	.61
IN.	.08	1.10	15.51	5.30	6.96	3.36	3.40	4.62	.76	.19	1.49	.68
AC-FT	3110	44140	622700	212900	279300	134800	136400	185500	30330	7580	59950	27480

CAL YR 1982	TOTAL	489168	MEAN	1340	MAX	49800	MIN	36	CFSM	1.78	IN	24.17	AC-FT	970300
WTR YR 1983	TOTAL	879344	MEAN	2409	MAX	49800	MIN	36	CFSM	3.20	IN	43.44	AC-FT	1744000

CALCASIEU RIVER BASIN

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08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.47	1.31	15.12	19.50	9.24	13.77	12.69	4.05	9.35	4.29	1.76	1.90
2	1.43	1.30	15.03	17.29	10.35	12.57	11.36	3.87	7.70	3.72	1.80	1.86
3	1.40	1.31	17.19	16.36	10.67	11.31	9.95	3.70	6.51	3.23	4.99	1.83
4	1.39	1.31	18.55	15.20	16.54	10.09	8.46	3.53	5.45	2.91	13.25	1.80
5	1.37	1.31	18.49	13.98	19.63	9.94	7.29	3.37	4.94	2.71	16.48	1.78
6	1.36	1.32	18.42	12.65	18.22	10.95	9.40	3.25	4.85	2.59	14.84	1.81
7	1.37	1.32	17.70	11.76	16.91	11.32	12.05	3.14	4.94	2.48	11.18	1.88
8	1.38	1.34	16.60	11.72	15.99	11.28	14.94	3.08	4.95	2.40	7.60	1.87
9	1.39	1.39	15.52	12.71	14.87	10.89	15.40	2.98	4.85	2.32	6.33	1.77
10	1.38	1.41	14.53	13.34	14.23	10.60	13.98	2.94	4.49	2.26	5.54	1.73
11	1.37	1.39	13.73	13.25	13.84	10.51	12.20	2.89	4.15	2.20	5.07	1.71
12	1.39	1.36	13.11	12.25	13.47	10.56	10.85	2.82	3.85	2.16	5.78	1.68
13	1.44	1.36	12.55	10.67	13.66	10.40	9.91	2.76	3.64	2.12	8.25	1.65
14	1.64	1.35	11.51	9.32	13.88	9.78	9.55	2.74	3.38	2.08	5.70	1.61
15	1.70	1.34	10.66	8.51	14.09	8.61	9.86	2.95	3.14	2.09	4.32	1.60
16	1.70	1.35	10.41	7.90	14.27	7.19	9.54	5.46	3.07	2.05	3.74	---
17	1.71	1.43	9.87	7.39	13.48	6.08	8.88	4.80	2.99	2.01	3.33	---
18	1.67	1.47	9.36	6.81	12.40	5.35	8.31	3.79	3.42	1.98	3.09	---
19	1.66	1.59	9.08	6.22	11.15	4.90	8.52	7.69	3.33	1.98	2.86	1.75
20	1.61	2.28	9.04	7.79	9.93	4.67	10.35	10.23	3.14	1.97	2.69	4.52
21	1.54	4.35	9.07	9.00	9.14	4.53	11.98	13.81	3.23	1.96	2.58	9.74
22	1.49	5.22	8.92	10.22	9.42	4.42	11.70	16.15	3.07	2.02	2.48	10.55
23	1.45	5.85	8.83	9.78	9.66	4.48	10.50	16.88	3.25	2.04	2.39	9.24
24	1.42	6.45	8.62	8.69	9.42	6.68	8.92	18.42	3.07	1.98	2.30	7.36
25	1.40	8.11	8.21	8.00	9.36	8.45	7.16	18.28	3.25	1.92	2.22	6.44
26	1.38	9.30	11.54	8.13	9.60	8.90	5.82	17.52	3.54	1.95	2.17	6.03
27	1.37	10.32	19.14	8.20	11.89	9.82	5.03	16.82	4.30	1.87	2.11	5.87
28	1.35	12.32	21.33	8.29	14.18	10.18	4.62	15.60	4.55	1.84	2.06	5.68
29	1.34	13.88	23.15	8.35	---	10.96	4.36	13.90	4.30	1.84	2.02	5.09
30	1.34	14.76	24.18	8.32	---	13.02	4.19	12.08	4.42	1.83	1.98	4.04
31	1.32	---	22.53	7.99	---	13.54	---	10.82	---	1.79	1.94	---
MAX	1.71	14.76	24.18	19.50	19.63	13.77	15.40	18.42	9.35	4.29	16.48	10.55
MIN	1.32	1.30	8.21	6.22	9.14	4.42	4.19	2.74	2.99	1.79	1.76	---

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1966-70, 1976 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to June 1977.

pH: October 1975 to June 1977.

WATER TEMPERATURES: October 1975 to June 1977.

DISSOLVED OXYGEN: October 1975 to June 1977.

INSTRUMENTATION.--Water-quality monitor October 1975 to June 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 380 micromhos Sept. 29, 1976; minimum, 16 micromhos Mar. 9, 1977.

pH: Maximum, 7.6 units May 12, 1977; minimum, 5.0 units Mar. 9, 10, 1977.

WATER TEMPERATURES: Maximum, 30.5°C July 31, Aug. 1, 1976; minimum, 4.0°C Jan. 19-21, 1977.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Nov. 29, 1975; minimum, 3.7 mg/L May 9, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 18...	1145	70	6.4	20.0	50	10	9.2	1.9
JAN 10...	1215	27	5.9	14.0	70	20	8.6	--
APR 07...	1000	34	5.4	17.0	50	25	7.2	2.0
JUL 11...	1120	70	6.4	27.5	50	15	7.0	1.0

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 18...	K20	K65	14	3.5	1.3	8.3	1.1	18	3.0
JAN 10...	560	2000	7	1.9	.5	1.9	1.0	5	3.0
APR 07...	K7400	K7000	8	2.3	.6	2.6	.8	3	6.5
JUL 11...	K9	130	16	4.3	1.3	8.5	1.6	17	10

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 18...	8.4	<.1	27	73	64	<.1	.4	.07
JAN 10...	2.9	<.1	6.4	38	21	<.1	.5	.05
APR 07...	3.5	<.1	5.5	41	24	.1	.5	.07
JUL 11...	6.4	<.1	19	72	61	.2	.9	.08

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

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

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 18...	2	<1	<1	<1	<1	<1	3	<1	260	83	7
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 18...	<10	34	42	<.1	<.01	7	1	4.7	<.01	1	<.1
DATE	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 18...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.1
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 18...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR, EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 18...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 18...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 18...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01	<.01

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

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE1/4NE1/4 sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi downstream from Tenmile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.--510 mi².

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years, 807 ft³/s, 21.49 in/yr, 584,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft³/s May 18, 1953, gage height, 32.8 ft, from floodmark from rating curve extended above 35,000 ft³/s on basis of slope-area measurement of peak flow; minimum, 88 ft³/s Oct. 19, 20, 1956; minimum gage height, 2.41 ft Sept. 9, 10, 11, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 2	1915	9490	18.80	Mar. 8	1445	3220	12.13
Dec. 28	0715	*45100	*25.67	May 24	2030	7570	17.31
Feb. 2	2000	20900	21.88				

Minimum discharge, 134 ft³/s Oct. 31, Nov. 1, 2, gage height, 2.46 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	134	7050	5210	2470	824	852	463	659	419	219	232
2	148	138	9320	3370	8620	831	801	452	673	400	228	224
3	145	144	9460	2670	13400	760	731	446	653	382	456	218
4	142	156	8820	2550	8270	712	677	436	599	365	1320	212
5	142	198	7900	2370	5950	925	659	426	552	353	2170	209
6	145	211	6280	1590	4450	1030	962	424	541	340	2420	207
7	146	188	4770	1210	3270	1560	996	407	584	330	1670	208
8	159	170	2970	1320	2860	3210	998	402	1130	322	748	206
9	189	157	1280	2120	2840	460	1000	391	1310	313	460	205
10	187	150	806	2350	3030	1400	1220	427	1000	303	498	210
11	187	145	793	2400	2960	872	1600	435	649	294	605	220
12	186	142	1200	2020	2790	748	994	425	552	289	590	238
13	203	139	1550	1210	2780	681	837	557	506	283	694	260
14	212	139	1440	919	2340	640	867	576	477	280	491	228
15	254	140	1010	807	1390	616	1340	499	461	292	417	219
16	231	141	984	740	1120	592	1800	587	454	309	380	205
17	195	152	1110	687	997	570	1870	717	782	347	348	199
18	175	173	917	643	904	553	1150	1260	852	326	322	208
19	163	349	634	622	831	549	814	1680	666	297	301	259
20	154	850	530	1080	777	549	710	1350	624	281	289	483
21	149	1390	469	2300	585	553	648	3500	617	274	287	1160
22	145	1720	425	2320	1020	791	612	4850	536	286	279	2290
23	143	1920	465	2170	1050	865	598	5420	578	295	258	2270
24	141	2080	559	1600	1100	1570	606	6970	565	285	247	2290
25	140	2670	622	1080	1170	2150	606	6810	821	270	244	1240
26	139	2680	4290	987	1210	2300	564	4320	797	251	245	541
27	137	2490	30200	1090	991	2670	524	1540	626	239	242	433
28	136	3550	40800	915	865	2700	497	975	550	232	235	375
29	136	3880	24300	771	---	1840	478	822	493	228	229	338
30	136	4620	10100	725	---	1120	470	721	455	228	226	312
31	134	---	7310	922	---	905	---	657	---	223	226	---
TOTAL	5050	31016	188364	50768	80040	35546	26481	48945	19762	9336	17344	15899
MEAN	163	1034	6076	1638	2859	1147	883	1579	659	301	559	530
MAX	254	4620	40800	5210	13400	3210	1870	6970	1310	419	2420	2290
MIN	134	134	425	622	585	460	470	391	454	223	219	199
CFSM	.32	2.03	11.9	3.21	5.61	2.25	1.73	3.10	1.29	.59	1.10	1.04
IN.	.37	2.26	13.74	3.70	5.84	2.59	1.93	3.57	1.44	.68	1.27	1.16
AC=FT	10020	61520	373600	100700	158800	70510	52530	97080	39200	18520	34400	31540
CAL YR 1982	TOTAL	335583	MEAN	919	MAX	40800	MIN	127	CFSM	1.80	IN	24.48
WTR YR 1983	TOTAL	528551	MEAN	1448	MAX	40800	MIN	134	CFSM	2.84	IN	38.55
									AC=FT	665600		
									AC=FT	1048000		

CALCASIEU RIVER BASIN

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08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	2.46	16.62	14.85	10.16	5.53	5.36	3.93	4.67	3.76	3.03	3.10
2	2.57	2.49	18.69	12.26	18.22	5.55	5.19	3.89	4.73	3.69	3.08	3.06
3	2.54	2.54	18.70	10.81	20.06	5.31	4.95	3.87	4.65	3.62	4.08	3.02
4	2.52	2.63	18.35	10.51	17.79	5.15	4.76	3.82	4.44	3.55	7.07	2.99
5	2.52	2.91	17.61	10.03	15.69	5.86	4.69	3.78	4.25	3.50	9.50	2.98
6	2.54	2.98	16.03	7.87	13.91	6.20	5.72	3.77	4.21	3.45	10.16	2.96
7	2.55	2.84	14.32	6.76	12.12	7.67	5.83	3.71	4.37	3.42	8.11	2.97
8	2.64	2.72	11.41	7.09	11.28	12.01	5.83	3.69	6.22	3.39	5.24	2.96
9	2.84	2.64	7.49	9.36	11.23	10.53	5.85	3.64	6.75	3.36	4.16	2.95
10	2.83	2.58	6.08	9.97	11.65	7.30	6.52	3.80	5.79	3.32	4.32	2.98
11	2.84	2.55	6.04	10.10	11.51	5.68	7.71	3.83	4.61	3.28	4.75	3.04
12	2.83	2.52	7.32	9.09	11.12	5.27	5.83	3.79	4.23	3.26	4.69	3.13
13	2.94	2.50	8.27	6.74	11.10	5.04	5.31	4.32	4.05	3.24	5.08	3.25
14	2.99	2.50	7.99	5.84	9.95	4.89	5.42	4.39	3.93	3.23	4.30	3.08
15	3.22	2.51	6.76	5.47	7.31	4.79	6.93	4.09	3.87	3.30	3.99	3.03
16	3.09	2.51	6.67	5.24	6.47	4.70	8.34	4.44	3.83	3.40	3.83	2.95
17	2.89	2.60	7.07	5.06	6.09	4.61	8.57	4.90	5.02	3.58	3.69	2.91
18	2.75	2.74	6.45	4.89	5.79	4.54	6.33	6.66	5.29	3.50	3.57	2.97
19	2.67	3.66	5.48	4.81	5.55	4.53	5.24	7.98	4.66	3.37	3.47	3.24
20	2.62	5.59	5.07	6.30	5.37	4.53	4.89	6.96	4.49	3.29	3.41	4.25
21	2.58	7.30	4.83	9.84	5.64	4.54	4.66	12.36	4.46	3.26	3.39	6.39
22	2.55	8.25	4.65	9.91	6.16	5.41	4.53	14.43	4.16	3.34	3.35	9.82
23	2.53	8.83	4.81	9.50	6.26	5.66	4.47	15.11	4.33	3.39	3.24	9.77
24	2.52	9.25	5.19	7.91	6.42	7.78	4.50	16.72	4.29	3.34	3.18	9.83
25	2.51	10.81	5.43	6.35	6.62	9.44	4.50	16.56	5.21	3.27	3.16	6.78
26	2.50	10.84	12.68	6.06	6.76	9.85	4.34	13.57	5.14	3.18	3.17	4.49
27	2.49	10.34	23.17	6.37	6.07	10.81	4.18	7.51	4.55	3.13	3.15	4.06
28	2.48	12.61	25.12	5.82	5.66	10.88	4.07	5.76	4.26	3.09	3.11	3.81
29	2.48	13.13	22.48	5.35	---	8.45	3.99	5.25	4.04	3.08	3.09	3.64
30	2.48	14.12	19.11	5.19	---	6.21	3.96	4.91	3.90	3.08	3.07	3.52
31	2.47	---	17.04	5.84	---	5.53	---	4.68	---	3.05	3.07	---
MAX	3.22	14.12	25.12	14.85	20.06	12.01	8.57	16.72	6.75	3.76	10.16	9.83
MIN	2.47	2.46	4.65	4.81	5.37	4.53	3.96	3.64	3.83	3.05	3.03	2.91

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW1/4SE1/4 sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky Chitto Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.--1,700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Prior to November, 1981, paper mill at Elizabeth pumps about 11 ft³/s from wells which as later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s and this diversion results in marked regulation of the low-water flow. Records of water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years (water years 1923-24, 1939-57, 1962-83), 2,568 ft³/s, 1,860,500 acre-ft/yr

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft³/s May 19, 1953, gage height, 32.00 ft; minimum, 136 ft³/s Aug. 15, 1956; minimum gage height, 1.42 ft Sept 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 100,000 ft³/s Dec. 29, gage height, 26.22 ft; minimum, 231 ft³/s Nov. 15, 16, gage height, 1.62 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	326	240	12400	46300	5770	5230	5140	1200	3580	1210	444	446
2	307	237	16200	27800	7520	5410	4840	1170	2890	1080	431	442
3	294	254	19100	17100	22000	4980	4000	1130	2170	947	544	426
4	284	282	23700	12600	23000	4280	3240	1090	1780	863	2000	408
5	277	310	28200	10000	21500	4060	2770	1060	1510	781	4380	393
6	290	336	26000	8230	29000	6050	3410	1020	1400	1100	6910	406
7	303	331	23000	6100	22700	6840	4830	963	1400	1010	7750	409
8	375	303	18900	5610	15700	6790	6200	922	1540	711	4940	406
9	352	282	13100	6380	12200	6570	7980	888	1950	652	2810	384
10	345	271	8530	7170	10900	5470	9490	877	1990	625	2160	402
11	339	262	6950	7230	10600	4210	8130	998	1610	609	1850	447
12	355	258	6170	7140	9630	3820	5550	980	1300	587	1900	470
13	375	243	5970	5980	8600	3570	4130	998	1150	566	2610	572
14	414	247	5700	4440	8390	3400	3590	1080	1050	560	2740	744
15	434	232	5310	3480	7800	3130	3400	1200	991	949	1840	730
16	454	235	4770	3060	7200	2620	3810	1770	985	1050	1340	712
17	412	268	4370	2690	6700	2150	4130	2120	1200	1060	1130	689
18	371	298	4010	2420	6000	1860	3980	1930	1500	963	1010	694
19	341	392	3510	2270	5500	1680	3200	3580	1420	835	986	885
20	320	755	3100	3500	4900	1610	2970	7070	1270	728	899	1760
21	304	1590	2890	5520	4600	1560	3310	11800	1240	694	686	4760
22	288	2210	2840	6040	4570	1560	3680	17400	1170	658	639	6750
23	272	2610	2830	5850	5110	1810	3740	19400	1270	640	601	5940
24	260	2970	2840	5340	5280	2650	3340	19800	1570	624	560	4980
25	252	3800	2820	4240	5360	4320	2640	22100	1590	594	536	3790
26	246	4500	5480	3710	5380	4700	2000	22600	1740	548	528	2750
27	243	5580	36100	3430	4740	5230	1630	16300	1600	519	505	2000
28	239	7040	86400	3320	4640	5910	1440	11000	1500	498	511	1770
29	241	8520	93200	3170	---	6140	1320	7380	1380	487	491	1620
30	243	10300	80800	3090	---	5550	1250	5740	1260	469	463	1380
31	247	---	65800	3050	---	5190	---	4520	---	459	477	---
TOTAL	9403	55156	620990	236260	285290	128350	119140	190086	47006	23076	54671	47565
MEAN	316	1839	20030	7621	10190	4140	3971	6132	1567	744	1764	1586
MAX	454	10300	93200	46300	29000	6840	9490	22600	3580	1210	7750	6750
MIN	239	232	2820	2270	4570	1560	1250	877	985	459	431	384
AC-FT	19440	109400	1232000	468600	565900	254600	236300	377000	93240	45770	108400	94350

CAL YR 1982 TOTAL 1068319 MEAN 2927 MAX 93200 MIN 228 AC-FT 2119000
WTR YR 1983 TOTAL 1817393 MEAN 4979 MAX 93200 MIN 232 AC-FT 3605000

CALCASIEU RIVER BASIN

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08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.91	1.65	16.25	21.33	11.47	12.44	12.34	4.52	10.32	4.82	2.51	2.51
2	1.85	1.64	17.09	19.32	13.86	12.64	11.99	4.41	8.90	4.43	2.46	2.50
3	1.81	1.69	17.72	17.48	17.64	12.16	11.16	4.28	7.32	4.04	2.81	2.45
4	1.78	1.78	18.50	16.29	18.38	11.25	9.88	4.17	6.32	3.78	6.79	2.39
5	1.76	1.86	19.17	15.48	18.12	10.93	8.62	4.07	5.62	3.54	10.72	2.35
6	1.80	1.94	18.85	14.75	19.28	12.82	9.53	3.98	5.33	4.48	13.36	2.39
7	1.85	1.92	18.40	13.62	18.33	13.95	11.49	3.80	5.34	4.22	14.49	2.40
8	2.06	1.84	17.70	12.85	17.04	13.91	13.03	3.68	5.72	3.33	12.95	2.37
9	1.99	1.77	16.61	13.55	16.18	13.72	14.37	3.58	6.77	3.15	9.26	2.32
10	1.97	1.74	15.13	14.16	15.79	13.04	15.30	3.55	6.86	3.06	7.29	2.38
11	1.95	1.71	14.00	14.20	15.69	11.56	14.91	3.90	5.89	3.01	6.52	2.52
12	2.00	1.70	13.38	14.14	15.35	10.57	13.31	3.85	5.05	2.95	6.63	2.59
13	2.06	1.66	13.20	13.52	14.95	10.18	11.51	3.90	4.62	2.88	8.32	2.90
14	2.18	1.67	12.94	11.94	14.84	9.91	10.21	4.13	4.33	2.86	8.59	3.43
15	2.24	1.62	12.52	10.34	---	9.35	9.89	4.50	4.17	4.04	6.48	3.38
16	2.30	1.63	11.90	9.21	---	8.29	10.56	6.08	4.15	4.34	5.17	3.33
17	2.17	1.73	11.37	8.45	---	7.12	11.04	7.02	4.78	4.37	4.56	3.26
18	2.05	1.82	10.86	7.84	---	6.33	10.82	6.52	5.61	4.08	4.21	3.27
19	1.96	2.11	10.08	7.42	---	5.84	9.51	9.58	5.38	3.70	4.15	3.84
20	1.89	3.19	9.30	9.44	---	5.64	9.04	13.46	4.96	3.38	3.89	6.26
21	1.84	5.57	8.88	12.25	---	5.51	9.72	15.80	4.89	3.27	3.25	10.97
22	1.79	7.26	8.77	13.26	11.64	5.52	10.37	17.40	4.71	3.16	3.10	13.42
23	1.74	8.29	8.76	13.09	12.31	6.20	10.45	17.78	4.97	3.11	2.99	13.16
24	1.71	9.05	8.76	12.56	12.50	8.31	9.77	17.83	5.79	3.06	2.86	12.14
25	1.68	10.31	8.72	11.52	12.59	10.95	8.33	18.26	5.85	2.97	2.79	10.95
26	1.67	11.55	11.09	10.40	12.61	11.82	6.72	18.33	6.24	2.83	2.76	8.59
27	1.66	12.49	19.02	9.96	11.86	12.44	5.70	17.21	5.87	2.74	2.70	6.88
28	1.65	13.77	25.04	9.75	11.74	13.14	5.18	15.59	5.60	2.67	2.71	6.32
29	1.65	14.89	25.63	9.44	---	13.35	4.84	14.12	5.27	2.64	2.65	5.91
30	1.66	15.59	24.54	9.27	---	12.78	4.63	13.10	4.95	2.58	2.56	5.29
31	1.67	---	23.18	9.21	---	12.40	---	11.98	---	2.55	2.51	---
MAX	2.30	15.59	25.63	21.33	19.28	13.95	15.30	18.33	10.32	4.82	14.49	13.42
MIN	1.65	1.62	8.72	7.42	---	5.51	4.63	3.55	4.15	2.55	2.46	2.32

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1979 to September 1982.

WATER TEMPERATURES: June 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sept. 21, 1979.

WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 26, 1981; minimum daily, 6.0°C Jan. 12, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 18...	1100	372	58	5.9	19.5	40	13	8.7	2.0	K50	240
JAN 10...	1115	7250	29	5.8	13.5	50	32	9.1	1.9	K850	13000
APR 07...	1100	4420	40	5.4	17.0	60	32	8.0	2.4	6300	7100
JUL 11...	1010	618	58	6.5	26.5	30	9.9	7.2	.8	K23	400

DATE	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 18...	12	2.9	1.1	6.2	1.7	13	6.0	7.5	<.1	22
JAN 10...	8	1.9	.6	2.7	1.4	4	3.0	3.6	<.1	8.1
APR 07...	9	2.3	.7	3.6	1.0	3	6.9	5.4	<.1	8.5
JUL 11...	14	3.7	1.2	6.6	1.4	15	4.6	5.8	<.1	23

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 18...	71	55	.15	.06	.7	--	.10	.06	50	2
JAN 10...	34	23	.13	.09	<.1	.09	.02	.01	120	1
APR 07...	44	30	.12	.13	.5	.07	.02	.01	100	1
JUL 11...	56	55	.14	.09	.3	.07	.07	.03	<10	1

DATE	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 18...	37	<1	<1	<1	<3	9	210	5	<4
JAN 10...	32	<1	<1	--	<3	17	280	11	<4
APR 07...	39	1	1	<1	3	3	340	2	4
JUL 11...	76	<1	<1	<1	5	2	360	6	<4

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

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

CALCASIEU RIVER BASIN

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08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYBDENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRONTIUM, DIS- SOLVED (UG/L AS SR)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 18...	17	.1	<10	3	<1	<1	27	<6	12
JAN 10...	55	.3	<10	3	<1	<1	11	<6	32
APR 07...	75	.1	10	2	<1	<1	15	6	10
JUL 11...	73	.1	<10	1	<1	<1	28	<6	19

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	48	48	58
JAN 10...	35	685	89
APR 07...	70	835	64
JUL 11...	24	40	67

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

CALCASIEU RIVER BASIN

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

LOCATION.--Lat 30°28'15", long 93°21'35", in SE1/4 NW1/4 sec.11, T.7 S., R.10 W., Beauregard Parish, Hydrologic Unit 08080205, 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 mi downstream from Hams Creek, and 4.4 mi northeast of De Quincy.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--August 1945 to current year.

REVISED RECORDS.--WSP 1118: 1946, 1947(m). WSP 1512: 1945.

GAGE.--Water-stage recorder. Datum of gage is 25.29 ft National Geodetic Vertical Datum of 1929. 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.

REMARKS.--Records good, except those periods of no gage-height record, which are fair. Records of water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--38 years, 199 ft³/s, 18.26 in/yr, 144,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft³/s May 21, 1955, gage height, 24.45 ft; minimum, 0.08 ft³/s Nov. 1, 1978; minimum gage height, 0.87 ft Sept. 26, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 1	1245	1970	16.93	Feb. 6	0830	2520	17.18
Dec. 27	2015	*15900	*23.71	Feb. 10	1130	1710	15.35
Feb. 1	1415	2760	17.61	May 21	1200	3970	19.33
Feb. 3	1530	3200	18.34				

Minimum daily discharge, 1.6 ft³/s Oct. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	1.7	1840	1470	2400	105	105	14	36	33	6.0	8.1
2	2.6	1.9	1510	1360	1720	90	72	14	32	33	5.9	6.8
3	2.3	2.5	1460	852	2890	76	53	13	30	30	6.2	6.4
4	2.1	3.2	1480	550	2520	74	41	12	39	24	6.3	5.7
5	2.0	3.8	1180	510	1710	400	36	11	30	30	6.0	5.2
6	1.9	5.0	995	445	2290	365	185	10	201	854	6.8	20
7	2.8	3.9	896	217	1360	309	389	9.6	101	341	42	20
8	1.9	3.4	805	429	875	325	424	15	39	50	37	39
9	9.2	3.1	392	1080	896	224	500	14	45	27	19	85
10	5.1	3.1	122	876	1600	96	500	14	42	19	53	14
11	3.7	3.7	296	606	1170	60	221	31	33	15	32	10
12	3.5	3.3	463	453	826	45	87	26	27	12	338	11
13	4.7	2.8	307	363	804	37	57	24	22	11	1030	29
14	9.5	2.6	263	160	818	33	50	25	19	262	270	31
15	8.3	2.4	410	92	460	31	59	155	18	632	382	29
16	6.9	2.5	376	69	151	29	90	575	16	612	107	16
17	5.6	6.6	266	57	99	28	144	103	17	409	44	9.9
18	4.9	16	243	49	77	27	114	66	24	188	72	12
19	4.9	14	177	56	64	26	57	1630	51	130	249	207
20	4.4	36	108	801	55	29	36	2050	42	68	108	582
21	3.8	63	78	953	730	39	28	3510	104	40	157	793
22	3.3	88	67	622	1010	41	24	3520	112	30	98	442
23	2.9	78	171	498	692	116	22	2320	92	24	44	242
24	2.6	677	119	487	643	744	20	1560	212	18	23	126
25	2.3	440	173	475	771	536	19	1280	286	14	15	48
26	2.2	376	4230	259	698	661	19	956	265	12	11	27
27	2.0	787	12400	173	251	1010	18	381	145	10	10	19
28	1.9	997	12200	138	124	800	15	98	104	8.8	11	15
29	1.8	652	6030	102	---	519	14	64	75	8.0	9.1	12
30	1.7	819	3380	130	---	199	13	51	45	7.2	17	10
31	1.6	---	2070	362	---	155	---	42	---	6.4	24	---
TOTAL	132.6	5098.5	54507	14694	27704	7229	3412	18593.6	2304	3958.4	3239.3	2881.1
MEAN	4.28	170	1758	474	989	233	114	600	76.8	128	104	96.0
MAX	19	997	12400	1470	2890	1010	500	3520	286	854	1030	793
MIN	1.6	1.7	67	49	55	26	13	9.6	16	6.4	5.9	5.2
CFSM	.03	1.15	11.9	3.20	6.68	1.57	.77	4.05	.52	.87	.70	.65
IN.	.03	1.28	13.70	3.69	6.96	1.82	.86	4.67	.58	.99	.81	.72
AC=FT	263	10110	108100	29150	54950	14340	6770	36880	4570	7850	6430	5710

CAL YR 1982	TOTAL	95067.8	MEAN	260	MAX	12400	MIN	1.6	CFSM	1.76	IN	23.90	AC=FT	184600
WTR YR 1983	TOTAL	143753.5	MEAN	394	MAX	12400	MIN	1.6	CFSM	2.66	IN	36.13	AC=FT	285100

CALCASIEU RIVER BASIN

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08016400 BECKWITH CREEK NEAR DE QUINCY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.34	---	16.41	14.30	16.90	3.81	3.81	1.94	2.28	2.25	1.51	1.87
2	1.29	---	14.70	13.71	15.35	3.59	3.28	1.93	2.18	2.25	1.51	1.79
3	1.26	1.28	14.44	10.58	17.66	3.37	2.92	1.89	2.11	2.16	1.53	1.77
4	1.24	1.35	14.52	8.18	17.06	3.30	2.69	1.86	2.27	2.02	1.54	1.72
5	1.22	1.39	12.76	8.00	15.31	7.00	2.57	1.81	3.79	2.12	1.52	1.69
6	1.22	1.48	11.57	7.42	16.74	6.70	4.68	1.78	4.68	10.50	1.58	2.14
7	1.30	1.41	10.91	5.21	13.64	6.19	6.90	1.76	3.40	6.07	2.62	2.31
8	2.09	1.36	10.27	7.11	10.76	6.34	7.23	1.97	2.34	2.65	2.56	2.52
9	1.73	1.34	6.59	12.14	10.88	5.27	7.91	1.96	2.45	2.15	2.11	3.51
10	1.49	1.33	3.70	10.77	14.87	3.67	7.91	1.94	2.40	1.93	2.91	2.13
11	1.39	1.39	5.56	8.77	12.68	3.05	5.27	2.45	2.20	1.79	2.48	1.99
12	1.37	1.36	7.32	7.50	10.42	2.78	3.53	2.31	2.03	1.70	5.39	2.00
13	1.46	1.31	5.81	6.67	10.28	2.62	3.01	2.27	1.90	1.65	11.71	2.57
14	1.75	1.29	5.38	4.52	10.37	2.52	2.87	2.31	1.81	4.82	5.77	2.64
15	1.69	1.27	6.81	3.62	7.49	2.46	3.04	3.83	1.77	8.94	6.88	2.59
16	1.61	1.28	6.46	3.23	4.41	2.42	3.59	8.32	1.73	8.79	3.89	2.19
17	1.52	1.54	5.40	3.01	3.73	2.38	4.32	3.77	1.75	6.96	2.88	1.96
18	1.48	2.01	5.17	2.85	3.37	2.35	3.93	3.17	1.92	4.74	3.30	2.03
19	1.48	1.93	4.39	2.97	3.13	2.33	3.01	13.69	2.57	4.03	5.70	4.62
20	1.44	2.59	3.50	10.02	2.97	2.40	2.58	16.34	2.39	3.10	4.05	8.62
21	1.39	3.11	3.04	11.27	9.15	2.64	2.38	18.70	3.48	2.57	4.67	10.19
22	1.35	3.56	2.85	8.92	11.66	2.69	2.26	18.76	3.59	2.35	3.89	7.49
23	1.32	3.39	4.31	7.90	9.46	3.67	2.19	16.80	3.29	2.17	2.94	5.64
24	1.29	9.22	3.66	7.80	9.08	9.83	2.14	14.81	4.84	2.02	2.43	4.23
25	1.26	7.37	4.12	7.69	10.04	8.22	2.11	13.34	5.65	1.90	2.17	2.97
26	1.24	6.79	19.37	5.64	9.49	9.10	2.11	11.30	5.42	1.80	2.02	2.47
27	1.23	9.92	22.92	4.69	5.51	11.69	2.07	6.48	4.02	1.72	1.98	2.25
28	1.22	11.55	22.92	4.25	4.08	10.25	2.00	3.39	3.50	1.66	2.00	2.10
29	---	9.16	20.88	3.77	---	8.08	1.95	2.83	3.04	1.62	1.92	1.99
30	---	10.25	18.53	4.12	---	4.98	1.91	2.59	2.49	1.58	2.18	1.91
31	---	---	16.23	6.15	---	4.45	---	2.41	---	1.53	2.43	---
MAX	2.09	11.55	22.92	14.30	17.66	11.69	7.91	18.76	5.65	10.50	11.71	10.19
MIN	---	---	2.85	2.85	2.97	2.33	1.91	1.76	1.73	1.53	1.51	1.69

SABINE RIVER BASIN

08022500 SABINE RIVER AT LOGANSFORT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana - Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, just upstream from bridge on U.S. Highway 84, 3 mi upstream from Bayou Castor, 111 mi upstream from Toledo Bend Dam, and at mile 267.1.

DRAINAGE AREA.--4,842 mi².

PERIOD OF RECORD.--Water years 1973, 1976 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 20...	1200	701	7.2	23.0	20	8.0	7.3	4.9
JAN 12...	1145	296	6.7	9.5	40	15	10.4	7.5
APR 05...	0915	235	6.6	15.0	50	20	8.3	1.5
JUL 13...	1145	212	6.8	28.5	60	20	5.9	.0

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 20...	K45	1700	100	29	7.1	97	5.5	84	62
JAN 12...	K30	550	51	13	4.4	32	3.6	39	32
APR 05...	24	1900	53	14	4.3	20	2.9	26	30
JUL 13...	K6	440	47	13	3.5	21	4.5	37	23

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+N03 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 20...	120	.4	3.7	390	375	<.1	1.0	.03
JAN 12...	38	.2	13	180	159	.3	.4	.15
APR 05...	31	.1	9.4	140	128	.2	.4	.10
JUL 13...	23	.2	8.9	148	119	.2	.7	.14

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 20...	1	2	<1	<1	3	<1	3	2	15	2500	2

DATE	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERED FROM BOTTOM MATERIAL (UG/L AS HG)	MERCURY RECOVERED FROM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)
OCT 20...	50	71	98	.2	<.01	12	16	6.3	<.01	3	<.1

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

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

08022500 SABINE RIVER AT LOGANSFORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<1	<.1	<1	<.01	<.1	<.1	29	<.01	6.6	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOTAL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
OCT 20...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 20...	72
JAN 12...	27
APR 05...	40
JUL 13...	26

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

08022765 BAYOU CASTOR NEAR FUNSTON, LA

LOCATION.--Lat 32°00'57", long 93°57'35", SW1/4NE1/4 sec.24, T.12 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi downstream from Bushneck Bayou, and 2.4 mi south of Funston.

DRAINAGE AREA.--91.5 mi².

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 185.50 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--12 years, 65.8 ft³/s, 9.77 in/yr, 47,670 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,690 ft³/s Jan.24, 1974, gage height, 15.23 ft, minimum, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 15	2245	*3560	*14.87	Feb. 10	2215	1840	14.10
Dec. 27	1245	2120	14.25	Feb. 22	1615	1890	14.13
Feb. 6	1330	2370	14.37	May 21	1830	2720	14.52

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	2.8	26	67	389	35	41	4.6	29	15	.26	.00
2	.01	2.8	22	124	542	32	33	4.5	23	11	.21	.00
3	.00	13	154	114	164	29	33	11	18	6.1	.23	.00
4	.00	20	413	67	59	40	26	14	13	4.5	.27	.00
5	.00	17	261	47	425	298	23	6.7	11	3.9	.28	.00
6	.00	9.3	75	38	2020	396	24	4.4	14	3.5	.28	.00
7	.00	6.3	43	34	1150	113	29	3.4	22	3.9	.25	.00
8	.04	3.4	27	32	241	55	29	2.7	36	2.7	.21	.00
9	.15	1.5	19	30	275	38	26	2.3	19	2.0	.17	.00
10	.35	.67	19	28	1430	30	22	2.1	12	1.7	.20	.00
11	.08	.46	203	25	1320	25	18	10	7.5	1.6	.29	.00
12	.20	.29	538	21	321	22	15	21	5.6	1.4	.23	.00
13	.40	.22	471	19	99	20	14	15	4.5	1.3	.20	.00
14	.25	.17	97	17	68	19	14	9.3	3.9	1.2	.15	.00
15	.19	.14	2250	16	54	18	12	85	3.4	1.3	.13	.00
16	.19	.13	2420	15	44	17	10	117	3.3	1.7	.11	.00
17	.15	1.5	731	14	38	17	9.5	39	3.1	2.0	.11	.00
18	.12	25	123	13	33	16	8.7	36	3.0	3.2	.08	.00
19	.11	37	66	14	30	15	7.8	286	2.8	4.1	.06	.00
20	.13	68	48	18	27	28	7.2	850	2.7	1.8	.04	.00
21	.12	99	37	22	276	46	7.8	1970	2.6	1.3	.03	.00
22	.10	28	32	23	1450	35	7.4	2390	2.4	1.1	.02	.00
23	.09	24	31	22	1370	73	11	1220	2.3	1.0	.02	.00
24	.08	47	46	20	444	326	11	207	2.2	.86	.01	.00
25	.07	27	66	25	110	216	8.7	53	3.1	.71	.01	.00
26	.06	21	640	26	67	146	7.3	35	2.1	.57	.00	.00
27	.03	110	1810	27	48	362	5.9	26	28	.49	.00	.00
28	.02	299	1670	24	40	162	5.2	20	92	.44	.00	.00
29	3.0	186	800	22	---	59	4.9	17	48	.39	.00	.00
30	2.5	45	153	20	---	41	4.6	21	22	.33	.00	.00
31	2.9	---	71	32	---	41	---	31	---	.30	.00	---
TOTAL	11.36	1095.68	13362	1016	12534	2770	476.0	7514.0	441.5	81.39	3.85	.00
MEAN	.37	36.5	431	32.8	448	89.4	15.9	242	14.7	2.63	.12	.000
MAX	3.0	299	2420	124	2020	396	41	2390	92	15	.29	.00
MIN	.00	.13	19	13	27	15	4.6	2.1	2.1	.30	.00	.00
CFSM	.004	.40	4.71	.36	4.90	.98	.17	2.65	.16	.03	.001	.000
IN.	.00	.45	5.43	.41	5.10	1.13	.19	3.05	.18	.03	.00	.00
AC-FT	23	2170	26500	2020	24860	5490	944	14900	876	161	7.6	.00
CAL YR 1982 TOTAL	18710.32			MEAN 51.3	MAX 2420	MIN .00	CFSM .56	IN 7.61	AC-FT 37110			
WTR YR 1983 TOTAL	39305.78			MEAN 108	MAX 2420	MIN .00	CFSM 1.18	IN 15.98	AC-FT 77960			

08022765 BAYOU CASTOR NEAR FUNSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.67	2.42	3.51	4.98	10.33	3.87	4.13	2.55	3.61	2.82	1.97	1.84
2	1.63	2.42	3.32	6.42	11.81	3.73	3.79	2.54	3.38	2.66	1.95	1.82
3	1.59	2.90	6.53	6.19	7.02	3.63	3.76	2.83	3.13	2.44	1.97	1.80
4	1.53	3.22	10.65	4.97	4.74	3.97	3.47	2.97	2.93	2.36	2.00	1.77
5	1.48	3.12	8.60	4.33	8.88	9.16	3.35	2.64	2.81	2.33	2.01	1.73
6	1.47	2.76	5.23	4.01	14.18	10.41	3.42	2.53	2.95	2.30	2.02	1.67
7	1.58	2.63	4.19	3.84	13.35	6.12	3.61	2.47	3.33	2.33	2.01	1.63
8	1.75	2.47	3.51	3.75	8.27	4.61	3.60	2.43	3.91	2.25	2.00	1.60
9	1.89	2.31	3.18	3.67	8.06	4.01	3.50	2.40	3.20	2.19	1.99	1.58
10	2.01	2.17	3.17	3.58	13.80	3.66	3.32	2.38	2.86	2.16	2.03	1.56
11	1.83	2.11	7.60	3.43	13.65	3.44	3.15	2.77	2.68	2.14	2.10	1.55
12	1.93	2.04	11.76	3.29	9.27	3.30	3.03	3.28	2.60	2.12	2.09	1.54
13	2.05	2.01	11.00	3.17	5.83	3.23	2.98	3.03	2.54	2.11	2.09	1.52
14	1.98	1.97	5.73	3.11	5.03	3.19	2.95	2.75	2.51	2.10	2.07	1.50
15	1.94	1.94	13.96	3.05	4.57	3.15	2.87	5.00	2.48	2.11	2.07	1.47
16	1.95	1.93	14.37	3.00	4.24	3.12	2.80	6.21	---	2.15	2.07	1.44
17	1.92	2.20	12.07	2.97	3.98	3.10	2.76	4.02	---	2.19	2.10	1.42
18	1.89	3.44	6.33	2.94	3.78	3.07	2.72	3.68	---	2.26	2.08	1.41
19	1.89	3.93	4.95	2.96	3.64	3.03	2.69	9.13	---	2.34	2.07	1.47
20	1.90	4.72	4.36	3.16	3.52	3.59	2.66	12.15	---	2.19	2.05	1.55
21	1.89	5.74	3.98	3.30	8.14	4.28	2.69	14.15	---	2.13	2.03	1.65
22	1.88	3.56	3.74	3.36	13.73	3.86	2.67	14.38	---	2.12	2.02	1.62
23	1.87	3.40	3.69	3.31	13.75	4.81	2.81	13.46	---	2.10	2.03	1.59
24	1.85	4.34	4.29	3.21	10.46	9.63	2.81	7.60	2.38	2.09	2.02	1.56
25	1.84	3.52	4.92	3.45	6.10	7.96	2.72	4.53	2.46	2.06	2.00	1.54
26	1.81	3.26	11.89	3.51	4.98	6.73	2.67	3.85	2.38	2.04	1.99	1.52
27	1.76	5.68	14.06	3.55	4.39	10.07	2.61	3.49	3.51	2.02	1.97	1.49
28	1.72	9.31	13.99	3.41	4.07	7.04	2.58	3.25	5.68	2.02	1.94	1.47
29	2.30	7.44	12.51	3.32	---	4.72	2.56	3.11	4.24	2.00	1.90	1.45
30	2.37	4.23	6.90	3.23	---	4.12	2.55	3.26	3.14	1.99	1.86	1.42
31	2.42	---	5.11	3.59	---	4.13	---	3.72	---	1.98	1.84	---
MAX	2.42	9.31	14.37	6.42	14.18	10.41	4.13	14.38	5.68	2.82	2.10	1.84
MIN	1.47	1.93	3.17	2.94	3.52	3.03	2.55	2.38	---	1.98	1.84	1.41

SABINE RIVER BASIN

08023000 BAYOU CASTOR NEAR LOGANSPOUT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in SW1/4NW1/4 (revised) sec. 1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi east of Logansport, and 2.5 mi upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to September 1971. October 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 171.20 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 2, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years (water years 1956-71), 69.3 ft³/s, 9.75 in/yr, 50,210 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,030 ft³/s Apr. 6, 1956, gage height, 23.33 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.56 ft Dec. 16; minimum, 1.09 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.73	1.67	2.61	3.50	5.55	2.64	2.75	2.03	2.54	2.07	2.02	1.59
2	1.69	1.71	2.35	4.09	7.16	2.54	2.58	2.03	2.43	2.08	2.02	1.57
3	1.66	2.43	3.65	4.25	6.45	2.48	2.47	2.16	2.36	1.93	2.07	1.55
4	1.62	2.02	6.15	3.42	3.19	2.43	2.43	2.28	2.27	1.81	2.07	1.53
5	1.59	2.22	6.75	2.95	3.14	4.60	2.32	2.17	2.20	1.76	2.03	1.50
6	1.55	2.03	3.72	2.73	9.84	6.75	2.30	2.05	3.12	1.76	2.01	1.48
7	1.61	1.79	3.02	2.62	13.80	4.86	2.49	2.00	2.41	1.70	1.98	1.46
8	1.74	1.67	2.55	2.56	8.23	3.15	2.46	1.95	2.68	1.72	2.01	1.45
9	1.96	1.61	2.31	2.51	4.11	2.74	2.42	1.91	2.39	1.65	2.00	1.43
10	2.21	1.53	2.17	2.48	9.17	2.54	2.34	1.88	2.24	1.61	2.01	1.43
11	2.09	1.50	3.76	2.41	13.16	2.39	2.25	2.07	2.16	1.59	1.96	1.42
12	2.12	1.45	6.66	2.35	9.55	2.32	2.16	2.42	2.12	1.57	1.94	1.42
13	2.26	1.42	7.91	2.28	4.76	2.27	2.13	2.32	2.09	1.55	2.06	1.45
14	2.17	1.39	4.93	2.25	4.10	2.25	2.11	2.23	1.87	1.55	2.06	1.43
15	2.11	1.38	9.23	2.20	3.66	2.23	2.06	2.58	1.84	1.54	2.08	1.41
16	2.07	1.39	17.53	2.16	3.26	2.22	2.01	4.70	1.88	1.59	2.04	1.39
17	2.03	1.59	12.25	2.14	2.91	2.21	1.97	3.02	1.85	1.60	2.01	1.37
18	2.01	1.87	5.80	2.13	2.66	2.20	1.94	2.45	1.86	1.70	1.97	1.36
19	2.02	2.63	3.42	2.12	2.53	2.17	1.91	5.43	1.87	2.05	1.99	1.39
20	2.03	2.38	3.00	2.22	2.45	2.33	1.88	8.89	1.85	1.94	1.97	1.47
21	2.03	4.31	2.72	2.32	3.68	2.71	1.88	11.55	1.83	1.82	1.97	1.61
22	2.02	2.75	2.57	2.34	8.16	2.68	1.89	14.81	1.81	1.88	1.94	1.60
23	2.01	2.42	2.47	2.34	13.17	2.45	2.08	13.43	1.84	1.91	1.89	1.22
24	2.00	3.13	2.93	2.29	9.95	5.30	2.02	8.70	1.78	1.97	1.84	1.17
25	1.99	2.63	3.12	2.35	4.51	6.30	1.97	3.68	1.95	2.00	1.81	1.14
26	1.97	2.26	7.02	2.43	3.44	3.71	1.91	3.28	2.23	2.02	1.77	1.14
27	1.24	3.51	10.59	2.38	3.01	5.74	1.87	3.15	3.13	2.03	1.73	1.12
28	1.23	4.66	13.55	2.36	2.77	5.92	2.07	2.86	3.40	2.03	1.70	1.12
29	1.71	5.87	11.54	2.31	---	3.27	2.06	2.54	2.45	2.03	1.67	1.11
30	1.97	3.19	6.44	2.25	---	2.79	2.04	2.33	2.19	2.03	1.65	1.10
31	1.66	---	3.81	2.21	---	2.68	---	2.47	---	2.03	1.60	---
MAX	2.26	5.87	17.53	4.25	13.80	6.75	2.75	14.81	3.40	2.08	2.08	1.61
MIN	1.23	1.38	2.17	2.12	2.45	2.17	1.87	1.88	1.78	1.54	1.60	1.10

08023000 BAYOU CASTOR NEAR LOGANSFORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-69, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: January to August 1983.

SUSPENDED-SEDIMENT DISCHARGE: January to August 1983.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 214 mg/L May 19, 1983; minimum daily mean, 20 mg/L Feb. 16, 18-20, 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 507 tons Feb. 6, 1983; minimum daily, 0.00 tons Aug. 25, 1983.

WATER-QUALITY DATA. WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)
OCT 20...	1250	144	5.8	19.0	100	25	3.4	2.5
JAN 12...	1215	247	6.2	9.5	60	10	10.9	2.3
APR 05...	0815	235	6.6	15.0	50	15	8.1	1.3
JUL 13...	1110	211	6.5	25.5	100	40	2.1	1.0

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 20...	320	520	38	10	3.2	9.5	4.6	20	22
JAN 12...	K90	420	53	12	5.7	24	2.9	26	30
APR 05...	40	2000	51	11	5.7	25	2.0	30	26
JUL 13...	120	1200	54	13	5.2	19	4.8	55	10

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 20...	11	<.1	9.8	110	82	.1	1.4	.16
JAN 12...	34	<.1	18	150	143	.4	.4	.13
APR 05...	32	<.1	14	143	134	.1	.5	.11
JUL 13...	24	.2	18	158	127	.2	1.0	.28

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
OCT 20...	2	1	<1	<10	<1	<1	2	<1	<10	3	<1

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

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

SABINE RIVER BASIN

08023000 BAYOU CASTOR NEAR LOGANSPOUT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	COPPER, TOTAL REC'D- FRACTION (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL REC'D- FRACTION (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, REC'D, FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC'D- FRACTION (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 20...	4	4	2	590	1100	18	2	20	26	.4	<.1
DATE	MERCURY REC'D, FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL REC'D- FRACTION (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL REC'D- FRACTION (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 20...	<.01	7	4	<1	<1	4.4	50	11	7	11	<.01
DATE	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	3	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1
DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 20...	<.01	.2	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	

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

SABINE RIVER BASIN

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08023000 BAYOU CASTOR NEAR LOGANSFORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.1	<1	<1	<10	<.01	<.1	.08	<.01	<.01	<.01
			BED MAT. SIEVE DIAM. % FINER THAN DATE .062 MM	BED MAT. SIEVE DIAM. % FINER THAN DATE .125 MM	BED MAT. SIEVE DIAM. % FINER THAN DATE .250 MM	BED MAT. SIEVE DIAM. % FINER THAN DATE .500 MM	BED MAT. SIEVE DIAM. % FINER THAN DATE 1.00 MM			
MAY 02...				2	11	62	100	100		

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JANUARY			FEBRUARY			MARCH	
1	---	---	---	271	208	146	25	32	2.2
2	---	---	---	486	125	164	23	33	2.0
3	---	---	---	262	97	69	21	30	1.7
4	---	---	---	43	94	11	27	35	2.6
5	---	---	---	253	153	135	191	113	71
6	---	---	---	1220	154	507	392	127	134
7	---	---	---	1490	80	322	145	83	32
8	---	---	---	480	70	91	41	64	7.1
9	---	---	---	261	120	85	28	61	4.6
10	---	---	---	947	124	317	22	60	3.6
11	---	---	---	1440	75	292	18	60	2.9
12	---	---	---	684	70	129	16	60	2.6
13	---	---	---	144	66	26	15	57	2.3
14	---	---	---	95	52	13	15	55	2.2
15	---	---	---	66	34	6.1	15	56	2.3
16	---	---	---	46	20	2.5	14	56	2.1
17	---	---	---	33	22	2.0	14	55	2.1
18	---	---	---	25	20	1.4	14	50	1.9
19	---	---	---	22	20	1.2	13	50	1.8
20	15	---	---	19	20	1.0	18	50	2.4
21	17	127	5.8	184	74	57	28	68	5.1
22	17	112	5.1	841	83	188	26	78	5.5
23	17	96	4.4	1090	34	100	53	76	11
24	16	93	4.0	756	30	61	249	131	93
25	18	115	5.6	128	30	10	260	112	82
26	19	198	10	81	30	6.6	68	87	16
27	18	122	5.9	37	30	3.0	295	124	99
28	18	75	3.6	29	30	2.3	216	93	54
29	16	67	2.9	---	---	---	46	57	7.1
30	15	65	2.6	---	---	---	29	57	4.5
31	21	77	5.1	---	---	---	27	55	4.0

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

SABINE RIVER BASIN

08023000 BAYOU CASTOR NEAR LOGANSPOUT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 to SEPTEMBER 1983

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	28	50	3.8	6.0	81	1.3	34	87	8.0
2	23	50	3.1	9.0	80	1.9	30	90	7.3
3	21	57	3.2	12	94	3.0	27	91	6.6
4	19	60	3.1	14	107	4.0	24	92	6.0
5	17	62	2.8	12	96	3.1	23	95	5.9
6	19	78	4.0	10	88	2.4	32	198	24
7	21	86	4.9	9.3	86	2.2	23	108	6.7
8	20	85	4.6	8.4	86	2.0	28	106	8.0
9	19	86	4.4	7.9	85	1.8	20	107	5.8
10	17	86	3.9	7.5	85	1.7	15	109	4.4
11	15	85	3.4	13	110	3.9	13	107	3.8
12	13	85	3.0	18	145	7.0	12	106	3.4
13	13	85	3.0	15	133	5.4	8.5	100	2.3
14	12	85	2.8	13	117	4.1	4.9	100	1.3
15	11	70	2.1	70	211	47	5.2	104	1.5
16	10	70	1.9	117	163	51	5.2	110	1.5
17	9.7	70	1.8	34	105	9.6	4.7	111	1.4
18	9.1	70	1.7	19	95	4.9	4.8	111	1.4
19	8.4	70	1.6	224	214	137	4.9	110	1.5
20	8.1	70	1.5	705	168	306	4.7	113	1.4
21	8.1	72	1.6	1390	88	330	4.5	111	1.3
22	8.4	75	1.7	1900	53	272	4.2	111	1.3
23	11	92	2.7	1470	50	198	4.6	110	1.4
24	10	85	2.3	522	53	75	3.9	110	1.2
25	9.0	80	1.9	80	58	13	5.9	112	1.8
26	8.0	75	1.6	62	63	11	25	184	25
27	7.5	82	1.7	55	71	11	48	148	19
28	6.7	86	1.6	43	80	9.3	39	130	14
29	6.3	80	1.4	33	83	7.4	14	130	4.9
30	6.0	80	1.3	27	86	6.3	9.5	110	2.8
31	---	---	---	33	87	7.8	---	---	---
JULY			AUGUST						
1	7.6	106	2.2	.50	141	.19			
2	7.5	115	2.3	.44	112	.13			
3	5.6	110	1.7	.56	109	.16			
4	4.2	110	1.2	.60	125	.20			
5	3.9	110	1.2	.58	130	.20			
6	3.7	110	1.1	.49	130	.17			
7	3.2	110	.95	.43	130	.15			
8	3.1	115	.96	.40	130	.14			
9	2.5	116	.78	.37	135	.13			
10	2.2	116	.69	.34	126	.12			
11	2.0	115	.62	.31	110	.09			
12	1.9	115	.59	.26	112	.08			
13	1.7	120	.55	.49	107	.14			
14	1.6	125	.54	.65	118	.21			
15	1.6	127	.55	.55	129	.19			
16	1.7	126	.58	.43	120	.14			
17	1.7	126	.58	.34	115	.11			
18	2.2	125	.74	.26	111	.08			
19	4.6	145	1.8	.29	110	.09			
20	3.6	133	1.3	.29	113	.09			
21	2.5	120	.81	.24	117	.08			
22	2.0	120	.65	.17	120	.06			
23	1.8	121	.59	.08	120	.03			
24	1.6	120	.52	.03	126	.01			
25	1.4	121	.46	.01	140	.00			
26	1.2	120	.39	---	---	---			
27	1.0	120	.32	---	---	---			
28	.85	120	.28	---	---	---			
29	.75	120	.24	---	---	---			
30	.65	121	.21	---	---	---			
31	.55	125	.19	---	---	---			

08023020 BAYOU CASTOR SOUTHEAST OF LOGANSFORT, LA

LOCATION.--Lat 31°56'54", long 93°58'30", in SE 1/4 SE 1/4 sec. 11, T.11 N., R.16 W., DeSoto Parish, Hydrologic Unit 12010004, at mouth of Bayou Castor and Bayou Grand Cane, 2.0 mi southeast of Logansport.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1982 to September 1983.

WATER-QUALITY DATA, OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 20...	1445	539	8.4	23.5	10	2.0	12.2	5.8	K8	K45	79
MAY 02...	1430	308	7.0	24.5	15	6.0	12.1	4.9	K12	270	73

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)
OCT 20...	22	6.0	75	4.6	65	36	110	.3	5.5	307	298
MAY 02...	20	5.6	35	3.2	35	31	50	.2	9.3	182	175

DATE	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)
OCT 20...	<.1	.05	.8	.03	<1	<1	<1	<1	3	<1	2
MAY 02...	<.1	<.01	.3	.06	1	<1	1	4	3	1	2

DATE	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY RECOVERED FROM BOTTOM MATERIAL (UG/G AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Zn)
OCT 20...	2	15	2100	2	<10	12	40	--	<.01	<4	10
MAY 02...	1	240	4500	3	10	<10	160	<.1	.05	10	25

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	6.1	<.01	2	<.1	<1	<.1	<1	<.01	<.1	<.1	<1
MAY 02...	--	.08	<1	<.1	<1	<.1	<1	<.01	<.1	<.1	<1

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

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

08023020 BAYOU CASTOR SOUTHEAST OF LOGANSPOUT, LA--Continued

WATER-QUALITY DATA, OCTOBER 1982 TO SEPTEMBER 1983

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDU- SULFAN, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
MAY 02...	<.01	.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ENDU- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
MAY 02...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
MAY 02...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.1	<.1	<1	<1	<10	<.01	<.1	.15	<.01	.03	<.01
MAY 02...	<.1	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

DATE	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAY 02...	89	92	99	100	100

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

205

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW1/4SE1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--27.5 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft³/s Apr. 12, 1980, gage height, 14.18 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 15	2400	*4070	*12.98	Feb. 22	1630	2120	11.63
Dec. 28	0930	2240	11.73	Mar. 6	0400	977	10.74
Feb. 6	1600	2120	11.63	May 22	1500	2390	11.85
Feb. 10	1830	2220	11.72				

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.4	3.1	98	415	33	27	4.7	16	3.1	.03	.44
2	.00	2.1	2.3	223	691	27	21	4.6	17	2.6	.01	.35
3	.00	3.1	51	237	443	23	15	5.2	12	2.4	.04	.10
4	.00	3.6	195	127	122	40	12	10	10	2.0	.09	.02
5	.00	3.7	170	79	252	370	11	10	8.7	2.1	.04	.00
6	.00	2.3	26	58	1390	809	12	6.4	48	2.1	.04	.00
7	.00	1.7	5.0	48	856	419	22	5.0	25	1.7	.02	.00
8	.00	1.2	2.9	43	343	93	24	4.3	17	1.4	.00	.00
9	.00	.90	2.0	42	302	41	20	3.9	11	1.2	.00	.00
10	.00	.76	1.8	39	1670	25	15	3.8	8.2	1.1	.00	.00
11	.00	.35	86	35	1070	18	11	7.5	6.8	.94	.00	.00
12	.00	.14	355	29	435	14	9.4	25	6.3	.83	.00	.00
13	.42	.00	389	24	144	13	8.5	26	5.7	.76	.00	.00
14	1.4	.00	142	21	85	12	8.5	13	5.5	.76	.32	.00
15	2.0	.00	1550	20	61	11	7.8	86	5.8	.83	.51	.00
16	1.3	.00	2300	18	47	11	6.9	315	29	.94	2.1	.00
17	.83	.40	676	17	38	10	6.3	293	8.4	.90	2.9	.00
18	.44	1.4	215	16	32	9.9	5.6	60	6.7	.80	1.4	.00
19	.26	3.9	36	16	26	10	5.4	26	5.8	2.3	.90	.00
20	.14	3.4	13	20	23	14	5.3	785	5.1	3.1	.54	.00
21	.07	2.7	6.9	26	257	28	5.2	2200	4.8	2.2	.35	.09
22	.05	3.5	5.0	30	1580	29	5.7	2240	5.4	1.5	.24	.03
23	.00	8.6	4.2	28	1150	63	10	946	35	1.2	.14	.01
24	.00	7.1	5.4	26	565	314	14	377	13	.80	.14	.00
25	.00	7.9	22	30	194	365	13	81	17	.57	.07	.00
26	.00	4.7	562	46	88	199	7.6	39	102	.44	.04	.00
27	.00	24	1700	47	54	331	6.1	22	387	.32	.00	.00
28	.00	80	1900	36	39	322	5.4	17	62	.24	.00	.00
29	.84	84	803	31	---	85	5.1	14	7.5	.19	.00	.00
30	1.3	9.4	320	28	---	38	4.7	14	3.9	.12	.00	.00
31	2.5	---	115	41	---	29	---	15	---	.05	.01	---
TOTAL	11.55	263.25	11664.6	1579	12372	3805.9	330.5	7659.4	895.6	39.49	9.93	1.04
MEAN	.37	8.78	376	50.9	442	123	11.0	247	29.9	1.27	.32	.035
MAX	2.5	84	2300	237	1670	809	27	2240	387	3.1	2.9	.44
MIN	.00	.00	1.8	16	23	9.9	4.7	3.8	3.9	.05	.00	.00
CFSM	.005	.12	5.19	.70	6.10	1.70	.15	3.41	.41	.02	.004	.000
IN.	.01	.14	5.99	.81	6.35	1.95	.17	3.93	.46	.02	.01	.00
AC-FT	23	522	23140	3130	24540	7550	656	15190	1780	78	20	2.1

CAL YR 1982	TOTAL	20665.65	MEAN	56.6	MAX	2300	MIN	.00	CFSM	.78	IN	10.60	AC-FT	40990
WTR YR 1983	TOTAL	38632.26	MEAN	106	MAX	2300	MIN	.00	CFSM	1.46	IN	19.82	AC-FT	76630

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.49	3.99	4.17	5.46	8.84	4.34	4.42	3.47	3.85	3.47	2.73	3.07
2	2.48	3.93	4.02	7.34	10.08	4.23	4.26	3.46	3.86	3.37	2.72	3.04
3	2.46	4.12	5.32	7.53	8.98	4.14	4.08	3.52	3.67	3.32	2.76	2.94
4	2.45	4.22	7.28	5.95	5.82	4.46	3.97	3.82	3.58	3.25	2.79	2.88
5	2.44	4.24	7.04	5.11	7.08	8.56	3.92	3.89	3.49	3.26	2.77	2.85
6	2.45	3.99	5.12	4.71	10.94	10.35	3.98	3.63	4.45	3.26	2.78	2.83
7	2.51	3.86	4.38	4.53	10.35	8.79	4.28	3.50	4.04	3.18	2.76	2.81
8	2.55	3.75	4.06	4.42	8.28	5.62	4.34	3.42	3.88	3.10	2.75	2.78
9	2.66	3.68	3.88	4.38	7.58	4.75	4.24	3.37	3.64	3.05	2.73	2.75
10	2.70	3.64	3.84	4.33	11.25	4.38	4.08	3.34	3.47	3.02	2.70	2.73
11	2.69	3.52	5.79	4.25	10.64	4.18	3.93	3.67	3.37	2.98	2.70	2.72
12	2.78	3.44	8.59	4.14	8.95	4.06	3.83	4.38	3.32	2.95	2.69	2.73
13	3.21	3.35	8.81	4.04	6.28	4.00	3.78	4.72	3.28	2.93	2.68	2.74
14	3.68	3.31	6.66	3.97	5.34	3.97	3.78	3.99	3.26	2.93	2.84	2.73
15	3.84	3.28	10.79	3.93	4.92	3.94	3.73	5.22	3.28	2.95	3.03	2.72
16	3.67	3.29	11.72	3.90	4.66	3.91	3.67	8.32	4.10	2.98	3.34	2.70
17	3.54	3.55	9.99	3.87	4.46	3.89	3.62	8.06	3.48	2.97	3.63	2.69
18	3.43	3.85	7.34	3.84	4.32	3.86	3.56	5.04	3.35	2.94	3.31	2.68
19	3.38	4.29	5.38	3.84	4.21	3.88	3.54	4.39	3.29	3.29	3.17	2.73
20	3.33	4.23	4.80	3.94	4.14	4.03	3.53	9.55	3.22	3.48	3.07	2.83
21	3.30	4.10	4.48	4.07	7.13	4.44	3.52	11.70	3.19	3.29	3.01	2.91
22	3.29	4.18	4.31	4.16	11.12	4.48	3.56	11.73	3.23	3.15	2.98	2.87
23	3.26	4.61	4.22	4.12	10.80	5.00	3.90	10.56	4.23	3.07	2.95	2.84
24	3.23	4.61	4.32	4.07	9.63	8.28	4.04	8.45	3.70	2.97	2.95	2.83
25	3.20	4.62	5.02	4.15	6.98	8.65	4.00	5.14	3.84	2.91	2.92	2.81
26	3.17	4.42	9.29	4.45	5.39	7.12	3.72	4.32	5.28	2.88	2.90	2.80
27	3.15	4.92	11.31	4.48	4.79	8.43	3.60	4.00	8.73	2.84	2.85	2.80
28	3.13	6.01	11.47	4.27	4.50	8.28	3.54	3.86	5.29	2.82	2.83	2.79
29	3.57	6.04	10.26	4.19	---	5.50	3.51	3.77	3.98	2.80	2.80	2.78
30	3.73	4.66	8.09	4.11	---	4.67	3.47	3.73	3.63	2.78	2.79	2.77
31	3.98	---	5.72	4.36	---	4.48	---	3.79	---	2.75	2.87	---
MAX	3.98	6.04	11.72	7.53	11.25	10.35	4.42	11.73	8.73	3.48	3.63	3.07
MIN	2.44	3.28	3.84	3.84	4.14	3.86	3.47	3.34	3.19	2.75	2.68	2.68

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to current year.

SUSPENDED-SEDIMENT DISCHARGE: February 1981 to current year

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 372 mg/L Aug. 3, 1982; minimum daily mean, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 583 tons Apr. 18, 1982; minimum daily, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 264 mg/L Dec. 11; minimum daily mean, no flow on many days during Oct., Nov., Aug., Sept.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 482 tons Dec. 28; minimum daily, no flow on many days during Oct., Nov., Aug., Sept.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, TUCOCCI, FECA, KF AGAR (COLS. PER 100 ML)
OCT 20...	1330	129	5.8	18.0	100	20	4.3	1.3	K22	600
JAN 12...	1230	257	6.5	9.0	50	10	11.0	2.8	K110	320
APR 05...	0750	260	6.6	15.5	50	15	7.7	1.1	K28	1100
JUL 13...	1100	239	6.5	25.5	60	25	1.3	1.5	22	1400

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	SODIUM DISSOLVED (MG/L AS Na)	POTASSIUM DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE DISSOLVED (MG/L AS Cl)
OCT 20...	30	7.2	2.8	11	5.9	17	24	9.6
JAN 12...	56	12	6.2	25	3.0	19	43	33
APR 05...	56	12	6.3	28	2.2	25	37	35
JUL 13...	55	13	5.4	23	4.3	50	16	31

DATE	FLUORIDE DISSOLVED (MG/L AS F)	SILICA DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 20...	<.1	9.5	96	80	.2	.9	.18
JAN 12...	<.1	15	171	148	.3	.4	.11
APR 05...	<.1	12	156	148	.2	.4	.11
JUL 13...	.2	16	174	139	.2	1.0	.17

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

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

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 20...	2	1	<1	<10	<1	1	1	<1	<10	2	<1
DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 20...	5	2	2	470	1700	13	<1	<10	260	<.1	<.1
DATE	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 20...	<.01	7	1	<1	<1	5.5	80	6	4	6.5	<.01
DATE	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<1	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1
DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

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

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.1	<1	<1	<10	<.01	<.1	.04	<.01	.02	<.01

DATE	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAY 02...	47	70	99	100	100

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

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	.00	119	.77	148	1.2	141	41	196	210	18	1.6
2	---	.00	125	.71	161	1.0	143	86	130	243	18	1.3
3	---	.00	132	1.1	231	23	107	68	97	116	18	1.1
4	---	.00	143	1.4	117	62	95	33	70	23	61	11
5	---	.00	135	1.3	117	54	52	11	161	141	134	126
6	---	.00	97	.60	126	8.8	88	14	121	454	57	125
7	---	.00	94	.43	149	2.0	101	13	66	153	37	42
8	---	.00	143	.46	159	1.2	106	12	60	56	35	8.8
9	---	.00	154	.37	188	1.0	117	13	148	142	28	3.1
10	---	.00	166	.34	214	1.0	106	11	94	424	27	1.8
11	---	.00	170	.16	264	50	100	9.5	58	168	30	1.5
12	---	.00	171	.06	143	137	98	7.7	55	65	28	1.1
13	170	.19	---	.00	98	103	95	6.2	52	20	28	.98
14	177	.67	---	.00	118	53	92	5.2	52	12	32	1.0
15	143	.77	---	.00	137	439	84	4.5	43	7.1	33	.98
16	111	.39	---	.00	71	441	84	4.1	27	3.4	32	.95
17	122	.27	168	.18	72	131	83	3.8	26	2.7	33	.89
18	117	.14	133	.50	100	58	85	3.7	22	1.9	32	.86
19	99	.07	166	1.7	130	13	100	4.3	17	1.2	33	.89
20	80	.03	128	1.2	130	4.6	115	6.2	22	1.4	35	1.3
21	83	.02	110	.80	129	2.4	134	9.4	100	83	37	2.8
22	92	.01	128	1.4	127	1.7	133	11	66	282	40	3.1
23	---	.00	189	4.8	127	1.4	100	7.6	43	134	100	27
24	---	.00	159	3.3	150	2.3	123	8.6	42	64	110	93
25	---	.00	132	3.1	263	16	132	11	36	19	65	64
26	---	.00	165	2.1	170	229	181	22	27	6.4	99	54
27	---	.00	197	12	102	468	165	21	22	3.2	78	70
28	---	.00	132	29	94	482	145	14	21	2.2	60	52
29	174	.39	139	32	92	199	138	12	---	---	44	10
30	103	.36	150	3.8	88	76	130	9.8	---	---	37	3.8
31	123	.83	---	---	88	27	120	16	---	---	38	3.0
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	42	3.1	70	.89	49	2.1	82	.69	101	.00	82	.10
2	42	2.4	61	.76	52	2.4	83	.58	115	.00	65	.06
3	40	1.6	60	.84	47	1.5	85	.55	127	.01	56	.02
4	30	.97	98	2.5	48	1.3	84	.45	119	.03	67	.00
5	32	.95	92	2.5	42	.99	102	.58	122	.01	---	.00
6	35	1.1	47	.81	119	21	94	.53	114	.01	---	.00
7	50	3.0	60	.81	62	4.2	95	.44	118	.00	---	.00
8	39	2.5	69	.80	48	2.2	98	.37	---	.00	---	.00
9	42	2.3	60	.63	52	1.5	95	.31	---	.00	---	.00
10	45	1.8	63	.65	50	1.1	98	.29	---	.00	---	.00
11	48	1.4	96	2.0	46	.84	97	.25	---	.00	---	.00
12	45	1.1	157	11	45	.77	105	.24	---	.00	---	.00
13	42	.96	98	6.9	54	.83	108	.22	---	.00	---	.00
14	42	.96	66	2.3	55	.82	108	.22	160	.21	---	.00
15	48	1.0	183	56	60	.94	103	.23	263	.36	---	.00
16	53	.99	176	150	128	11	96	.24	189	1.2	---	.00
17	58	.99	93	74	66	1.5	95	.23	87	.68	---	.00
18	54	.82	68	11	60	1.1	102	.22	56	.21	---	.00
19	63	.92	65	3.2	58	.91	112	.70	52	.13	---	.00
20	66	.94	210	354	53	.73	108	.90	48	.07	---	.00
21	72	1.0	52	309	52	.67	102	.61	52	.05	103	.03
22	92	1.4	39	236	55	.80	102	.41	63	.04	119	.00
23	104	2.8	31	79	150	17	98	.32	64	.02	113	.00
24	82	3.1	36	37	88	3.1	97	.21	64	.02	---	.00
25	70	2.5	46	10	111	5.1	101	.16	60	.01	---	.00
26	60	1.2	49	5.2	168	63	94	.11	63	.00	---	.00
27	63	1.0	50	3.0	127	133	88	.08	---	.00	---	.00
28	69	1.0	48	2.2	92	15	97	.06	---	.00	---	.00
29	64	.88	30	1.1	81	1.6	95	.05	---	.00	---	.00
30	68	.86	30	1.1	75	.79	103	.03	---	.00	---	.00
31	---	---	40	1.6	---	---	107	.01	70	.00	---	---

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 77.6 ft³/s, 13.14 in/yr 56,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft³/s Sept. 20, 1958, gage height, 20.36 ft from rating curve extended above 8,400 ft³/s on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 550 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 16	0300	3290	16.60	Feb. 22	1730	1880	16.12
Dec. 28	0400	5620	17.22	Mar. 5	2200	897	15.55
Jan. 2	1700	695	15.28	Mar. 24	1500	777	15.43
Feb. 1	2300	727	15.35	Mar. 27	1600	559	14.80
Feb. 6	1100	2950	16.50	May 20	2130	*11300	*18.48
Feb. 10	1030	7890	17.75				

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	6.7	60	224	584	54	58	7.8	24	15	.55	.00
2	.00	4.4	77	654	708	47	50	7.2	26	8.3	.37	.00
3	.00	5.1	144	569	488	41	48	9.8	16	5.9	.62	.00
4	.00	20	406	256	126	90	36	15	12	4.9	.68	.00
5	.00	15	229	113	434	673	32	13	9.0	3.8	.65	.00
6	.00	6.3	61	83	2040	825	38	8.2	123	2.9	.68	.00
7	.00	3.2	34	69	940	489	60	5.6	341	2.4	.72	.00
8	.00	1.8	22	62	464	146	80	4.4	96	2.1	12	.00
9	.00	1.3	16	58	334	76	38	3.7	30	1.9	34	.00
10	.00	.94	14	53	4000	55	31	3.5	17	1.7	6.0	.00
11	.00	.72	131	44	1110	44	24	9.5	11	1.5	2.1	.00
12	.11	.49	466	36	567	36	19	70	8.6	1.3	1.2	.00
13	15	.26	398	29	236	32	16	70	7.0	1.3	.82	.00
14	18	.15	107	26	119	30	15	23	5.8	1.3	.58	.00
15	6.3	.08	998	24	89	28	15	42	32	1.2	.72	.00
16	2.4	.06	1990	22	72	26	12	310	220	1.3	.65	.00
17	1.2	.94	713	20	60	27	10	214	30	1.6	.49	.00
18	.68	3.1	323	19	50	32	8.9	67	12	1.8	.43	.00
19	.37	20	105	18	44	29	7.8	663	19	2.4	.43	.00
20	.40	13	67	21	39	78	7.0	6100	13	3.4	.26	.00
21	.22	7.4	50	36	329	150	6.7	4630	7.2	2.6	.17	.00
22	.11	5.4	42	43	1340	71	7.8	2350	5.6	1.8	.11	.00
23	.08	76	37	32	1190	171	80	940	18	2.3	.11	.00
24	.06	156	33	28	660	717	90	518	15	2.4	.06	.00
25	.00	128	36	60	296	619	39	160	10	1.7	.04	.00
26	.00	30	496	114	112	396	21	62	72	1.3	.02	.00
27	.00	68	2730	64	78	542	14	41	156	1.1	.01	.00
28	.00	240	3440	48	63	376	11	29	53	.98	.01	.00
29	2.8	132	951	43	---	105	9.5	22	19	.86	.00	.00
30	16	40	468	40	---	70	8.4	17	18	.75	.00	.00
31	21	---	162	51	---	65	---	17	---	.65	.00	---
TOTAL	84.73	986.34	14806	2959	16572	6140	893.1	16432.7	1426.2	82.44	64.48	.00
MEAN	2.73	32.9	478	95.5	592	198	29.8	530	47.5	2.66	2.08	.000
MAX	21	240	3440	654	4000	825	90	6100	341	15	34	.00
MIN	.00	.06	14	18	39	26	6.7	3.5	5.6	.65	.00	.00
CFSM	.03	.41	5.96	1.19	7.38	2.47	.37	6.61	.59	.03	.03	.000
IN	.04	.46	6.87	1.37	7.69	2.85	.41	7.62	.66	.04	.03	.00
AC-FT	168	1960	29370	5870	32870	12180	1770	32590	2830	164	128	.00
CAL YR 1982 TOTAL	30069.46			MEAN 82.4	MAX 3440	MIN .00	CFSM 1.03	IN 13.95	AC-FT 59640			
WTR YR 1983 TOTAL	60446.99			MEAN 166	MAX 6100	MIN .00	CFSM 2.07	IN 28.04	AC-FT 119900			

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.43	6.92	9.14	11.80	14.76	8.94	9.08	7.00	7.90	7.51	6.17	5.80
2	5.42	6.72	9.62	15.18	15.31	8.71	8.81	6.96	7.99	7.12	6.11	5.75
3	5.42	6.78	10.70	14.85	14.32	8.53	8.74	7.14	7.55	6.93	6.19	5.70
4	5.42	7.57	13.91	12.44	10.70	9.49	8.33	7.46	7.31	6.84	6.21	5.66
5	5.42	7.47	12.04	10.46	12.49	15.23	8.21	7.36	7.13	6.73	6.20	5.64
6	5.42	6.89	9.16	9.79	16.18	15.48	8.41	7.03	9.86	6.63	6.21	5.63
7	5.42	6.59	8.25	9.39	15.59	14.45	---	6.83	13.39	6.57	6.22	5.62
8	5.42	6.40	7.79	9.18	14.30	11.02	---	6.71	9.95	6.52	7.19	5.61
9	5.42	6.29	7.51	9.06	12.81	9.60	8.43	6.64	8.19	6.49	8.28	5.60
10	5.43	6.20	7.42	8.90	16.78	8.99	8.16	6.62	7.63	6.45	6.95	5.59
11	5.42	6.14	10.32	8.61	15.73	8.61	7.87	7.12	7.31	6.42	6.55	5.59
12	5.92	6.07	14.31	8.33	14.84	8.34	7.65	9.35	7.14	6.38	6.37	5.59
13	7.31	5.99	13.86	8.09	12.30	8.21	7.52	9.38	7.02	6.37	6.28	5.58
14	7.59	5.94	10.27	7.96	10.57	8.13	7.45	7.83	6.92	6.36	6.22	5.58
15	6.89	5.90	15.05	7.88	9.94	8.04	7.43	8.34	7.80	6.35	6.26	5.57
16	6.48	5.89	16.16	7.78	9.48	7.95	7.30	13.04	11.92	6.37	6.25	5.57
17	6.26	6.20	15.32	7.70	9.12	7.99	7.16	11.92	8.19	6.43	6.21	5.57
18	6.13	6.57	13.05	7.66	8.80	8.19	7.08	9.05	7.43	6.47	6.20	5.57
19	6.03	7.70	10.32	7.62	8.61	8.09	7.00	14.98	7.72	6.57	6.21	5.58
20	6.04	7.36	9.34	7.75	8.45	---	6.94	17.20	7.44	6.69	6.15	5.58
21	5.97	6.97	8.83	8.34	12.11	---	6.92	16.96	7.04	6.59	6.12	5.58
22	5.92	6.81	8.54	8.60	15.88	9.45	7.00	16.30	6.91	6.47	6.10	5.57
23	5.90	9.55	8.37	8.21	15.79	10.63	---	15.59	7.69	6.55	6.10	5.56
24	5.89	11.18	8.24	8.02	15.20	15.33	---	14.53	7.55	6.56	6.09	5.55
25	5.84	10.60	8.33	9.11	12.98	15.05	8.46	11.14	7.24	6.45	6.06	5.55
26	5.83	8.12	13.93	10.48	10.44	13.84	7.75	9.22	9.27	6.38	6.03	5.55
27	5.82	9.14	16.43	9.26	9.65	14.72	7.40	8.54	11.18	6.33	6.00	5.55
28	5.81	12.36	16.64	8.76	9.23	13.57	7.20	8.11	8.94	6.29	5.93	5.55
29	6.51	10.66	15.60	8.58	---	10.31	7.12	7.81	7.73	6.26	5.86	5.54
30	7.50	8.48	14.24	8.47	---	9.43	7.05	7.61	7.68	6.23	5.82	5.54
31	7.73	---	11.26	8.70	---	9.28	---	7.57	---	6.20	5.83	---
MAX	7.73	12.36	16.64	15.18	16.78	15.48	9.08	17.20	13.39	7.51	8.28	5.80
MIN	5.42	5.89	7.42	7.62	8.45	7.95	6.92	6.62	6.91	6.20	5.82	5.54

SABINE RIVER BASIN

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08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to current year.

SUSPENDED-SEDIMENT DISCHARGE: February 1981 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 852 mg/L May 5, 1981; minimum daily mean, no flow on many days during 1981, 1982, and 1983.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2820 tons June 8, 1981; minimum daily, no flow on many days during 1981, 1982, and 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 20...	1700	149	5.4	18.0	80	25	5.0	1.4	K300	1400
JAN 12...	1400	138	6.4	9.5	60	15	9.6	1.3	<10	390
APR 05...	1040	133	6.3	16.0	50	15	7.9	1.2	K30	280
JUL 13...	1415	157	6.8	25.5	200	70	2.6	2.3	70	2600

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 20...	39	11	2.7	11	5.2	7	37	11
JAN 12...	28	6.4	2.8	13	2.2	14	17	20
APR 05...	27	6.2	2.8	13	1.7	14	15	18
JUL 13...	45	11	4.2	12	3.3	46	8.8	15

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 20...	<.1	9.3	95	91	.1	1.6	.08
JAN 12...	<.1	16	85	85	.2	.4	.07
APR 05...	<.1	13	91	78	.1	.5	.08
JUL 13...	.2	16	131	98	.2	1.1	.25

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

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

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 20...	2	1	<1	<10	1	1	1	<1	10	2	<1
DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 20...	4	1	2	260	4000	3	2	10	430	.2	<.1
DATE	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 20...	<.01	5	5	<1	<1	2.5	130	21	11	7.0	<.01
DATE	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<1	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	.1
DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 20...	<.01	.2	<.01	<.1	.03	<.1	<.01	<.1	<.01	<.1	<.01
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

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

SABINE RIVER BASIN

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08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.1	<1	<1	<10	<.01	<.1	.01	<.01	.02	<.01

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1							---	---	54	85	44	6.4
2							---	---	64	122	---	---
3							---	---	57	75	---	---
4							---	---	44	15	---	---
5							---	---	40	47	---	---
6							---	---	46	253	---	---
7							---	---	41	104	---	---
8							---	---	35	44	---	---
9							---	---	43	39	---	---
10							---	---	46	497	---	---
11							---	---	54	162	---	---
12							---	---	54	83	---	---
13							---	---	42	27	---	---
14							---	---	35	11	---	---
15							---	---	31	7.4	---	---
16							---	---	38	7.4	---	---
17							---	---	40	6.5	---	---
18							---	---	40	5.4	---	---
19							---	---	44	5.2	---	---
20							---	---	43	4.5	---	---
21							---	---	36	32	---	---
22							---	---	46	166	---	---
23							---	---	52	167	---	---
24							---	---	47	84	---	---
25							---	---	44	35	---	---
26							---	---	43	13	---	---
27							---	---	44	9.3	---	---
28							---	---	47	8.0	---	---
29							---	---	---	---	---	---
30							---	---	---	---	---	---
31							39	5.4	---	---	---	---

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

SABINE RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1			34	.72	33	2.1	56	2.3				
2			33	.64	29	2.0	68	1.5				
3			41	1.1	32	1.4	68	1.1				
4			54	2.2	29	.94	59	.78				
5			51	1.8	28	.68	48	.49				
6			50	1.1	---	---	36	.28				
7			36	.54	---	---	35	.23				
8			36	.43	---	---	40	.23				
9			55	.55	---	---	48	.25				
10			42	.40	---	---	64	.29				
11			26	.67	---	---	69	.28				
12			32	6.0	---	---	60	.21				
13			33	6.2	---	---	42	.15				
14			43	2.7	---	---	45	.16				
15			45	5.1	---	---	62	.20				
16			34	28	---	---	67	.24				
17			26	15	---	---	64	.28				
18			32	5.8	---	---	63	.31				
19			33	59	---	---	63	.41				
20			E 34	560	---	---	59	.54				
21			35	438	---	---	63	.44				
22			E 31	197	---	---	53	.26				
23			33	84	---	---	61	.38				
24			37	52	---	---	65	.42				
25			30	13	---	---	57	.26				
26			30	5.0	---	---	63	.22				
27			35	3.9	---	---	62	.18				
28			35	2.7	---	---	57	.15				
29			31	1.8	---	---	69	.16				
30			34	1.6	---	---	75	.15				
31			E 35	1.6	---	---	---	---				

E Estimated.

SABINE RIVER BASIN

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08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56, in SW1/4 sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on state highway 473, 0.2 mi upstream from Hamby Creek, 2.5 mi northeast of Toro, and 7.8 mi west of Hornbeck.

DRAINAGE AREA.--148 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

*AVERAGE DISCHARGE.--28 years, 144 ft³/s, 13.21 in/yr, 104,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft³/s Apr. 9, 1968, gage height, 25.73 ft from rating curve extended above 13,000 ft³/s; minimum 0.1 ft³/s Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft Sept. 30, Oct. 1, 1956.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1445	1990	12.45	Feb. 10	0615	2210	13.06
Dec. 15	2015	1260	10.20	Feb. 22	1700	1800	11.92
Dec. 28	0300	*14100	*22.97	Mar. 24	0345	1990	12.46
Feb. 1	0145	3240	15.56	May 16	0900	1200	9.96
Feb. 6	0500	1380	10.60	May 21	0600	11300	22.28

Minimum discharge, 2.8 ft³/s Oct. 5, 6, minimum gage height, 2.67 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	7.5	1140	567	2890	148	131	45	162	61	11	32
2	3.0	6.9	1030	821	2850	133	112	42	122	50	11	34
3	3.0	8.1	1400	541	1190	122	97	39	90	43	313	21
4	2.9	9.0	1500	322	330	142	90	37	76	39	523	18
5	2.8	11	980	253	588	552	92	35	69	37	221	15
6	2.8	10	247	214	1310	550	119	33	320	37	141	15
7	3.0	7.7	149	188	1030	257	220	32	157	33	68	14
8	3.4	6.6	109	188	396	166	182	43	108	28	91	13
9	3.7	5.9	89	205	627	129	132	56	79	25	647	21
10	6.5	5.6	79	180	2080	108	103	45	64	23	314	41
11	37	5.4	174	148	1890	95	84	64	56	22	150	27
12	32	5.5	470	123	1000	87	73	126	51	20	122	25
13	22	5.3	306	108	339	84	92	94	47	22	90	40
14	31	5.4	160	100	263	82	246	55	45	22	60	34
15	18	5.5	864	94	220	79	202	361	49	26	49	24
16	11	6.5	1060	87	187	76	106	1170	68	27	41	18
17	7.4	30	432	83	162	76	76	1040	75	26	34	15
18	6.0	86	203	79	143	80	64	270	59	24	34	14
19	5.2	79	148	77	131	77	58	1300	84	22	65	19
20	5.0	228	115	129	122	149	53	3290	53	20	60	37
21	4.8	130	95	244	653	291	50	9070	44	20	41	91
22	4.8	58	84	198	1700	171	51	4530	57	27	31	95
23	6.0	34	80	133	1560	509	341	2150	73	32	26	40
24	5.6	34	77	106	777	1820	421	653	68	23	24	26
25	5.0	25	310	164	328	1490	148	265	99	18	24	21
26	4.7	24	2470	282	236	711	87	190	449	16	28	18
27	4.4	424	7540	177	185	723	66	152	414	14	20	16
28	4.3	844	10200	131	163	379	57	126	351	12	18	15
29	5.2	455	3190	352	---	216	52	109	113	13	17	14
30	5.6	189	1040	582	---	165	48	153	74	12	18	13
31	6.2	---	390	706	---	144	---	145	---	11	24	---
TOTAL	265.5	2751.9	36131	7582	23350	9811	3653	25720	3576	805	3316	826
MEAN	8.56	91.7	1166	245	834	316	122	830	119	26.0	107	27.5
MAX	37	844	10200	821	2890	1820	421	9070	449	61	647	95
MIN	2.8	5.3	77	77	122	76	48	32	44	11	11	13
CFSM	.06	.62	7.88	1.66	5.64	2.14	.82	5.61	.80	.18	.72	.19
IN.	.07	.69	9.08	1.91	5.87	2.47	.92	6.46	.90	.20	.83	.21
AC=FT	527	5460	71670	15040	46310	19460	7250	51020	7090	1600	6580	1640

CAL YR 1982	TOTAL	66430.8	MEAN	182	MAX	10200	MIN	2.6	CFSM	1.23	IN	16.70	AC=FT	131800
WTR YR 1983	TOTAL	117787.4	MEAN	323	MAX	10200	MIN	2.8	CFSM	2.18	IN	29.61	AC=FT	233600

SABINE RIVER BASIN
08025500 BAYOU TORO NEAR TORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.71	2.97	9.73	7.32	14.76	4.96	4.82	---	5.06	4.09	3.04	3.55
2	2.69	2.95	9.36	8.51	14.63	4.83	4.65	---	4.74	3.93	3.04	3.03
3	2.69	3.00	10.45	7.19	9.95	4.74	4.51	---	4.44	3.81	5.50	3.36
4	2.68	3.04	10.98	6.06	6.10	4.87	4.43	---	4.27	3.73	7.11	3.27
5	2.68	3.13	9.06	5.64	7.21	7.25	4.45	---	4.19	3.70	5.44	3.20
6	2.68	3.08	5.60	5.41	10.35	7.24	4.71	---	5.85	3.71	4.86	3.20
7	2.69	2.97	4.94	5.25	9.32	5.67	5.44	3.61	5.02	3.62	4.16	3.16
8	2.72	2.91	4.60	5.25	6.46	5.09	5.20	3.81	4.61	3.53	4.44	3.13
9	2.74	2.87	4.39	5.35	7.30	4.80	4.82	4.01	4.31	3.45	7.67	3.34
10	2.92	2.84	4.28	5.19	12.69	4.61	4.57	3.84	4.13	3.40	5.94	3.77
11	3.68	2.83	5.07	4.96	12.16	4.48	4.36	4.09	4.02	3.37	4.96	3.50
12	3.66	2.83	6.84	4.75	9.04	4.41	4.24	4.77	3.94	3.34	4.73	3.45
13	3.46	2.82	5.94	4.61	6.15	4.37	4.41	4.46	3.88	3.38	4.42	3.76
14	3.65	2.81	5.02	4.53	5.70	4.34	5.60	4.00	3.84	3.39	4.07	3.64
15	3.36	2.82	8.46	4.47	5.44	4.31	5.32	5.86	3.90	3.48	3.91	3.43
16	3.12	2.86	9.47	4.40	5.24	4.27	4.59	9.86	4.18	3.51	3.78	3.27
17	2.97	3.50	6.62	4.35	5.07	4.27	4.27	9.35	4.26	3.49	3.64	3.20
18	2.89	4.35	5.32	4.31	4.92	4.32	4.13	5.72	4.07	3.43	3.63	3.16
19	2.85	4.28	4.94	4.29	4.82	4.28	4.04	10.09	4.36	3.39	4.14	3.31
20	2.84	5.47	4.65	4.76	4.75	4.92	3.97	15.20	3.96	3.33	4.07	3.70
21	2.82	4.77	4.45	5.58	7.45	5.88	3.93	21.54	3.82	3.33	3.77	4.42
22	2.82	4.01	4.35	5.30	11.61	5.11	3.95	17.84	3.99	3.49	3.59	4.46
23	2.90	3.62	4.29	4.83	11.17	6.52	6.02	12.84	4.23	3.61	3.48	3.76
24	2.87	3.62	4.26	4.59	8.21	11.96	6.57	7.63	4.17	3.40	3.43	3.49
25	2.84	3.43	5.70	5.04	6.09	10.95	4.94	5.72	4.50	3.28	3.43	3.35
26	2.82	3.41	13.70	5.82	5.54	7.98	4.40	5.26	6.71	3.20	3.52	3.27
27	2.80	6.19	19.61	5.16	5.23	8.08	4.15	4.98	6.50	3.14	3.34	3.22
28	2.79	8.61	21.70	4.81	5.07	6.36	4.03	4.78	6.18	3.08	3.28	3.19
29	2.85	6.71	15.30	6.11	---	5.42	3.96	4.62	4.65	3.13	3.25	3.16
30	2.87	5.17	9.19	7.41	---	5.09	---	4.98	4.25	3.07	3.29	3.13
31	2.91	---	6.42	7.39	---	4.92	---	4.92	---	3.05	3.42	---
MAX	3.68	8.61	21.70	8.51	14.76	11.96	6.57	21.54	6.71	4.09	7.67	4.46
MIN	2.68	2.81	4.26	4.29	4.75	4.27	---	3.61	3.82	3.05	3.04	3.13

SABINE RIVER BASIN

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08025606 BAYOU TORO NEAR TOLEDO BEND, NEAR TORO, LA

LOCATION.--Lat 31°12'12", long 93°32'39", on line between sec. 25 and 36, T.2 N., R.,11 W., Vernon Parish, Hydro-logic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi upstream from mouth and 7.3 mi south of Toro.

DRAINAGE AREA.--205 mi².

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

REVISED RECORDS.--WDR LA-79-1: Drainage area.

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

REMARKS.--No elevations recorded below 91.80 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 113.73 ft May 22, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 113.73 ft May 22; minimum not determined.

ELFVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			95.83	106.58	99.16	94.37	94.24	92.15	98.15	92.38	---	91.90
2			94.78	101.29	97.56	94.15	94.20	92.13	94.04	92.32	---	92.13
3			96.26	99.86	96.52	94.09	94.19	92.12	92.77	92.26	---	91.94
4			96.18	95.43	93.93	94.07	94.22	92.11	92.60	---	93.86	91.90
5			95.09	94.65	93.10	94.32	94.22	92.08	92.52	---	93.14	91.86
6			93.13	94.40	95.82	94.53	94.21	92.06	93.07	---	92.79	91.84
7			92.67	94.29	95.24	94.58	94.24	92.02	93.21	---	92.33	91.84
8			92.48	94.22	93.99	94.25	94.37	92.10	92.73	---	92.44	91.83
9			92.37	94.26	93.17	94.13	94.33	92.06	92.54	---	92.41	91.91
10	91.80		92.30	94.20	97.50	93.99	94.37	92.16	92.42	---	93.84	91.93
11	91.80		92.60	94.11	97.05	93.93	92.74	92.21	92.35	---	92.63	92.00
12	92.09		93.33	94.06	96.69	93.92	---	92.33	92.31	---	92.75	91.95
13	91.93		93.30	94.01	98.12	93.93	---	92.47	92.27	---	92.45	91.93
14	91.86		92.70	93.98	98.03	93.95	---	92.24	92.25	---	92.28	92.05
15	91.93		94.16	92.86	97.96	93.96	92.83	92.14	92.24	---	92.30	91.98
16	91.82		94.96	92.75	97.91	93.96	92.77	94.97	92.37	---	92.11	91.89
17	91.80	91.97	---	92.67	97.87	93.96	---	94.81	92.40	---	---	91.86
18		92.17	---	93.63	97.83	93.95	---	93.48	92.37	---	---	91.84
19		92.35	---	93.80	97.82	93.95	---	94.44	92.35	---	92.27	91.85
20		92.17	---	93.88	97.79	93.98	---	97.45	92.36	---	92.22	91.95
21		92.63	---	93.22	98.04	94.12	92.18	103.07	92.26	---	92.15	92.19
22		92.26	---	93.10	99.82	94.23	92.17	113.72	92.25	---	92.07	92.54
23		92.03	---	92.76	99.98	94.23	92.21	112.72	92.54	---	---	92.19
24		92.23	---	92.60	99.35	98.13	93.48	111.86	92.35	---	---	92.01
25		92.01	---	92.70	98.38	96.87	92.73	111.18	92.33	---	---	91.93
26		91.89	---	93.12	98.08	95.91	92.42	101.47	93.27	---	---	91.89
27		93.28	---	92.91	97.97	95.47	92.30	99.00	92.91	---	---	91.86
28		94.38	---	92.68	97.90	94.98	92.24	101.65	93.63	---	---	91.85
29		93.97	110.36	92.72	---	94.43	92.20	101.63	92.77	---	---	91.83
30	91.80	92.61	108.10	94.10	---	94.30	92.17	101.64	92.48	---	91.85	91.82
31	---	---	106.89	93.26	---	94.26	---	101.68	---	---	91.87	---
MAX	92.09	94.38	110.36	106.58	99.98	98.13	94.37	113.72	98.15	92.38	93.86	92.54
MIN	---	---	---	92.60	93.10	93.92	---	92.02	92.24	---	---	91.82

NOTE.--No elevation record Dec. 17-18, Apr. 12-14, 17-20, July 4 to Aug. 3, Aug. 17, 18, 23-29.

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEFINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocasin Creek, and 4.8 mi northwest of Rosepine.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,0000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Records of dissolved oxygen and water temperatures for water year 1983 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--32 years, 449 ft³/s, 16.71 in/yr, 325,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft³/s May 19, 1953, gage height, 28.38 ft; minimum, 4.0 ft³/s Sept. 28, 29, 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,600 ft³/s Dec. 28, gage height, 27.80 ft from floodmark; minimum, 12 ft³/s Oct. 1, gage height, 2.96 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	20	2850	3580	12300	515	425	131	467	190	31	56
2	14	20	3720	3110	18000	454	368	123	396	166	30	51
3	14	35	5220	2750	9060	417	341	126	317	143	260	51
4	14	42	7510	2070	4300	502	300	142	266	123	928	68
5	15	32	7140	1380	3000	1770	369	124	246	117	1050	46
6	16	24	4980	942	3110	1680	1070	105	760	124	742	45
7	21	22	2970	746	3120	1110	1290	87	1790	112	586	42
8	32	21	1400	768	2750	778	1060	236	1550	92	766	37
9	35	20	864	851	2150	600	748	219	785	80	444	39
10	47	19	639	797	3080	475	561	152	507	69	467	38
11	57	19	820	675	3390	393	438	256	363	57	673	37
12	42	19	1440	443	3150	326	354	349	282	50	449	87
13	37	19	1280	403	2000	289	560	263	228	47	408	75
14	31	18	864	383	1270	265	2200	207	190	82	401	58
15	25	18	950	365	1010	251	2130	915	184	164	416	46
16	22	19	1270	334	856	240	1440	3050	749	140	387	38
17	20	61	1080	307	749	241	633	3420	748	117	293	37
18	19	160	815	291	686	231	456	2600	503	102	240	59
19	18	1030	654	288	650	216	374	1940	495	85	436	105
20	17	1960	527	675	627	352	305	2910	354	78	331	701
21	17	1310	429	1170	1680	491	257	6170	272	75	268	1580
22	16	746	377	916	2830	429	233	14000	261	123	217	1130
23	16	358	388	650	3030	538	247	11200	340	126	176	587
24	14	353	364	523	2260	2030	229	6210	1610	86	148	330
25	13	385	523	569	1080	2320	206	3620	1120	66	140	226
26	13	306	5170	720	807	2170	177	2110	518	55	117	176
27	13	1540	44200	617	657	1530	160	988	387	46	100	144
28	14	2810	49300	503	585	1110	152	681	294	39	86	121
29	16	2820	23200	454	---	811	144	507	233	35	77	104
30	22	2320	10400	601	---	625	135	427	212	33	67	89
31	22	---	4850	1390	---	517	---	408	---	32	61	---
TOTAL	684	16526	186194	29271	88187	23676	17362	63676	16427	2854	10795	6203
MEAN	22.1	551	6006	944	3150	764	579	2054	548	92.1	348	207
MAX	57	2820	49300	3580	18000	2320	2200	14000	1790	190	1050	1580
MIN	12	18	364	288	585	216	135	87	184	32	30	37
CFSM	.06	1.51	16.5	2.59	8.63	2.09	1.59	5.63	1.50	.25	.95	.57
IN.	.07	1.68	18.98	2.98	8.99	2.41	1.77	6.49	1.67	.29	1.10	.63
AC-FT	1360	32780	369300	58060	174900	46960	34440	126300	32580	5660	21410	12300
CAL YR 1982 TOTAL	272348.3			MEAN 746	MAX 49300	MIN 6.1	CFSM 2.04	IN 27.76	AC-FT 540200			
WTR YR 1983 TOTAL	461855.0			MEAN 1265	MAX 49300	MIN 12	CFSM 3.47	IN 47.07	AC-FT 916100			

SABINE RIVER BASIN

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08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.96	3.05	16.33	18.46	21.78	6.38	5.90	4.01	6.13	4.45	3.18	3.34
2	2.99	3.04	18.72	17.32	22.80	6.06	5.57	3.95	5.73	4.28	3.17	3.30
3	2.99	3.21	20.05	16.07	21.21	5.85	5.41	3.97	5.25	4.10	4.77	3.29
4	2.99	3.27	20.95	13.39	19.38	6.26	5.15	4.09	4.94	3.95	8.42	3.45
5	3.00	3.18	20.87	10.48	16.93	12.15	5.54	3.96	4.81	3.90	8.99	3.25
6	3.01	3.10	19.94	8.49	17.31	11.80	9.08	3.81	7.55	3.96	7.53	3.24
7	3.06	3.06	16.66	7.55	17.35	9.26	10.08	3.67	12.24	3.87	6.74	3.21
8	3.19	3.04	10.53	7.66	16.05	7.71	9.05	4.72	11.21	3.71	7.63	3.17
9	3.22	3.03	8.12	8.06	13.71	6.81	7.56	4.64	7.73	3.62	5.98	3.19
10	3.33	3.02	7.01	7.80	17.17	6.17	6.62	4.17	6.34	3.52	6.12	3.18
11	3.42	3.02	7.89	7.19	18.09	5.72	5.97	4.86	5.54	3.42	7.18	3.17
12	3.28	3.02	10.76	6.00	17.38	5.31	5.49	5.45	5.03	3.36	6.03	3.60
13	3.24	3.02	10.02	5.78	13.09	5.08	6.46	4.92	4.70	3.33	5.80	3.50
14	3.18	3.01	8.12	5.66	10.01	4.93	13.91	4.56	4.45	3.63	5.76	3.36
15	3.12	3.01	8.51	5.55	8.79	4.84	13.64	7.93	4.40	4.26	5.85	3.25
16	3.08	3.02	10.00	5.36	8.09	4.77	10.70	17.09	7.53	4.08	5.67	3.18
17	3.06	3.43	9.14	5.19	7.57	4.78	6.98	18.15	7.56	3.90	5.08	3.17
18	3.04	4.22	7.89	5.09	7.25	4.72	6.07	15.39	6.32	3.78	4.74	3.37
19	3.03	8.66	7.09	5.08	7.06	4.63	5.60	12.81	6.28	3.66	5.95	3.74
20	3.02	12.93	6.45	7.13	6.95	5.45	5.18	16.54	5.48	3.60	5.33	7.32
21	3.02	10.14	5.92	9.56	11.63	6.26	4.88	20.07	4.97	3.57	4.92	11.36
22	3.01	7.51	5.62	8.36	16.36	5.92	4.73	22.09	4.91	3.95	4.59	9.33
23	3.01	5.51	5.69	7.07	17.09	6.43	4.82	21.61	5.40	3.97	4.30	6.75
24	2.99	5.48	5.55	6.42	14.16	13.21	4.71	20.51	11.44	3.66	4.08	5.32
25	2.98	5.67	6.37	6.66	9.13	14.39	4.56	18.43	9.30	3.49	4.02	4.65
26	2.98	5.18	18.75	7.42	7.85	13.80	4.36	13.50	6.40	3.40	3.84	4.30
27	2.98	10.86	26.17	6.90	7.10	11.14	4.23	8.70	5.68	3.32	3.70	4.05
28	2.98	16.28	26.77	6.32	6.74	9.23	4.17	7.22	5.11	3.26	3.59	3.87
29	3.01	16.33	23.51	6.06	---	7.86	4.11	6.34	4.73	3.22	3.52	3.73
30	3.08	14.37	21.46	6.82	---	6.94	4.04	5.91	4.60	3.20	3.43	3.62
31	3.07	---	19.91	9.53	---	6.39	---	5.80	---	3.19	3.38	---
MAX	3.42	16.33	26.77	18.46	22.80	14.39	13.91	22.09	12.24	4.45	8.99	11.36
MIN	2.96	3.01	5.55	5.08	6.74	4.63	4.04	3.67	4.40	3.19	3.17	3.17

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", in SE1/4 sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi southwest of Knight, and 5.2 mi upstream from mouth.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1969 to September 1972.

WATER TEMPERATURES: December 1969 to September 1971.

COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill. Daily discharge values are from Bayou Anacoco near Rosepine, La., upstream station (08028000).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.

WATER TEMPERATURES: Maximum daily, 33.0°C June 15, 1970; minimum daily, 7.0°C Jan. 9, 10, 1970.

COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 21...	0900	17	749	7.0	18.0	200	20	7.5	3.5
JAN 13...	0800	403	125	6.6	11.0	80	15	9.5	6.8
APR 04...	1330	300	146	6.3	16.5	80	70	8.6	2.0
JUL 13...	1650	47	200	6.7	27.0	60	20	6.8	1.5

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 21...	46	K2900	51	17	2.1	140	5.4	134	130
JAN 13...	440	1000	16	4.8	1.0	17	1.7	24	17
APR 04...	K56	--	19	6.1	.9	20	1.5	20	24
JUL 13...	K8	980	23	7.3	1.2	32	2.1	41	32

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 21...	66	.2	20	521	461	.4	4.9	.17
JAN 13...	10	<.1	12	100	77	.1	.5	.34
APR 04...	13	.1	11	99	89	.2	.2	.08.
JUL 13...	17	.2	17	151	134	.2	.5	.08

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

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

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 21...	3	2	<1	<10	<1	2	<1	<1	10	1	<1
APR 04...	1	1	<1	<10	<1	<1	<1	<10	10	2	<1

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 21...	8	3	<1	410	150	7	3	<10	<10	.2	<.1
APR 04...	--	5	<10	190	4	8	3	<10	<1	1.1	.3

DATE	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 21...	<.01	4	4	<1	<1	17	50	19	420	21	<.01
APR 04...	<.01	4	2	<1	<1	1.1	40	11	<1	13	<.01

DATE	PHENOLS TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 21...	4	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1
APR 04...	4	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT 21...	<.01	<.1	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01
APR 04...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 21...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR 04...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

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

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR 04...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 21...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01
APR 04...	<.1	<1	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	208	9.5	87
JAN 13...	27	29	67
APR 04...	71	58	87
JUL 13...	7	.89	43

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

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a seepage study are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis- charge (ft ³ /s)
Red River basin							
07346950	Kelly Bayou near Ida, LA (station discontinued).	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 mi east of Ida.	*73	1969-83	12-28-82	41.29	1,500
07348100	McCain Creek near Shreveport, LA (station discontinued).	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, and 7.0 mi northwest of Shreveport.	13.8	1954-68, 1974-83	1983	<36.4	(#)
07348725	Indian Creek at Shongaloo, LA.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 mi southeast of Shongaloo.	33.1	1966-83	2-23-83	43.75	3,000
07348760	Black Bayou at Leton, LA (station discontinued).	Lat 32°51'10", long 93°15'05", Webster Parish, at bridge on State Highway 159, 0.5 mi south of Leton.	49.8	1954-68, 1974-83	2-23-83	46.77	3,090
07350990	Boggy Bayou at Woolworth Road, near Keithville, LA (station discontinued).	Lat 32°22'35", long 93°54'00", Caddo Parish, at bridge 4.8 mi southwest of Keithville.	41.3	1963-83	2- 5-83	42.37	4,040
07351205	Brush Bayou tribu- tary No. 2, at Shreveport, LA (station discontinued).	Lat 32°26'30", long 93°48'05", Caddo Parish, at culvert on 70th Street, 5.8 mi south- west of Shreveport Post Office.	3.68	1967-70, 1973-83	5-20-83	11.82	(#)
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 mi south of Frierson.	59.6	1966-83	5-21-83	15.15	(#)
07351700	Bayou Na Bonchasse near Mansfield, LA (station discontinued).	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 mi north of Mansfield.	19.5	1958-68a, 1969-83	5-21-83	12.18	1,620
07351980	Saline Bayou near Bienville, LA (station discontinued).	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on Parish Road BI 1080, 1.0 mi upstream from Bear Creek, and 4.0 mi northeast of Bienville.	54.9	1966-83	12-27-82	45.25	3,870

See footnotes at end of the table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis- charge (ft ³ /s)
Red River basin--Continued							
07352200	Black Lake Bayou near Minden, LA (station discontinued).	Lat 32°34'50", long 93°10'55", on Bienville-Webster Parish line, at bridge on U.S. High- way 80, and 7.0 mi southeast of Minden.	38.6	1951-68, 1974-83	12-28-82	15.82	1,280
07352295	Black Lake Creek at Gibbsland, LA (station discontinued).	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mi north of Gibbsland.	44.8	1968-83	2-22-83	47.18	4,180
07352400	Kepler Creek at Sparta, LA.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, 0.8 mi west of Sparta.	21.1	1954-68, 1974-83	2-22-83	44.00	1,780
07352500	Black Lake Bayou near Castor, LA (station discontinued).	Lat 32°15'40", long 93°12'50", Bienville Parish, at bridge on State Highway 4, and 2.8 mi northwest of Castor.	423	1941-57a, 1958-83	2- 8-83	11.91	8,240
07352730	Antoine Creek near Ashland, LA (station discontinued).	Lat 32°05'50", long 93°06'10", Natchitoches Parish, at bridge on State Highway 153, and 3.0 mi south of Ashland.	17.7	1965-83	5-20-83	44.81	(#)
07353990	Kisatchie Bayou at Kisatchie, LA.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117, and 0.6 mi north of Kisatchie.	37.3	1966-83	12-28-82	26.13	17,800
07364740	Bayou de Loutre near Farmerville, LA (station discontinued).	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 mi north of Farmerville.	241	1966-83	12-28-82	48.27	10,300
07364800	Bayou D'Arbonne at Homer, LA (station discontinued).	Lat 32°48'30", long 93°03'20", Claiborne Parish, at bridge on U.S. Highway 79, and 0.2 mi north of Homer.	*30	1954-68, 1974-83	12-27-82	46.02	1,510
07364870	Sugar Creek near Arcadia, LA.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia.	*47	1966-83	12-27-82	45.13	3,770
07365300	Middle Fork Bayou D'Arbonne near Colquitt, LA (station discontinued).	Lat 32°55'40", long 92°59'40", Claiborne Parish, at bridge on State Highway 520, and 2.0 mi southwest of Colquitt.	43.9	1954-68, 1974-83	12-28-82	46.23	3,260
07366000	Corney Bayou near Lillie, LA (station discontinued).	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 mi south of Lillie.	462	1941-57a, 1958-83	12-28-82	16.07	8,700
07366350	Stowe Creek near Farmerville, LA (station discontinued).	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, and 8.0 mi southwest of Farmerville.	*29	1954-68, 1974-83	12-28-82	49.90	12,800
07366403	Bayou Choudrant tributary near Tremont, LA.	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi northwest of Tremont.	0.54	1966-83	12-27-82	9.90	573
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 mi northwest of Calhoun.	113	1966-83	12-27-82	48.50	33,700
07367250	Guyton Creek near Eros, LA.	Lat 32°25'25", long 92°21'20", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi northeast of Eros.	8.76	1968-83	12-27-82	14.38	2,770

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis- charge (ft ³ /s)
Red River basin--Continued							
07367300	North Cheniere Creek at Cheniere, LA (station discontinued).	Lat 32°29'35", long 92°15'40", Ouachita Parish, at bridge on State Highway 546, 1.0 mi southwest of Cheniere.	*38	1954-68, 1974-83	12-27-82	46.29	7,620
07367600	Cypress Creek near Vixen, LA (station discontinued).	Lat 32°17'20", long 92°14'45", Ouachita Parish, at bridge on State Highway 557, and 4.1 mi northeast of Vixen.	*16	1954-68, 1974-83	12-27-82	48.50	4,400
07370530	Black Bayou at Kelly, LA (station discontinued).	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mi southeast of Kelly.	51.9	1966-83	12-27-82	42.66	14,600
07370575	Caney Creek near Chatham, LA (station discontinued).	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 mi southwest of Chatham.	48.8	1966-83	12-27-82	45.73	14,700
07370600	Beaucoup Creek near Cotton Plant, LA.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi west of Cotton Plant.	127	1951-68, 1974-83	12-28-82	13.93	17,200
07370650	Flat Creek near Sikes, LA (station discontinued).	Lat 32°04'45", long 92°27'50", Winn Parish, at bridge on State Highway 126, and 1.5 mi east of Sikes.	41.5	1951-68, 1974-83	12-27-82	13.28	11,200
07370660	Flat Creek near Olla, LA (station discontinued).	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 mi downstream from Fish Creek, and 10.2 mi northwest of Olla.	103	1966-83	12-27-82	50.83	16,800
07370700	Beech Creek near Olla, LA (station discontinued).	Lat 31°54'55", long 92°23'35", Winn Parish, at bridge on State Highway 124, and 9.0 mi west of Olla.	*58	1954-68, 1974-83	5-20-83	45.60	14,700
07370750	Chickasaw Creek near Olla, LA (station discontinued).	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 mi southeast of Olla, and 3.5 mi upstream from Tarver Creek.	47.6	1954-83	12-27-82	42.87	8,440
07370820	Dugdemonia River near Quitman, LA (station discontinued).	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 mi west of Quitman.	117	1965-83	12-27-82	47.29	14,000
07370840	Choctaw Creek near Hodge, LA (station discontinued).	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 mi northwest of Hodge.	16.5	1966-83	12-27-82	45.89	5,310
07370930	Cypress Bayou at Quitman, LA (station discontinued).	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mi southeast of Quitman.	91.8	1966-83	12-27-82	47.74	21,700
07370980	Little Dugdemonia River near Hodge, LA (station discontinued).	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 mi east of Hodge.	*20	1965-83	12-27-82	48.25	7,400
07372110	Brushy Creek near Joyce, LA.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce.	*24	1965-83	12-28-82 5-23-83	46.09 46.09	7,320 7,320

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

Annual maximum							
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Red River basin--Continued							
07372300	Bear Creek near Packton, LA (station discontinued).	Lat 31°47'05", long 92°34'40", Grant Parish, at bridge on U.S. Highway 167, and 1.1 mi south of Packton.	*11	1954-68, 1974-83	12-27-82	48.60	10,600
07372430	Bayou Funny Louis tributary No. 6 near Olla, LA (station discontinued).	Lat 31°52'35", long 92°01'15", La Salle Parish, at culvert on State Highway 126, 13.2 mi east of Olla.	1.23	1973-83	12-27-82	13.11	(#)
07372900	Dyson Creek near Pollock, LA. (station discontinued).	Lat 31°32'20", long 92°25'40", Grant Parish, at bridge on unnumbered parish road, 0.8 mi upstream from mouth, and 1.6 mi northwest of Pollock.	*12	1965-83	5-19-83	45.19	2,010
Mermentau River basin							
08011800	Castor Creek near Oberlin, LA.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin.	43.9	1964-83	12-28-82	647.81	4,510
Calcasieu River basin							
08012650	Floctaw Creek near Lacamp, LA (station discontinued).	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, and 5.0 mi northwest of Lacamp.	18.7	1951-68, 1974-83	12-28-82	15.14	3,640
08013610	Whisky Chitto Creek tributary near Leesville, LA.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, 3.2 mi upstream from mouth.	0.32	1966-83	12-27-82	11.33	630
08013700	Drakes Creek near Pitkin, LA (station discontinued).	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, and 12.5 mi west of Pitkin.	22.1	1954-68, 1974-83	12-28-82	17.34	7,440
08013800	Little Sixmile Creek near Pitkin, LA (station discontinued).	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mi upstream from Spurlock Branch, and 5.0 mi west of Pitkin.	10.4	1954-83	12-27-82	14.38	1,570
08013950	Big Brushy Creek near Pitkin, LA (station discontinued).	Lat 30°54'55", long 92°53'35", Vernon Parish, at bridge on State Highway 10, and 3.0 mi southeast of Pitkin, and 3.1 mi upstream from mouth.	34.4	1965-83	12-27-82	17.54	3,900
08014000	Sixmile Creek near Sugartown, LA (station discontinued).	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 112, 5.5 mi east of Sugartown, and 6.6 mi upstream from mouth.	171	1957-65a, 1966-83	12-27-82	17.52	20,700
08014200	Tenmile Creek near Elizabeth, LA.	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 112, 0.3 mi downstream from Carter Branch, and 5.3 mi southwest of Elizabeth.	94.2	1950-65a, 1966-83	12-27-82	17.61	11,700
08014600	Flat Creek near De Ridder, LA (station discontinued).	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 mi east of De Ridder, and 3.2 mi upstream from mouth.	26.3	1964-83	12-27-82	13.79	8,450

See footnotes at end of the table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis- charge (ft ³ /s)
Calcasieu River basin--Continued							
08015200	Dry Creek at Dry Creek, LA.	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi south of Dry Creek.	42.7	1954-68, 1975-83	12-27-82	24.66	7,430
08016500	Hickory Branch near Longville, LA (station discontinued).	Lat 30°36'23", long 93°15'49", Beauregard Parish, at bridge on State Highway 110, 2.1 mi west of Longville, and 4.2 mi upstream from Horse Branch.	34.9	1953-68, 1977-83	12-27-82 2- 3-83	19.40 20.04	5,660 6,940
08016600	Hickory Branch at Kernan, LA (station discontinued).	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mi southwest of Kernan, and 3.0 mi upstream from Cowpen Creek.	82.2	1946-57a, 1958-83	12-27-82 2- 3-83	28.60 27.49	12,900 10,800
Sabine River basin							
08022600	Bayou Castor near Longstreet, LA (station discontinued).	Lat 32°05'35", long 93°55'15", De Soto Parish, at bridge on State Highway 3015, and 1.8 mi east of Longstreet.	27.7	1954-68, 1974-83	12-15-82	15.16	(#)
08023270	Bull Bayou near Hunter, LA (station discontinued).	Lat 31°53'10", long 93°50'30", De Soto Parish, at bridge on State Highway 174, 1.1 mi southeast of Hunter, and 3.2 mi upstream from mouth.	8.54	1964-83	5-21-83	12.80	490
08024030	Bayou Scie at Zwolle, LA.	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi east of Zwolle.	45.9	1950-68, 1974-83	5-21-83	14.33	7,950
08024060	Blackwell Creek at Many, LA (station discontinued).	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mi northeast of Many, and 0.8 mi upstream from mouth.	3.16	1960-68a, 1969-83	5-20-83	12.39	826
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 mi northeast of Burr Ferry.	9.66	1967-83	12-27-82	10.79	2,130
08026200	Red Bank Creek at Evans, LA (station discontinued).	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mi northeast of Evans, and 2.8 mi upstream from mouth.	17.2	1966-83	12-27-82	21.95	6,010
08026700	West Anacoco Creek near Hornbeck, LA. (station discontinued).	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi southeast of Hornbeck.	22.2	1950-68, 1974-83	12-27-82	17.82	6,910
08027550	Prairie Creek near Leesville, LA (station discontinued).	Lat 31°10'40", long 93°16'30", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi northwest of Leesville.	40.0	1949-68, 1974-83	12-27-82	48.11	34,200
08029700	Brushy Creek at Bancroft, LA (station discontinued).	Lat 30°33'35", long 93°40'49", Beauregard Parish, at bridge on State Highway 389, and 0.8 mi south of Bancroft.	25.9	1954-68, 1974-83	12-27-82	18.52	8,440

* Approximately.

Discharge not determined.

a Operated as a continuous-record gaging station.

b Elevation; National Geodetic Vertical Datum of 1929.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
Red River basin						
07349365	Macks Bayou at Bossier City, LA.	Lat 32°31'59", long 93°40'24", Caddo Parish, at bridge on U.S. Highway 80 and 3.3 mi northeast of Bossier City Post Office.	(#)	1963-83	1983	<156.9
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 mi southeast of Elm Grove.	112	1960-83	1983	<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 mi west of Cotton Valley.	37.8	1960-83	3-24-83	201.42
07349900	Swan Lake near Elm Grove, LA.	Lat 32°16'55", long 93°27'05", Bossier Parish, at bridge on unnumbered parish road, and 7.5 mi southeast of Elm Grove.	1,020	1961-83	2-10-83	136.46
07350300	Coushatta Bayou near Crichton, LA.	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, and 1.8 mi east of Crichton.	15.9	1960-83	1983	<128.4
07350820	Sand Beach Bayou at Shreveport, LA.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall.	(#)	1963-83	1983	* <42.6
07351200	Brush Bayou at Shreveport, LA.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi southwest of Shreveport city hall.	3.4	1960-83	5-20-83 6-18-83	183.26 <180.7
07351300	Brush Bayou near Shreveport, LA.	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 mi south of Shreveport.	27.1	1960-83	5-20-83 6-18-83	158.26 158.35
07352150	Saline Lake near Clarence, LA.	Lat 31°51'10", long 92°56'10", Natchitoches-Winn Parish line, 100 ft left of spillway, and 5.9 mi northeast of Clarence.	(#)	1960-83	5-25-83	109.68
07352410	Kepler Lake near Castor, LA.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, and 5.0 mi north of Castor.	46.2	1960-65a, 1966-83	5-24-83	178.26
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	1960-83	12-27-82	103.43
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 mi northeast of Cloutierville.	582	1960-83	12-27-82	98.65

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Red River basin--Continued						
07355400	Bayou Marteau near Rock Hill, LA.	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on unnumbered parish road, 2.2 mi southwest of Rock Hill, and 5.0 mi northeast of Boyce.	(#)	1960-83	12-27-82	84.84
07355475	Bayou Rapides near Alexandria, LA.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on Parish Road 1202, 12.2 mi upstream from mouth, and 6.9 mi west of Alexandria city hall.	(#)	1963-83	12-27-82	81.64
07355490	Bayou Rapides at control structure, at Alexandria, LA.	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft north of State Highway 496, and 3.1 mi west of Alexandria city hall.	(b)	1963-83	12-27-82	76.45
07366270	Bayou D'Arbonne Lake west of Farmerville, LA.	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State High- way 2, and 3.1 mi west of Farmerville.	(b)	1979-83	12-27-82	85.44
07366365	Bayou D'Arbonne below dam, near Downsville, LA.	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville.	1,607	1978-83	12-27-82	79.49
07367030	Black Bayou at West Monroe, LA.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on down- stream side of bridge at Interstate 20-State Highway 34 exit at West Monroe.	(#)	1978-83	12-27-82	*42.49
07367500	Cheniere Brake near Bawcom- ville, LA.	Lat 32°27'10", long 92°11'29", Ouachita Parish, on down- stream side of bridge on State Highway 3033, and 1.5 mi southwest of Bawcomville.	147	1944-45c, 1978-83	12-27-82	*44.57
07367502	Cheniere Creek south of Bawcomville, LA.	Lat 32°26'22", long 92°10'20", Ouachita Parish, on down- stream side of bridge on State Highway 34, and 1.5 mi south of Bawcomville.	(#)	1978-83	12-27-82	*44.20
07368810	Bayou Galion west of Oak Ridge, LA.	Lat 32°37'35", long 91°50'19", Morehouse Parish, on down- stream side of bridge on State Highway 134, and 3.7 mi west of Oak Ridge.	(#)	1979-83	12-27-82	*45.67
07369016	Youngs Bayou at Monroe, LA.	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe.	(#)	1978-83	12-27-82	*44.86
07369024	Youngs Bayou near Monroe, LA.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi south- east of Monroe.	(#)	1978-83	12-27-82	*44.20
07369195	Turkey Creek near Baskin, LA.	Lat 32°14'50", long 91°40'45", Franklin Parish, at bridge on State Highway 577, and 3.7 mi east of Baskin.	(#)	1978-83	12-20-82 5-20-83	*46.90 *47.20
07369205	Turkey Creek at State Highway 15, at Winnsboro, LA.	Lat 32°09'15", long 91°42'42", Franklin Parish, at bridge on State Highway 15, at Winnsboro.	28.8	1975-80c, 1981-83	12-20-82 5-20-83	62.38 62.83

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
Red River basin--Continued						
07369253	Turkey Creek at Jigger, LA.	Lat 32°02'05", long 91°44'06", Franklin Parish, at bridge on State Highway 128, and 0.7 mi east of Jigger.	62.0	1975-83	12-27-82 5-20-83	*44.60 *39.70
07369300	Deer Creek near Wisner, LA.	Lat 31°57'00", long 91°39'15", Franklin Parish, at bridge on State Highway 15, and 2.0 mi south of Wisner.	27.1	1978-83	12-27-82	*43.68
07369325	Rawson Creek near Harrisonburg, LA.	Lat 31°49'41", long 91°48'54", Catahoula Parish, at bridge on State Highway 124, and 4.2 mi north of Harrisonburg.	(#)	1978-83	12-27-82	*48.91
07369365	Bushley Bayou near Harrisonburg, LA.	Lat 31°44'36", long 91°49'41", Catahoula Parish, at bridge on State Highway 124, and 2.2 mi south of Harrisonburg.	(#)	1978-80c, 1981-83	12-27-82	53.35
07369455	Brushy Bayou at Tallulah, LA.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah.	(#)	1975-80c, 1981-83	5-23-83	75.79
07369457	Lower Roundaway Bayou tributary near Tallulah, LA.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi south of Tallulah.	(#)	1975-80c, 1981-83	5-23-83	74.79
07369460	Roundaway Bayou near Tallulah, LA.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, and 1.5 mi southwest of Tallulah.	28	1954-59a, 1978-83	1954 1955 2-17-56 1957 5- 1-58 2-20-59 5- 8-78 1-21-79 3-30-80 1981 9-13-82 12-27-82	d<71.58 d<71.58 d72.68 d<71.58 d73.30 d<71.58 d72.85 d72.56 d72.12 d70.25 d73.40 74.46
07369468	Panola Bayou at Tallulah, LA.	Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi northeast of Tallulah.	(#)	1978-80c, 1981-83	12-27-82	75.90
073732823	Bayou Cocodrie at Ferriday, LA.	Lat 31°37'33", long 91°34'37", Concordia Parish, at culvert on U.S. Highway 84, and 1.5 mi southwest of Ferriday Post Office.	(b)	1978-83	4- 7-83	*23.46
073732832	Black River Lake at Monterey, LA.	Lat 31°26'39", long 91°43'10", Concordia Parish, on left bank 0.1 mi west of State Highway 129, 0.7 mi south of Monterey, and 1.1 mi south of Monterey High School.	(#)	1978-83	5-22-83	*19.45
Mississippi River Delta						
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, and 3.2 mi west of Alexandria city hall.	(b)	1963-83	12-27-82	75.64
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 and 5.7 mi southwest of Alexandria city hall.	(b)	1963-83	12-27-82	71.31

See footnotes at end of the table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

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ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1983--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
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 mi southwest of Alexandria city hall.	(b)	1963-83	12-27-82	71.09
07382700	Bayou Carron at Washington, LA.	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10 at Washington.	82.6	1973-83	12-29-82	* 70.81
07382840	Hynson Bayou at Bringhurst Park, at Alexandria, LA.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, and 1.7 mi south of Alexandria city hall.	(#)	1963-83	12-27-82	77.48
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, LA.	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi south of Alexandria city hall.	(#)	1960-83	12-27-82	72.23
07382855	Hynson Bayou at Midway St., at Alexandria, LA.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi southeast of Alexandria, city hall.	(#)	1963-83	12-27-82	71.82
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 High- way 1, and 6.7 mi southeast of Alexandria city hall.	(#)	1963-83	12-27-82	69.10
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, and 5.3 mi northeast of Burr Ferry.	33.7	1964-83	12-27-82	118.87

Drainage area not determined.

* Gage datum, NGVD of gage not determined.

a Operated as a crest-stage partial-record station.

b Drainage area indeterminate.

c Operated as a continuous-record gaging station.

d Not previously published to NGVD.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1983

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Red River Basin						
Little River	Black River	Lat 31°34'50", long 92°18'35", on line between La Salle and Grant Parishes, at bridge on State Highway 8, 0.7 mi downstream from Trout Creek, and 7.0 mi northeast of Pollock, LA.	2,254	1952-54, 1961-62, 1964-67, 1969, 1971, 1977, 1982	8-16-82	a289
					10-14-82	698
					12-13-82	11,800
					1-18-83	2,880
					2-14-83	22,300
					3-15-83	6,440
					4-11-83	10,600
					5- 9-83	333
					6-13-83	2,200
					7-11-83	457
					8- 8-83	183
					9-12-83	169
Mermentau River Basin						
Bayou Nezpique	Mermentau River	Lat 30°35'00", long 92°35'53", Evangeline Parish, at bridge on State Highway 104, 7.2 mi north of Basile, LA.	(#)	1981-82	11-10-82	3.4
					12- 4-82	2,380
					12-29-82	10,600
					6-21-83	83
Mississippi River Delta						
Bayou Cocodrie	Bayou Boeuf Cocodrie diversion channel.	Lat 30°51'28", long 92°15'31", at bridge on State Highway 106, 0.2 mi south of St. Landry, LA.	(#)	1970, 1982	10-20-82	78
					11-15-82	110
					12-29-82	3,860
					2-10-83	1,740
					3-10-83	1,100
					4-13-83	1,940
					5-13-83	225
					6-20-83	245
					8- 9-83	1,060
					9- 8-83	163
Calcasieu River Basin						
Calcasieu River	Gulf of Mexico	Lat 30°49'20", long 92°41'04", at bridge on State Highway 10, 1.3 mi northwest of Oakdale.	(#)	1953, 1982	10-20-82	53.9
					12- 2-82	12,800
					2- 7-83	5,130
					3-15-83	840
					6-21-83	191
Sabine River Basin						
Bayou San Patricio	Sabine River	Lat 31°55'47", long 93°38'18", De Soto Parish, at bridge on unnumbered parish road, 1.0 mi northwest of Oxford, LA.	30.9	1978-82	4-19-83	c4.08
					7-14-83	c.20
					8-24-83	b c 0

- # Drainage area not determined.
a Not previously published.
b Base flow.
c Low flow.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION

The following water-quality sites are being sampled as part of a two-year limnological study on Lake Bruin, in cooperation with the Louisiana Department of Transportation and Development, Office of Public Works.

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 27...	0845	171	6.2	19.0	5	3.0	9.3	14	610	2.1	K3	K16
JAN 06...	1315	145	7.1	13.0	5	5.0	9.5	--	--	.8	K8	K4
APR 14...	1300	138	7.1	17.5	5	15	9.5	--	--	1.1	36	170
JUL 14...	1115	142	8.5	32.0	5	2.0	10.3	--	--	1.5	<1	10

DATE	HARDNESS (MG/L AS CAC03)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT 27...	76	21	5.7	3.1	3.7	77	3.0	2.9	--	--	--	--
JAN 06...	68	19	4.9	2.3	3.3	67	2.0	2.0	.10	1.0	81	78
APR 14...	59	16	4.5	2.1	3.3	59	4.3	1.8	<.10	.5	91	68
JUL 14...	64	18	4.6	1.9	3.3	63	4.4	1.8	.10	1.2	76	73

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL IN BOT. MAT. (MG/KG AS P)
OCT 27...	12	<.01	<.01	<.1	.21	.21	60	.5	8800	.02	.01	98000

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 27...	<.1	.9	.06
JAN 06...	.2	1.4	.06
APR 14...	.2	.4	.06
JUL 14...	<.1	.5	.05

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS RE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT 27...	11	9	9	<10	<1	<10	<1	<1	<1	10

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	CHROMIUM, RECOVERED FROM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOVERED FROM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	
OCT 27...	9	<1	2	1	26	180	1	2	20	370	
DATE	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOVERED FROM MATERIAL (UG/G)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG)	MERCURY, DIS-SOLVED (UG/L AS HG)	MERCURY, RECOVERED FROM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOVERED FROM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	
OCT 27...	280	920	<.1	<.1	<.01	3	<1	20	<1	<1	
DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERED FROM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	CYANIDE, TOTAL (MG/L AS CN)	PHENOLS, TOTAL (UG/L)	OIL AND GREASE, TOTAL IN BOTTOM MATERIAL GRAVIMETRIC (MG/KG)		
OCT 27...	<1	<.1	40	6	61	1.2	<.01	<1	<1		
DATE	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT 27...	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01	.002	<.001	<.001
DATE	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE, TOTAL (UG/L)	LINDANE, TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRIETHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	
OCT 27...	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01	<.01	
DATE	PERTHANE, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRIETHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON, CHROMOFLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMOFLUOROM (UG/L)	ALGAL GROWTH POTENTIAL, BOTTLE TEST (MG/L)	
OCT 27...	<.1	<1	<.01	.02	<.01	<.01	<.01	11	<.1	2.0	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PCH, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT												
27...	<1	<1	<.1	15	51	36	10	<.1	<.1	<.1	<.1	<.1
O 27...	59	<1	<.1	82	16	13	<.1	<.1	<.1	<.1	<.1	<.1
DEC												

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR- EPOXIDE TOT. IN BOT. IN TOM MA- BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT. IN TOM MA- BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOT. IN TOM MA- BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOT. IN TOM MA- BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT. IN TOM MA- BOTTOM MATERIL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT												
27...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1	<10	<.1
O 27...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1	<10	<.1
DEC												

DATE	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)
OCT	
27...	97700
O 27...	9100
P 27...	11600

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT	
27...	14000
JAN	
06...	18000
APR	
14...	12000
JUL	
14...	310000

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

O Sample collected near the north shore of this site.

P Sample collected near the south shore of this site.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 27,82 0845	JAN 6,83 1315	APR 14,83 1300	JUL 14,83 1115				
TOTAL CELLS/ML	14000	18000	12000	310000				
DIVERSITY: DIVISION	1.3	1.3	1.4	0.3				
..CLASS	1.3	1.3	1.4	0.3				
...ORDER	2.5	1.4	1.7	1.4				
....FAMILY	2.6	1.4	1.9	1.5				
....GENUS	3.0	1.4	2.2	1.8				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
....NITZSCHIACEAE								
.....NITZSCHIA	--	-	180	1	140	1	--	-
..EUPODISCALES								
...COSCINODISCAEAE								
....CYCLOTELLA	160	1	--	-	1500	12	*	0
....MELOSIRA	--	-	11000#	59	1800	15	--	-
..FRAGILARIALES								
...FRAGILARIAEAE								
....SYNEDRA	480	3	--	-	--	-	1600	1
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHLOROCOCCACEAE								
.....TETRAEDRON	*	0	220	1	*	0	*	0
...DICTYOSPHAERIAEAE								
....DICTYOSPHAERIUM	1700	12	--	-	190	2	--	-
...MICRACTINIAEAE								
....GOLENKINIA	--	-	--	-	--	-	*	0
...OOCYSTACEAE								
....ANKISTRODESMUS	290	2	940	5	650	5	2400	1
....FRANCEIA	--	-	--	-	--	-	*	0
....SELENASTRUM	--	-	--	-	*	0	--	-
...SCENEDESMACEAE								
....SCENEDESMUS	190	1	--	-	280	2	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	510	4	3000	1
...CHLOROGONIUM	--	-	--	-	--	-	*	0
..VOLVOCAEAE								
....PANDORINA	--	-	--	-	--	-	2200	1
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	190	1	--	-	--	-	--	-
....STAUSTRUM	*	0	--	-	--	-	*	0
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOCHRYSIDACEAE								
.....CHROOMONAS	190	1	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....AGMENELLUM	--	-	5900#	32	--	-	7500	2
....ANACYSTIS	2000	14	--	-	6600#	55	45000	14
...NOSTOCALES								
....NOSTOCAEAE								
.....ANABAENA	1800	12	--	-	--	-	6500	2
...CYLINDROSPERMUM	3100#	22	--	-	--	-	32000	10
..OSCILLATORIALES								
...OSCILLATORIAEAE								
....LYNGBYA	--	-	--	-	--	-	200000#	65
....OSCILLATORIA	3500#	25	--	-	280	2	7500	2
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	*	0	--	-	--	-	--	-
....TRACHELOMONAS	290	2	360	2	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
...PERIDINIAEAE								
....PERIDINIUM	160	1	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	CULIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	
OCT 27...	0930	166	7.1	19.0	5	5.0	9.3	12	480	2.1	K1	K12	
DATE		HARDNESS (MG/L AS CAC03)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM DISSOLVED (MG/L AS MG)	SODIUM DISSOLVED (MG/L AS NA)	POTASSIUM DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE DISSOLVED (MG/L AS CL)				
OCT 27...		76	21	5.6	2.7	3.9	72	3.0	2.4				
DATE		SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)				
OCT 27...		10	<.01	<.01	<.1	<.1	.02	.02	33				
DATE			NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. BOT MAT (MG/KG AS N)	PHOSPHORUS, TOT IN TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, TOTAL IN BOT. MAT. (MG/KG AS P)					
OCT 27...			1.0	8100	.05	.01	<.01	19000					
DATE		ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
OCT 27...	6	5	5	<10	<1	<10	<1	<1	<1	10	6	<1	
DATE		COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
OCT 27...	3	2	19	560	2	<1	20	50	23	520	<.1	<.1	
DATE		MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)
OCT 27...		<.01	2	3	20	<1	<1	<1	.2	30	4	54	4.7

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)
OCT 27...	1.3	<.01	<1	2	<1	<.1	<1	<.1	<1	<.001	<.1	<.1
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 27...	11	<.001	19	<.001	20	<.001	1.7	<.01	<.1	<.001	<.1	<.001
DATE	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
OCT 27...	<.1	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1
DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN- TIAL, HUTTLE TEST (MG/L)
OCT 27...	<1	<1	<10	<.01	<.1	.02	<.01	<.01	<.01	17	<.1	<1
DATE	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)											
OCT 27...	65200											
Q27...	15100											
R27...	19000											

< Actual value is known to be less than the value shown.
 Q Sample collected near the east shore of this site.
 R Sample collected near the west shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1982 TO SEPTEMBER 1983

	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
DATE	
OCT 27...	200000

DATE TIME	OCT 27,82 0930
TOTAL CELLS/ML	200000
DIVERSITY: DIVISION	0.3
..CLASS	0.3
...ORDER	1.4
...FAMILY	1.4
....GENUS	1.8

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
..BACILLARIOPHYCEAE		
...BACILLARIALES		
....NITZSCHIA	*	0
...EUPODISCALES		
....COSCINODISCACEAE		
....CYCLOTELLA	*	0
...FRAGILARIALES		
...FRAGILARIACEAE		
....SYNEDRA	*	0
CHLOROPHYTA (GREEN ALGAE)		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
....CHLOROCOCCACEAE		
....POLYEDRIOPSIS	*	0
....SCHROEDERIA	*	0
....TETRAEDRON	1400	1
...OOCYSTACEAE		
....ANKISTRODESMUS	1600	1
....KIRCHNERIELLA	*	0
...OOCYSTIS	*	0
...SCENEDESMACEAE		
....SCENEDESMUS	*	0
...VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	1400	1
CYANOPHYTA (BLUE-GREEN ALGAE)		
..CYANOPHYCEAE		
...CHROOCOCCALES		
....CHROOCOCCACEAE		
....AGMENELLUM	13000	7
....ANACYSTIS	45000#	23
...NOSTOCALES		
....NOSTOCACEAE		
....ANABAENOPSIS	1600	1
....CYLINDROSPERMUM	6900	3
...OSCILLATORIALES		
....OSCILLATORIACEAE		
....LYNGBYA	1800	1
....OSCILLATORIA	120000#	61
EUGLENOPHYTA (EUGLENOIDS)		
..EUGLENOPHYCEAE		
...EUGLENALES		
....EUGLENACEAE		
....TRACHELOMONAS	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 27...	0800	164	7.1	19.5	5	2.0	9.5	16	370	2.9	<1	49
JAN 06...	1330	146	7.2	12.5	15	5.0	10.2	--	--	1.4	K4	K4
APR 14...	1245	140	7.0	17.5	5	15	9.2	--	--	.5	K10	K13
JUL 14...	1045	142	8.5	31.0	5	2.0	9.8	--	--	1.0	<1	K2

DATE	HARDNESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)
OCT 27...	76	21	5.6	3.3	3.7	73	4.0	3.2	--	--	--	--
JAN 06...	67	19	4.8	2.3	3.4	69	3.0	2.1	.1	.8	85	76
APR 14...	61	17	4.6	2.1	3.3	58	4.3	1.7	.1	.6	81	69
JUL 14...	61	17	4.6	2.6	3.3	62	3.5	1.9	.2	1.1	78	71

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE DIS-SOLVED TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, TOTAL IN BOT. MAT. (MG/KG AS P)
OCT 27...	9	<.01	<.01	<.1	.02	.03	36	.3	7200	.03	<.01	47000

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 27...	<.1	.6	.05
JAN 06...	.2	.2	.07
APR 14...	.3	.4	.05
JUL 14...	<.1	.6	.05

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	BERYLLIUM, RECOVERABLE FM BOTTOM MATERIAL (UG/G)	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CADMIUM, RECOVERABLE FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOVERABLE FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)
OCT 27...	6	5	3	<10	<1	<10	<1	<1	<1	10	10	<1

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

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

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG).
OCT 27...	3	1	21	6	3	<1	20	60	5	670	<.1	<.1
DATE	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECov. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
OCT 27...	<.01	2	<1	20	<1	<1	<1	<.1	10	<4	60	4.9
DATE	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)
OCT 27...	1.3	<.01	<1	2	<1	<.1	<1	<.1	<1	<.01	<.1	<.1
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 27...	15	<.01	17	<.01	55	<.01	1.1	.01	<.1	<.01	.9	<.01
DATE	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN- TIAL, BOTTLE TEST (MG/L)
OCT 27...	<1	<1	<10	<.01	<.1	.03	<.01	<.01	<.01	24	<.1	<1.0

DATE	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)
OCT 27...	90400
S 27...	16500
T 27...	47300

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 27...	320000
JAN 06...	15000
APR 14...	19000
JUL 14...	220000

< Actual value is known to be less than the value shown.
 S Sample collected near the west shore of this site.
 T Sample collected near the east shore of this site.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 27,82 0800	JAN 6,83 1330	APR 14,83 1245	JUL 14,83 1045				
TOTAL CELLS/ML	320000	15000	19000	220000				
DIVERSITY: DIVISION	0.5	0.9	0.8	0.3				
..CLASS	0.5	0.9	0.8	0.3				
..ORDER	1.5	0.9	1.0	1.6				
...FAMILY	1.7	1.2	1.1	1.9				
....GENUS	2.3	1.6	1.2	2.6				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
....NITZSCHIACEAE								
.....NITZSCHIA	2400	1	--	-	230	1	*	0
...EUPODISCALES								
....COSCINODISCAEAE								
.....CYCLOTELLA	*	0	1700	11	1200	6	*	0
....MELOSIRA	--	-	10000#	68	330	2	--	-
...FRAGILARIALES								
....FRAGILARIAEAE								
.....SYNEDRA	--	-	--	-	--	-	1800	1
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHLOROCOCCACEAE								
.....TETRAEDRON	2100	1	--	-	--	-	*	0
...DICTYOSPHAERIACEAE								
....DICTYOSPHAERIUM	8300	3	--	-	--	-	--	-
...HYDRODICTYACEAE								
.....PEDIASTRUM	--	-	--	-	--	-	2000	1
...MICRACTINIACEAE								
....ACANTHOSPHAERA	*	0	--	-	--	-	--	-
....GOLENKINIA	--	-	280	2	--	-	--	-
...MICRACTINIUM	3100	1	--	-	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	2800	1	1200	8	330	2	2300	1
....CHODATELLA	*	0	--	-	--	-	--	-
....KIRCHNERIELLA	*	0	--	-	*	0	--	-
....QUADRIGULA	*	0	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	*	0	--	-
....TREUBARIA	--	-	--	-	--	-	*	0
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	560	3	--	-
....SCENEDESMUS	*	0	1000	7	--	-	*	0
....TETRASTRUM	--	-	--	-	190	1	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	*	0	--	-	370	2	*	0
...PHACOTACEAE								
....PHACOTUS	--	-	--	-	*	0	--	-
...ZYGNEATALES								
....DESMIDIACEAE								
.....EUASTRUM	--	-	170	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1982 TO SEPTEMBER 1983

DATE TIME	OCT 27,82 0800	JAN 6,83 1330	APR 14,83 1245	JUL 14,83 1045				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	37000	11	--	-	--	-	13000	6
....ANACYSTIS	140000#	44	--	-	16000#	82	19000	9
...NOSTOCALES								
...HAMMATOIDEACEAE								
...RAPHIDIOPSIS	2800	1	--	-	--	-	18000	8
...NOSTOCACEAE								
....ANARAENA	7600	2	--	-	--	-	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	43000#	19
...OSCILLATORIALES								
...OSCILLATORIAEAE								
....LYNGBYA	13000	4	--	-	--	-	68000#	31
....OSCILLATORIA	96000#	30	--	-	190	1	52000#	24
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....TRACHELOMONAS	--	-	500	3	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
...PERIDINIAEAE								
....PERIDINIUM	*	0	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
05...	242000	175	114000	97
19...	288000	191	149000	95
NOV				
09...	423000	232	265000	89
16...	462000	230	287000	88
30...	303000	200	164000	94
DEC				
14...	453000	237	290000	85
31...	352000	182	173000	96
JAN				
11...	632000	386	659000	90
25...	494000	344	459000	90
FEB				
08...	1190000	779	250000	76
MAR				
08...	1240000	330	110000	95
22...	929000	179	449000	95
APR				
06...	1260000	484	165000	70
19...	1020000	368	101000	74
MAY				
03...	850000	362	832000	83
17...	594000	207	332000	85
JUN				
14...	976000	572	151000	85
JUL				
06...	840000	1030	2330000	96
13...	650000	272	477000	96
AUG				
02...	607000	580	950000	98
09...	482000	398	517000	97
23...	421000	201	228000	94
SEP				
07...	416000	280	314000	96
20...	404000	278	304000	98

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL ABOVE SIMMESPORT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
08...	7300	115	2270	96
22...	59100	2430	388000	97
NOV				
19...	59100	1220	195000	94
DEC				
03...	23700	359	23000	100
17...	34500	265	24700	99
JAN				
28...	30000	215	17400	100
FEB				
25...	86000	283	65600	95
MAR				
11...	62000	238	39900	100
25...	65000	286	50200	99
APR				
07...	38000	552	56600	98
22...	93000	569	143000	95
MAY				
06...	59000	134	21400	95
20...	95000	6790	1740000	95
JUN				
03...	90000	1780	432000	96
17...	101000	1170	318000	98
JUL				
01...	131000	1570	555000	90
15...	88000	1370	325000	94
29...	29000	278	21800	99
AUG				
12...	32000	275	23800	96
26...	16000	103	4460	97
SEP				
09...	10000	72	1950	100
23...	19000	77	3960	94

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1983 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN					
07344450 PAW PAW BAYOU NEAR GREENWOOD, LA					
Jan. 5, 1983...	8.0	7.1	May 25.....	26.0	--
Feb. 2.....	6.0	9.2	June 23.....	25.5	--
Mar. 10.....	9.0	10.7	July 26.....	23.0	6.3
Apr. 13.....	15.5	8.6			
07348000 TWELVEMILE BAYOU NEAR DIXIE, LA					
Oct. 5, 1982...	28.0	3.6	Apr. 12.....	16.0	11.7
Nov. 18.....	12.0	7.2	May 25.....	19.0	--
Jan. 4, 1983...	15.5	8.6	June 22.....	26.0	--
Feb. 1.....	9.5	10.6	July 26.....	26.0	8.5
Feb. 18.....	7.5	8.9	Sept. 14.....	25.0	--
Mar. 9.....	9.5	9.6			
07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA					
Oct. 4, 1982...	20.0	10.6	Apr. 20.....	14.5	--
Nov. 15.....	10.0	8.8	May 16.....	20.0	6.1
Dec. 7.....	13.5	7.8	June 20.....	28.0	--
Jan. 28, 1983...	9.0	--	July 22.....	21.5	7.6
Mar. 8.....	11.0	7.4	Aug. 30.....	26.0	6.6
Apr. 11.....	15.0	11.7			
07349374 FLAT RIVER NEAR CURTIS, LA					
Oct. 1, 1982...	25.5	--	Feb. 10.....	10.0	--
Oct. 18.....	15.5	--	Feb. 11.....	11.5	--
Nov. 1.....	21.0	7.5	Mar. 14.....	12.5	6.5
Nov. 10.....	18.0	7.3	Apr. 14.....	15.0	7.4
Dec. 4.....	17.0	6.9	May 26.....	19.5	--
Dec. 15.....	9.0	7.8	June 24.....	26.0	--
Dec. 17.....	9.5	6.9	July 12.....	28.5	--
Jan. 14, 1983...	12.0	7.2	Aug. 3.....	26.5	--
Feb. 3.....	7.0	7.7	Sept. 1.....	29.0	9.8
Feb. 7.....	5.0	7.5			
07349500 BODCAU BAYOU NEAR SAREPTA, LA					
Oct. 5, 1982...	23.0	9.2	Apr. 11.....	27.5	8.8
Nov. 19.....	13.5	6.9	May 19.....	22.0	6.4
Dec. 9.....	12.8	7.8	June 21.....	25.5	--
Jan. 31, 1983...	10.0	9.6	July 25.....	22.0	6.4
Mar. 8.....	11.5	11.6	Aug. 31.....	28.0	7.8
07349795 CYPRESS BAYOU ABOVE BENTON, LA					
Nov. 19, 1982...	13.5	8.3	Apr. 12.....	16.5	7.7
Dec. 16.....	10.0	--	May 19.....	22.5	--
Jan. 3, 1983...	6.0	6.7	June 21.....	32.5	--
Jan. 31.....	8.5	7.1	July 25.....	21.0	1.8
Mar. 9.....	9.5	10.3			
07349860 RED CHUTE BAYOU AT SLIGO, LA					
Oct. 6, 1982...	20.5	6.2	Feb. 11.....	12.0	--
Nov. 18.....	12.5	9.2	Mar. 14.....	13.5	8.8
Dec. 15.....	8.5	--	Apr. 14.....	16.0	11.7
Dec. 17.....	9.0	8.3	May 5.....	26.5	--
Jan. 5, 1983...	7.0	8.8	June 24.....	27.0	--
Jan. 26.....	8.0	9.6	Aug. 3.....	29.0	--
Feb. 3.....	8.5	6.8	Sept. 1.....	28.5	10.7
Feb. 9.....	7.0	--			
07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA					
Nov. 23, 1982...	15.0	8.8	Mar. 10.....	10.0	8.7
Dec. 4.....	15.5	--	Apr. 13.....	15.0	9.8
Feb. 2.....	7.5	8.4	May 26.....	19.5	--
Feb. 10.....	10.5	--	June 23.....	23.0	--
Feb. 17.....	6.0	9.3	July 12.....	24.0	--
07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA					
Oct. 5, 1982...	26.5	7.9	Feb. 23.....	16.5	--
Nov. 22.....	18.5	--	Apr. 20.....	15.0	7.1
Dec. 16.....	9.5	--	June 1.....	21.5	5.2
Jan. 25, 1983...	7.5	--			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1983 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
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RED RIVER BASIN--Continued

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN, LA

Dec. 14, 1979...	7.0	8.6	Dec. 15.....	8.0	10.4
Jan. 29, 1980...	8.0	--	Jan. 25, 1982...	10.0	--
Mar. 10.....	16.5	7.7	Mar. 9.....	11.5	--
Apr. 13.....	13.5	--	Apr. 22.....	17.0	--
Apr. 14.....	16.5	--	May 17.....	24.0	2.1
Apr. 24.....	21.0	3.0	Nov. 17.....	10.5	--
May 16.....	21.5	--	Dec. 13.....	9.0	8.5
May 29.....	24.5	8.1	Jan. 10, 1983...	10.0	--
Jan. 26, 1981...	11.0	8.8	Mar. 3.....	14.5	--
Mar. 11.....	15.0	6.5	Apr. 21.....	13.0	--
Apr. 14.....	25.5	5.2	May 31.....	20.5	5.6
June 1.....	23.5	1.0	July 12.....	26.0	--
Nov. 3.....	16.0	8.1	Aug. 24.....	27.0	--

07351750 BAYOU PIERRE NEAR LAKE END, LA

Dec. 12, 1980...	11.5	10.9	Mar. 8.....	11.0	--
Jan. 26, 1981...	10.5	11.2	Apr. 22.....	16.0	6.0
Mar. 12.....	14.0	7.1	May 17.....	27.0	4.1
Apr. 14.....	25.0	5.0	July 12.....	29.0	--
June 3.....	23.5	5.9	Aug. 23.....	28.0	--
July 9.....	26.5	3.3	Oct. 6.....	25.5	--
Aug. 26.....	29.5	5.5	Nov. 22.....	18.5	--
Oct. 2.....	24.0	6.9	Jan. 3, 1983...	5.5	--
Nov. 3.....	16.5	7.0	Apr. 19.....	13.5	8.4
Dec. 15.....	7.5	11.3	May 31.....	23.5	4.0
Jan. 25, 1982...	12.0	--			

07352000 SALINE BAYOU NEAR LUCKY, LA

Oct. 22, 1982...	14.0	8.4	Feb. 28.....	8.0	10.6
Nov. 1.....	15.0	--	Mar. 29.....	12.0	8.6
Nov. 12.....	16.5	5.5	Apr. 28.....	12.0	7.3
Dec. 1.....	15.5	--	May 21.....	18.0	--
Dec. 4.....	16.5	--	June 21.....	17.0	--
Dec. 23.....	16.0	6.9	July 21.....	19.0	7.1
Dec. 28.....	13.0	--	Aug. 31.....	26.0	--
Feb. 17, 1983...	13.0	9.4			

07352800 GRAND BAYOU NEAR COUSHATTA, LA

Nov. 24, 1982...	14.5	--	Feb. 24.....	16.5	--
Dec. 16.....	10.0	--	Apr. 19.....	14.0	7.0
Jan. 25, 1983...	6.0	--	June 1.....	20.5	4.5

07354100 KISATCHIE BAYOU AT LOTUS, LA

Oct. 5, 1982...	23.0	--	Apr. 12.....	19.0	--
Nov. 15.....	10.5	--	June 7.....	22.0	4.4
Feb. 25, 1983...	11.5	--			

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

Oct. 1, 1982...	25.5	--	July 7, 1983...	21.2	7.4
Oct. 20.....	21.0	--	July 26.....	29.6	--
Nov. 10.....	15.2	10.2			

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

Oct. 4, 1982...	23.5	--	Apr. 4.....	8.2	9.0
Nov. 24.....	12.5	--	Apr. 11.....	15.2	--
Dec. 7.....	15.2	5.2	May 16.....	21.0	--
Dec. 30.....	11.5	--	June 15.....	19.0	7.2
Jan. 26, 1983...	6.0	--	July 21.....	29.8	--
Mar. 14.....	10.9	8.4	Sept. 8.....	28.0	--
Mar. 28.....	7.2	10.7			

07364890 BAYOU D'ARBONNE NEAR HICO, LA

Dec. 8, 1982...	10.5	--	Apr. 12.....	11.0	10.4
Dec. 16.....	11.0	9.2	May 18.....	15.0	9.4
Dec. 28.....	13.0	--	June 20.....	17.0	--
Feb. 1, 1983...	12.0	8.1	June 29.....	27.0	--
Feb. 7.....	7.0	--	July 19.....	25.5	3.5
Mar. 22.....	11.5	6.3			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1983 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
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RED RIVER BASIN--Continued

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

Oct. 6, 1982...	22.5	4.7	Mar. 1.....	5.5	10.6
Oct. 25.....	10.0	8.8	Apr. 12.....	12.0	9.1
Nov. 12.....	14.2	6.8	May 19.....	15.0	7.1
Dec. 17.....	16.0	9.4	June 20.....	18.0	--
Dec. 20.....	8.5	9.1	July 20.....	20.0	5.6
Jan. 31, 1983...	9.0	--	Sept. 6.....	29.0	--

07368000 BOEUF RIVER NEAR GIRARD, LA

Oct. 4, 1982...	24.5	--	Apr. 13.....	16.2	--
Oct. 14.....	18.0	--	May 17.....	20.4	--
Oct. 15.....	12.0	--	May 23.....	22.2	--
Nov. 15.....	11.5	10.6	June 1.....	21.5	--
Feb. 4, 1983...	8.6	--	June 21.....	19.0	3.9
Mar. 17.....	10.0	6.8	July 25.....	30.5	--
Apr. 12.....	16.4	--	Sept. 12.....	26.0	--

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

Oct. 4, 1982....	26.5	--	Mar. 16.....	14.0	9.5
Oct. 18.....	19.0	--	Mar. 29.....	7.0	10.8
Nov. 15.....	10.9	11.0	Apr. 13.....	14.0	10.2
Nov. 30.....	11.0	7.0	May 19.....	20.0	7.1
Dec. 6.....	15.0	--	June 21.....	20.5	5.9
Dec. 30.....	9.0	--	July 6.....	28.6	--
Jan. 25, 1983...	3.0	10.0	July 13.....	29.0	--
Feb. 24.....	11.5	9.5	July 19.....	28.8	--
Mar. 3.....	11.0	8.4	Sept. 12.....	27.5	8.2

07369500 TENSAS RIVER AT TENDAL, LA

Oct. 5, 1982...	24.0	--	Apr. 14.....	17.5	6.8
Nov. 18.....	13.1	7.2	May 26.....	23.5	--
Dec. 6.....	17.5	--	June 20.....	21.0	6.4
Feb. 1, 1983...	14.0	--	July 25.....	30.5	--
Feb. 7.....	5.1	--	Sept. 12.....	26.9	5.0
Mar. 17.....	9.0	8.2			

07369700 BAYOU MACON NEAR KILBOURNE, LA

Oct. 5, 1982...	23.5	--	Sept. 8, 1983...	26.0	--
Nov. 18.....	14.8	9.4			

07370000 BAYOU MACON NEAR DELHI, LA

Oct. 14, 1982...	17.5	--	Mar. 17.....	10.0	9.9
Oct. 18.....	20.0	--	Apr. 18.....	17.2	--
Nov. 16.....	13.0	11.1	May 20.....	23.1	--
Nov. 30.....	15.0	--	June 20.....	21.0	5.7
Dec. 2.....	16.5	--	June 29.....	27.5	--
Dec. 17.....	12.0	--	July 20.....	32.0	--
Jan. 13, 1983...	9.8	--	Sept. 12.....	27.5	6.8
Jan. 31.....	8.0	--	Sept. 30.....	21.0	--
Feb. 24.....	15.0	10.2			

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

Oct. 6, 1982...	23.5	--	Apr. 7.....	9.0	7.8
Nov. 12.....	16.0	2.0	May 18.....	20.0	--
Dec. 15.....	9.5	--	June 22.....	17.0	6.3
Dec. 29.....	13.0	--	July 21.....	22.5	4.6
Feb. 3, 1983...	8.0	4.4	Aug. 31.....	29.0	--
Feb. 28.....	7.0	9.3			

07372200 LITTLE RIVER NEAR ROCHELLE, LA

Oct. 1, 1982...	24.5	6.9	Apr. 11.....	16.5	--
Nov. 8.....	13.0	--	July 11.....	26.0	--
Mar. 15, 1983...	13.0	--			

07373000 BIG CREEK AT POLLOCK, LA

Oct. 1, 1982...	19.5	7.8	Apr. 14.....	18.0	--
Nov. 8.....	11.5	--	May 27.....	19.5	--
Dec. 1.....	18.5	--	June 30.....	24.5	--
Jan. 17, 1983...	7.5	--	July 11.....	25.5	--
Mar. 15.....	13.5	--	July 29.....	25.0	--

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1983 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
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RED RIVER BASIN--Continued

07373251 HEMPHILL CREEK AT NEBO, LA

Nov. 5, 1982...	13.5	--	Apr. 13.....	17.0	--
Dec. 1.....	18.0	--	July 19.....	26.5	--
Feb. 18, 1983...	12.0	--	July 29.....	26.5	--
Apr. 6.....	16.5	--			

MISSISSIPPI RIVER DELTA

07381800 SPRING CREEK NEAR GLENMORA, LA

Oct. 4, 1982...	20.5	--	Jan. 17, 1983...	12.0	--
Oct. 5.....	20.0	--	Mar. 2.....	16.0	--
Nov. 10.....	16.0	--	Apr. 18.....	17.5	--
Dec. 6.....	14.5	--			

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

Oct. 1, 1982...	22.0	--	Apr. 12.....	20.0	--
Nov. 12.....	17.0	--	July 19.....	26.5	4.1
Jan. 21, 1983...	8.0	--			

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

Oct. 5, 1982...	25.0	5.4	May 13.....	22.0	5.1
Nov. 15.....	12.0	9.5	June 20.....	27.5	4.2
Dec. 23.....	18.0	7.2	July 27.....	30.0	--
Mar. 9, 1983...	15.0	--	Aug. 9.....	28.0	4.6
Apr. 13.....	17.0	4.8	Sept. 8.....	28.0	3.2

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

Oct. 1, 1982...	22.5	--	Dec. 28.....	17.0	--
Nov. 10.....	16.0	--	Apr. 12, 1983...	19.5	--

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

Oct. 5, 1982...	25.0	4.6	May 9.....	20.0	3.7
Nov. 15.....	14.0	7.5	May 24.....	22.0	6.8
Dec. 22.....	14.0	6.9	June 16.....	26.0	3.4
Mar. 9, 1983...	17.5	--	July 27.....	29.5	--
Apr. 4.....	15.0	7.2	Sept. 7.....	28.5	--

07386200 BAYOU FUSILIER AT WEIR, NEAR ARNAUDVILLE, LA

Oct. 4, 1982...	25.0	6.7	Apr. 4.....	16.0	7.1
Oct. 8.....	24.0	3.9	May 9.....	23.0	2.5
Nov. 15.....	14.0	7.2	June 16.....	31.5	4.3
Feb. 2, 1983...	11.0	--	July 27.....	30.0	--
Mar. 10.....	17.5	--	Sept. 7.....	28.0	--

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

Oct. 14, 1982...	20.0	5.2	May 12.....	21.0	3.6
Nov. 10.....	18.5	5.3	June 24.....	32.5	3.8
Jan. 24, 1983...	10.0	--	Aug. 5.....	28.0	5.1
Mar. 9.....	15.0	--	Sept. 9.....	26.0	2.8
Apr. 11.....	16.0	5.9			

CALCASIEU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

Oct. 14, 1982...	17.0	4.6	Apr. 11.....	15.0	8.2
Nov. 10.....	16.0	5.6	May 12.....	22.0	6.5
Dec. 17.....	11.0	--	June 24.....	26.0	3.2
Dec. 21.....	11.0	--	Aug. 5.....	26.0	6.2
Jan. 24, 1983...	10.5	--	Sept. 9.....	26.0	5.5
Mar. 3.....	11.5	--	Oct. 6.....	21.5	3.4

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

Oct. 1, 1982...	21.5	--	Jan. 21, 1983...	9.5	--
Nov. 9.....	15.0	--	Mar. 17.....	14.0	--
Dec. 6.....	15.0	--	Apr. 18.....	17.0	--
Dec. 9.....	15.5	--			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1983 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
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CALCASIEU RIVER BASIN--Continued

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

Oct. 13, 1982...	19.5	8.5	Apr. 14.....	14.5	--
Nov. 7.....	14.0	9.6	May 19.....	20.5	6.4
Dec. 14.....	14.0	--	June 21.....	26.0	6.8
Jan. 27, 1983...	9.5	--	Sept. 12.....	25.5	5.3

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

Oct. 13, 1982...	16.0	9.2	Apr. 13.....	13.0	--
Oct. 21.....	15.0	9.6	May 19.....	20.0	7.6
Nov. 8.....	15.0	9.5	June 21.....	24.0	6.6
Dec. 12.....	14.0	3.0	July 28.....	28.0	--
Jan. 25, 1983...	8.0	--	Sept. 14.....	23.0	7.3

08015500 CALCASIEU RIVER NEAR KINDER, LA

Oct. 14, 1982...	18.5	--	Apr. 12.....	14.5	7.6
Oct. 21.....	18.0	--	May 25.....	20.0	6.2
Nov. 9.....	17.0	--	June 22.....	25.0	7.2
Dec. 6.....	16.5	--	July 27.....	26.5	--
Jan. 25, 1983...	9.0	--	Sept. 8.....	23.0	5.2

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

Oct. 5, 1982...	23.0	--	May 23.....	20.0	6.6
Nov. 10.....	16.0	6.9	June 27.....	25.5	5.2
Dec. 16.....	11.0	--	July 26.....	27.0	--
Jan. 26, 1983...	10.5	--	Sept. 7.....	22.0	5.5
Apr. 11.....	13.5	--			

SABINE RIVER BASIN

08022765 BAYOU CASTOR NEAR FUNSTON, LA

Nov. 17, 1982...	9.5	--	Apr. 20.....	12.0	--
Dec. 14.....	7.5	11.0	June 1.....	17.5	5.3
Jan. 11, 1983...	8.5	--	July 13.....	24.5	--
Mar. 1.....	10.5	--	Aug. 25.....	27.0	--

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

Nov. 17, 1982...	9.5	--	Apr. 20.....	13.5	--
Dec. 14.....	7.0	11.8	June 1.....	21.0	4.5
Jan. 11, 1983...	8.0	--	July 13.....	25.0	--
Jan. 12.....	8.5	--	Aug. 25.....	27.5	--
Mar. 1.....	10.0	--			

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

Nov. 16, 1982...	8.0	--	Apr. 19.....	15.5	--
Dec. 15.....	12.5	8.5	May 31.....	19.5	7.2
Jan. 13, 1983...	8.0	--	July 12.....	25.0	--
Mar. 2.....	11.5	--	Aug. 24.....	27.0	--

08025500 BAYOU TORO NEAR TORO, LA

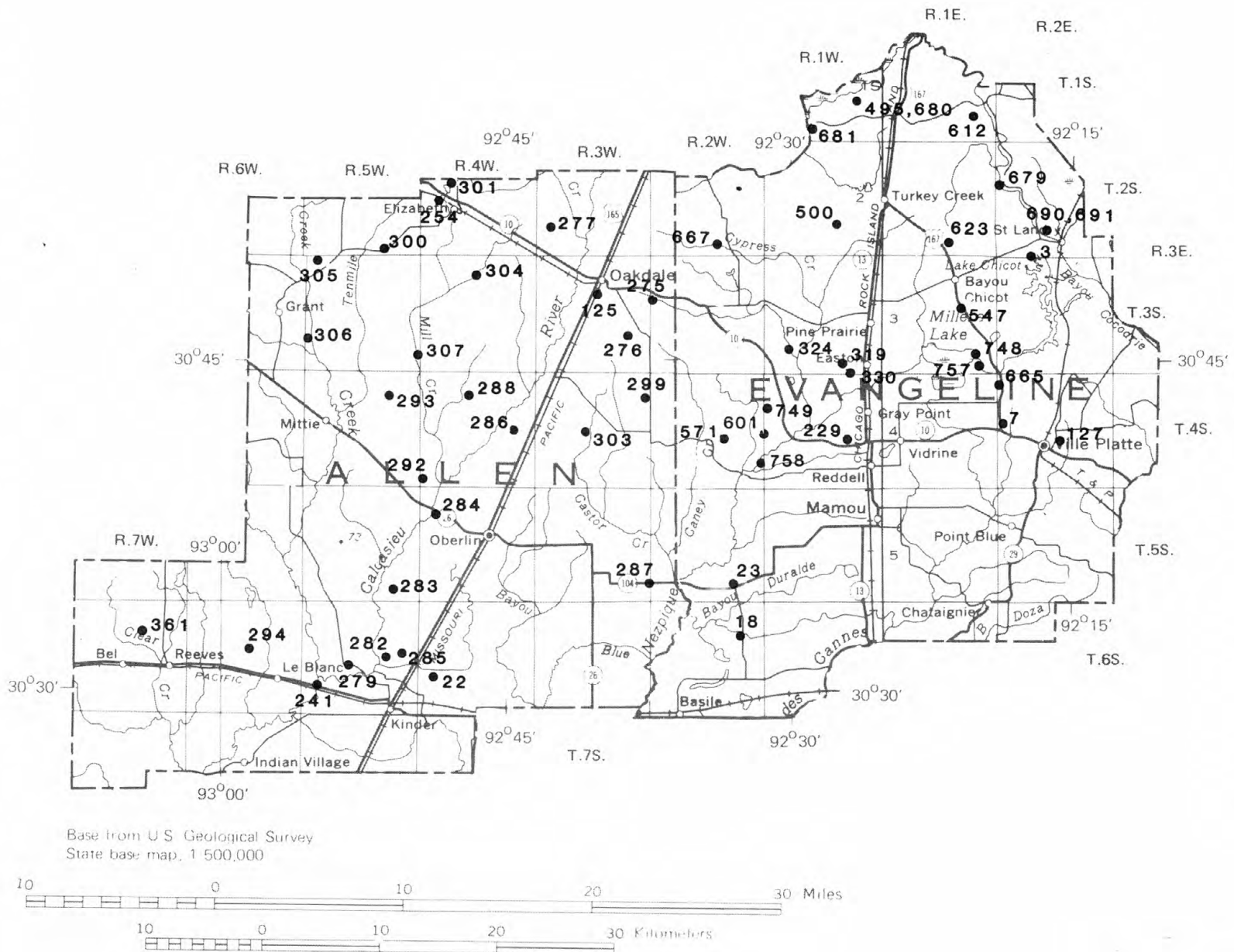
Oct. 1, 1982...	20.5	8.6	Apr. 19.....	15.5	8.9
Nov. 23.....	18.5	--	May 25.....	20.5	6.6
Dec. 28.....	15.0	--	July 6.....	26.0	5.4
Mar. 17, 1983...	14.5	--	Aug. 30.....	27.0	6.1

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

Oct. 13, 1982...	17.5	8.8	Apr. 20.....	16.0	9.2
Nov. 10.....	15.0	--	May 25.....	24.5	4.5
Nov. 16.....	14.0	--	July 7.....	25.5	3.6
Dec. 15.....	15.0	--	Aug. 29.....	26.5	--
Jan. 28, 1983...	10.0	--			



Figure 13.--Location of observation wells.





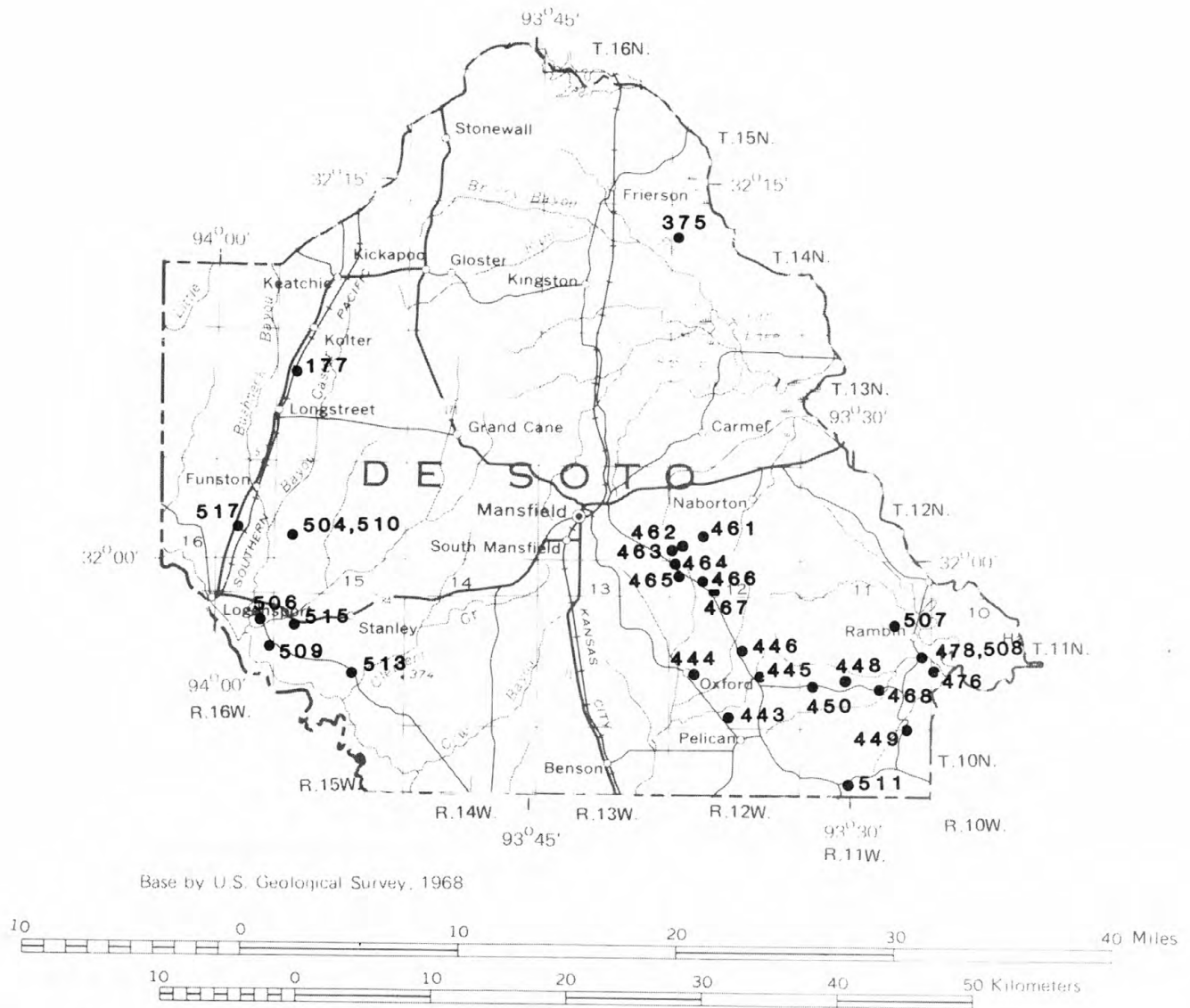


Figure 16.--Location of observation wells in De Soto Parish.

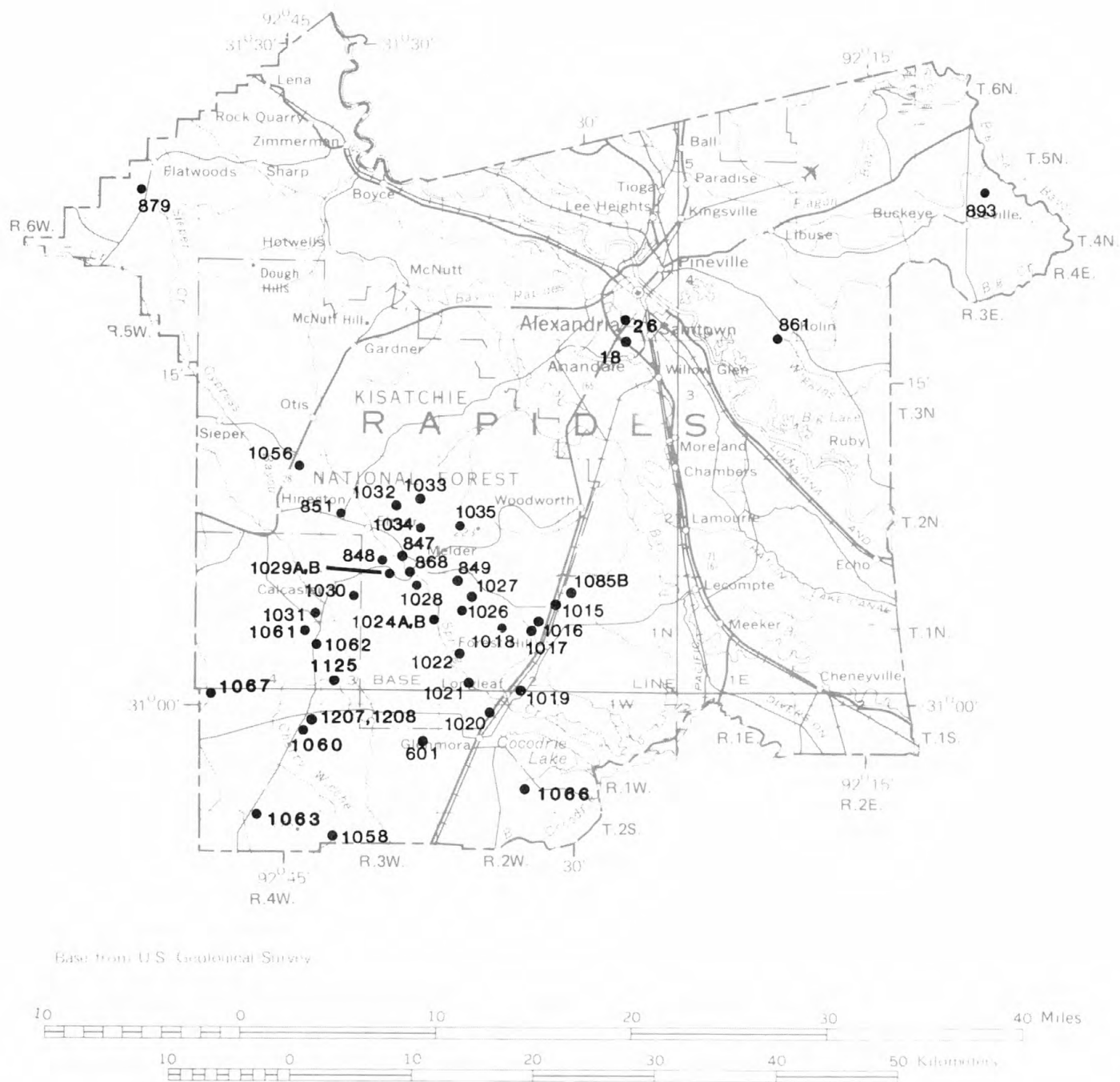


Figure 17.--Location of observation wells in Rapides Parish.

GROUND-WATER LEVELS

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ALLEN PARISH

303039092480701 LOCAL WELL NUMBER: AL-22

OWNER: F. B. ODOM. (SEC. 20, T. 6S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 271 FT, SCREENED 206-271. MP LOWER LIP OF DISCHARGE PIPE, 3.60 FT ABOVE LSD.

LSD 48.14 FT NGVD.

HIGHEST WATER LEVEL 30.65 BELOW LSD, APR. 25, 1947,

LOWEST WATER LEVEL 54.15 BELOW LSD, MAR. 5, 1981, APR. 5, 1983.

RECORDS AVAILABLE 1940, 1944-72, 1974-75, 1978, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 5, 1983	54.15						

304825092385001 LOCAL WELL NUMBER: AL-125

OWNER: M. D. HARGROVE. (SEC. 11, T. 3S., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 114 FT, SCREENED 108-114. MP TOP OF CASING, AT LSD.

LSD 120.42 FT NGVD.

HIGHEST WATER LEVEL 30.58 BELOW LSD, JAN. 27, 1947,

LOWEST WATER LEVEL 41.20 BELOW LSD, MAY 13, 1970.

RECORDS AVAILABLE 1947-78, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	38.80						

303004092541101 LOCAL WELL NUMBER: AL-241

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 6S., R. 5W.) BORED OBSERVATION SEMIARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62. MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.

LSD 42.97 FT NGVD.

HIGHEST WATER LEVEL 23.84 BELOW LSD, MAR. 21, 1961,

LOWEST WATER LEVEL 34.26 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1957-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	29.89	APR. 5, 1983	30.13				

305218092482001 LOCAL WELL NUMBER: AL-254

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2S., R. 4W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP INSIDE EDGE OF 1 1/4-IN CASING, 2.00 FT ABOVE LSD.

LSD 150.00 FT NGVD.

HIGHEST WATER LEVEL 43.74 BELOW LSD, MAR. 3, 1983,

LOWEST WATER LEVEL 78.54 BELOW LSD, FEB. 22, 1972.

RECORDS AVAILABLE 1966-72, 1974-79, 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	43.74						

304804092362801 LOCAL WELL NUMBER: AL-275

OWNER: MRS. RAYMOND BRABHAN. (SEC. 18, T. 3S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 5 IN, DEPTH 120 FT, SCREENED 110-120. MP TOP OF 3/4-IN AIRLINE, 2.90 FT ABOVE LSD.

LSD 111.00 FT NGVD.

HIGHEST WATER LEVEL 37.41 BELOW LSD, MAR. 5, 1976,

LOWEST WATER LEVEL 42.27 BELOW LSD, MAR. 18, 1983.

RECORDS AVAILABLE 1974, 1976-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	42.27						

304634092380301 LOCAL WELL NUMBER: AL-276

OWNER: PEARL FOYIL. (SEC. 24, T. 3S., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 119 FT, SCREENED 109-119. MP TOP OF PLASTIC PIPE, 3.10 FT ABOVE LSD.

LSD 110.00 FT NGVD.

HIGHEST WATER LEVEL 33.73 BELOW LSD, MAR. 7, 1979,

LOWEST WATER LEVEL 38.14 BELOW LSD, APR. 4, 1983.

RECORDS AVAILABLE 1972-74, 1976, 1979, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1983	38.14						

305127092413201 LOCAL WELL NUMBER: AL-277

OWNER: GOSPEL LIGHTHOUSE CHURCH. (SEC. 29, T. 2S., R. 3W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 90 FT, SCREENED 80-90. MP TOP OF 1/2-IN NIPPLE, 1.90 FT ABOVE LSD.

LSD 123.00 FT NGVD.

HIGHEST WATER LEVEL 24.43 BELOW LSD, MAR. 16, 1977,

LOWEST WATER LEVEL 25.73 BELOW LSD, MAR. 1, 1973.

RECORDS AVAILABLE 1973-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	24.86						

303116092524101 LOCAL WELL NUMBER: AL-279

OWNER: BARNEY LANGLEY. (SEC. 21, T. 6S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, DEPTH 250 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.20 FT ABOVE LSD.

LSD 40.00 FT NGVD.

HIGHEST WATER LEVEL 24.40 BELOW LSD, FEB. 26, 1974,

LOWEST WATER LEVEL 28.90 BELOW LSD, MAR. 6, 1981.

RECORDS AVAILABLE 1974, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 5, 1983	25.33						

303106092504001 LOCAL WELL NUMBER: AL-282

OWNER: LARRY HOLMAN. (SEC. 23, T. 6S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 115 FT, SCREENED 109-115. MP TOP OF CASING, 0.40 FT ABOVE LSD.

LSD 43.00 FT NGVD.

HIGHEST WATER LEVEL 35.88 BELOW LSD, FEB. 27, 1974,

LOWEST WATER LEVEL 39.07 BELOW LSD, APR. 5, 1983.

RECORDS AVAILABLE 1973-74, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 16, 1973	36.69	FEB. 27, 1974	35.88	APR. 5, 1983	39.07		

303443092502801 LOCAL WELL NUMBER: AL-283

OWNER: LON C. ROGERS. (SEC. 36, T. 5S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 93 FT, SCREENED 87-93. MP TOP OF 2-IN WHITE PLASTIC CASING, 0.70 FT ABOVE LSD.

LSD 62.00 FT NGVD.

HIGHEST WATER LEVEL 34.80 BELOW LSD, FEB. 27, 1974,

LOWEST WATER LEVEL 40.02 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1972, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 5, 1983	37.25						

GROUND-WATER LEVELS

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ALLEN PARISH

303813092480701 LOCAL WELL NUMBER: AL-284

OWNER: MARLER'S STORE. (SEC. 8, T. 5S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 64 FT, SCREENED 58-64. MP TOP OF 2-IN GALV. PIPE, 2.00 FT ABOVE LSD.

LSD 68.00 FT NGVD.

HIGHEST WATER LEVEL 34.83 BELOW LSD, FEB. 27, 1974,

LOWEST WATER LEVEL 39.13 BELOW LSD, NOV. 7, 1978.

RECORDS AVAILABLE 1973-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	37.65						

303127092493201 LOCAL WELL NUMBER: AL-285

OWNER: BOB'S GROCERY. (SEC. 13, T. 6S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 145 FT, SCREENED 135-145. MP TOP OF CASING, 5.35 FT ABOVE LSD.

LSD 48.00 FT NGVD.

HIGHEST WATER LEVEL 40.37 BELOW LSD, FEB. 28, 1974,

LOWEST WATER LEVEL 44.05 BELOW LSD, MAR. 6, 1981.

RECORDS AVAILABLE 1973-74, 1977, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1973	40.90	MAR. 15, 1977	41.97	MAR. 6, 1981	44.05	APR. 4, 1983	43.40
FEB. 28, 1974	40.37						

304223092435201 LOCAL WELL NUMBER: AL-286

OWNER: GORDON SCOTT. (SEC. 13, T. 4S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 89 FT, SCREENED 83-89. MP TOP OF CASING, 0.95 FT ABOVE LSD.

LSD 91.00 FT NGVD.

HIGHEST WATER LEVEL 34.54 BELOW LSD, FEB. 28, 1974,

LOWEST WATER LEVEL 36.65 BELOW LSD, APR. 4, 1983.

RECORDS AVAILABLE 1973-74, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 23, 1973	36.44	DEC. 14, 1973	35.13	FEB. 28, 1974	34.54	APR. 4, 1983	36.65

303502092365301 LOCAL WELL NUMBER: AL-287

OWNER: CURTIS GUIDRY. (SEC. 30, T. 5S., R. 2W.) DRILLED WATER-TABLE IRRIGATION WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 231 FT, SCREENED 160-231. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 46.00 FT NGVD.

HIGHEST WATER LEVEL 63.44 BELOW LSD, FEB. 28, 1974,

LOWEST WATER LEVEL 68.00 BELOW LSD, APR. 5, 1983.

RECORDS AVAILABLE 1974, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1974	63.44	APR. 8, 1977	66.69	APR. 5, 1983	68.00		

304305092454601 LOCAL WELL NUMBER: AL-288

OWNER: TOMMY DOYLE. (SEC. 10, T. 4S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 104 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN IRON PIPE, 0.50 FT ABOVE LSD.

LSD 83.00 FT NGVD.

HIGHEST WATER LEVEL 19.54 BELOW LSD, FEB. 28, 1974,

LOWEST WATER LEVEL 26.32 BELOW LSD, NOV. 17, 1976.

RECORDS AVAILABLE 1973-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1983	21.46						

304002092485501 LOCAL WELL NUMBER: AL-292

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 4S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 124 FT, SCREENED 119-124. MP TOP OF 2-IN GALV. PIPE, 2.30 FT ABOVE LSD.

LSD 70.00 FT NGVD.

HIGHEST WATER LEVEL 18.27 BELOW LSD, MAR. 11, 1976,

LOWEST WATER LEVEL 23.09 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	19.45						

304337092504001 LOCAL WELL NUMBER: AL-293

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 4S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 84 FT, SCREENED 79-84. MP TOP OF 2-IN GALV. PIPE, 1.60 FT ABOVE LSD.

LSD 100.00 FT NGVD.

HIGHEST WATER LEVEL 27.63 BELOW LSD, JUNE 19, 1975,

LOWEST WATER LEVEL 31.89 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	28.61						

303150092575601 LOCAL WELL NUMBER: AL-294

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 6S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 142 FT, SCREENED 137-142. MP TOP OF 2-IN GALV. PIPE, 3.50 FT ABOVE LSD.

LSD 48.00 FT NGVD.

HIGHEST WATER LEVEL 22.20 BELOW LSD, JUNE 19, 1975,

LOWEST WATER LEVEL 27.06 BELOW LSD, MAR. 5, 1981.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	22.60						

304354092361001 LOCAL WELL NUMBER: AL-299

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 4S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 122 FT, SCREENED 116-122. MP TOP OF 2-IN GALV. PIPE, 1.80 FT ABOVE LSD.

LSD 90.00 FT NGVD.

HIGHEST WATER LEVEL 37.94 BELOW LSD, AUG. 21, 1974,

LOWEST WATER LEVEL 40.43 BELOW LSD, APR. 4, 1983.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1983	40.43						

305010092510801 LOCAL WELL NUMBER: AL-300

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 2S., R. 5W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 152 FT, SCREENED 146-152. MP TOP OF 2-IN GALV. PIPE, 3.00 FT ABOVE LSD.

LSD 167.00 FT NGVD.

HIGHEST WATER LEVEL 61.92 BELOW LSD, NOV. 20, 1975,

LOWEST WATER LEVEL 65.88 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	64.18						

GROUND-WATER LEVELS

521

ALLEN PARISH

305327092472301 LOCAL WELL NUMBER: AL-301

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 2S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 160 FT, SCREENED 154-160. MP TOP OF 2-IN GALV. PIPE, 1.90 FT ABOVE LSD.

LSD 168.00 FT NGVD.

HIGHEST WATER LEVEL 53.39 BELOW LSD, MAR. 18, 1983,

LOWEST WATER LEVEL 59.70 BELOW LSD, MAR. 9, 1979.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	53.39						

304157092400001 LOCAL WELL NUMBER: AL-303

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 4S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 144 FT, SCREENED 139-144. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.

LSD 93.00 FT NGVD.

HIGHEST WATER LEVEL 57.45 BELOW LSD, FEB. 5, 1975,

LOWEST WATER LEVEL 60.36 BELOW LSD, APR. 4, 1983.

RECORDS AVAILABLE 1975-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1983	60.36						

304901092461601 LOCAL WELL NUMBER: AL-304

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 3S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 104 FT, SCREENED 99-104. MP TOP OF 2-IN GALV. PIPE, 2.50 FT ABOVE LSD.

LSD 114.00 FT NGVD.

HIGHEST WATER LEVEL 20.67 BELOW LSD, MAR. 4, 1976,

LOWEST WATER LEVEL 23.80 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	20.94						

304936092541501 LOCAL WELL NUMBER: AL-305

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 5W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 164 FT, SCREENED 158-164. MP TOP OF 2-IN GALV. PIPE, 1.80 FT ABOVE LSD.

LSD 162.00 FT NGVD.

HIGHEST WATER LEVEL 54.98 BELOW LSD, NOV. 20, 1975,

LOWEST WATER LEVEL 60.72 BELOW LSD, NOV. 16, 1977.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	58.78						

304601092550701 LOCAL WELL NUMBER: AL-306

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 3S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 107 FT, SCREENED 101-107. MP TOP OF 2-IN GALV. PIPE, 0.50 FT ABOVE LSD.

LSD 77.00 FT NGVD.

HIGHEST WATER LEVEL 3.35 BELOW LSD, MAR. 15, 1977,

LOWEST WATER LEVEL 9.97 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	6.68						

LOUISIANA - AVOYELLES PARISH

ALLEN PARISH

304533092490701 LOCAL WELL NUMBER: AL-307

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 3S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN GALV. PIPE, 2.80 FT ABOVE LSD.
 LSD 100.00 FT NGVD.
 HIGHEST WATER LEVEL 19.60 BELOW LSD, JUNE 19, 1975,
 LOWEST WATER LEVEL 23.53 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	21.13						

303217093033201 LOCAL WELL NUMBER: AL-361

OWNER: SHELTON FONTENOT. (SEC. 14, T. 6S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 6.10 FT ABOVE LSD.
 LSD 80.00 FT NGVD.
 HIGHEST WATER LEVEL 49.88 BELOW LSD, MAR. 17, 1983,
 LOWEST WATER LEVEL 50.76 BELOW LSD, MAR. 6, 1981.
 RECORDS AVAILABLE 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	49.88						

AVOYELLES PARISH

311006092081501 LOCAL WELL NUMBER: AV-163

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 1 1/4 IN, DEPTH 300 FT, SCREENED 295-300. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 78.00 FT NGVD.
 HIGHEST WATER LEVEL 23.65 BELOW LSD, APR. 15, 1975,
 LOWEST WATER LEVEL 39.72 BELOW LSD, OCT. 13, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	37.50	MAR. 1, 1983	30.91	MAY 24, 1983	30.85	SEP. 12, 1983	31.24
JAN. 19, 1983	31.27						

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 370 FT, SCREENED 320-370. MP TOP OF BREATHER PIPE, 2.00 FT ABOVE LSD.
 LSD 76.00 FT NGVD.
 HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966,
 LOWEST WATER LEVEL 90.44 BELOW LSD, DEC. 15, 1980.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	48.32C	MAR. 1, 1983	45.60	MAY 24, 1983	45.89	SEP. 12, 1983	81.48A

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNT'S CREEK MEMBER OF THE FLEMING FM. OF PLEISTOCENE-MIOCENE AGE, DIAM 1 1/4 IN, DEPTH 360 FT, SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 80.00 FT NGVD.
 HIGHEST WATER LEVEL 34.30 BELOW LSD, APR. 15, 1975,
 LOWEST WATER LEVEL 40.90 BELOW LSD, DEC. 10, 1981.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	40.79	MAR. 1, 1983	39.06	MAY 24, 1983	38.60	SEP. 12, 1983	38.95

See footnotes at end of table.

GROUND-WATER LEVELS

323

AVOUELLES PARISH

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 365-370. MP TOP OF CASING, 3.40 FT ABOVE LSD.

LSD 95.00 FT NGVD.

HIGHEST WATER LEVEL 55.05 BELOW LSD, JULY 18, 1973, JUNE 30, 1975,

LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1982	66.46	MAR. 16, 1983	63.86	MAY 25, 1983	63.12	SEP. 23, 1983	63.58

310321092103901 LOCAL WELL NUMBER: AV-307

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 409 FT, SCREENED 359-409. MP TOP OF STEEL PLATE, 1.00 FT ABOVE LSD.

LSD 70.00 FT NGVD.

HIGHEST WATER LEVEL 35.91 BELOW LSD, JUNE 20, 1966,

LOWEST WATER LEVEL 72.75 BELOW LSD, SEP. 18, 1981.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	47.81	MAR. 1, 1983	45.04	MAY 24, 1983	45.24	SEP. 12, 1983	69.89C

BEAUREGARD PARISH

303030093120501 LOCAL WELL NUMBER: BE-2

OWNER: SOUTHERN PACIFIC RR. (SEC. 29, T. 6S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 276 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN NIPPLE, 0.48 FT ABOVE LSD.

LSD 83.83 FT NGVD.

HIGHEST WATER LEVEL 41.54 BELOW LSD, APR. 27, 1944,

LOWEST WATER LEVEL 67.62 BELOW LSD, FEB. 26, 1973.

RECORDS AVAILABLE 1943-81, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	63.48						

305033093214601 LOCAL WELL NUMBER: BE-98

OWNER: SAVOY AUGUSTINE. (SEC. 35, T. 2S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 223 FT, SCREENED INTERVAL UNKNOWN. MP CRACK IN TOP WELDED TO CASING, 1.00 FT ABOVE LSD.

LSD 203.00 FT NGVD.

HIGHEST WATER LEVEL 32.80 BELOW LSD, APR. 22, 1969,

LOWEST WATER LEVEL 39.34 BELOW LSD, MAR. 29, 1971.

RECORDS AVAILABLE 1968-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	37.44						

304509093322201 LOCAL WELL NUMBER: BE-376

OWNER: MERRYVILLE WATER DEPT. (SEC. 36, T. 3S., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 450 FT, SCREENED 429-450. MP TOP OF 3/4-IN COUPLING, 1.10 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 0.55 BELOW LSD, JUNE 26, 1975,

LOWEST WATER LEVEL 4.00 BELOW LSD, JULY 24, 1978.

RECORDS AVAILABLE 1975-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	3.39						

See footnotes at end of table.

LOUISIANA - BEAUREGARD PARISH

304312093171201 LOCAL WELL NUMBER: BE-384

OWNER: O. M. GRANGER. (SEC. 16, T. 4S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 220 FT, SCREENED 170-220. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.

LSD 167.00 FT NGVD.

HIGHEST WATER LEVEL 52.82 BELOW LSD, JAN. 9, 1969,

LOWEST WATER LEVEL 66.82 BELOW LSD, NOV. 7, 1978.

RECORDS AVAILABLE 1967-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	54.26						

304500093325102 LOCAL WELL NUMBER: BE-387A

OWNER: MERRYVILLE WATER DEPT. (SEC. 1, T. 4S., R. 12W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN JASPER AQUIFER OF MIOCENE AGE, DIAM 4 IN, DEPTH 892 FT, SCREENED 872-892. MP VENT HOLE IN CASING SEAL, 0.30 FT BELOW LSD.

LSD 75.00 FT NGVD.

HIGHEST WATER LEVEL 2.27 BELOW LSD, MAR. 30, 1978,

LOWEST WATER LEVEL 3.95 BELOW LSD, OCT. 18, 1977.

RECORDS AVAILABLE 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	3.23						

305025093174201 LOCAL WELL NUMBER: BE-398

OWNER: CITY OF DERIDDER. (SEC. 33, T. 2S., R. 9W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 180 FT, SCREENED 130-180. MP EDGE OF COUPLING, 1.10 FT ABOVE LSD.

LSD 180.00 FT NGVD.

HIGHEST WATER LEVEL 24.82 BELOW LSD, MAR. 3, 1981,

LOWEST WATER LEVEL 38.48 BELOW LSD, OCT. 18, 1977.

RECORDS AVAILABLE 1977-78, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	29.45						

303100093411201 LOCAL WELL NUMBER: BE-400

OWNER: SINCLAIR OIL CO. (SEC. 27, T. 6S., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 165 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COUPLING, 2.80 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 32.71 BELOW LSD, FEB. 6, 1974,

LOWEST WATER LEVEL 41.73 BELOW LSD, NOV. 17, 1971.

RECORDS AVAILABLE 1968-81, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	33.50						

304444093013401 LOCAL WELL NUMBER: BE-429

OWNER: BEAUREGARD PARISH SCHOOL BOARD. (SEC. 6, T. 4S., R. 6W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 188 FT, SCREENED 168-188. MP PIPE FITTING ON SIDE OF CASING, 2.50 FT ABOVE LSD.

LSD 152.00 FT NGVD.

HIGHEST WATER LEVEL 59.17 BELOW LSD, MAR. 11, 1976,

LOWEST WATER LEVEL 61.70 BELOW LSD, MAR. 7, 1979.

RECORDS AVAILABLE 1974-76, 1979, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	60.77						

GROUND-WATER LEVELS

325

BEAUREGARD PARISH

303644093020401 LOCAL WELL NUMBER: BE-430

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 5S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 123 FT, SCREENED 118-123. MP TOP OF 2-IN GALV. PIPE, 3.00 FT ABOVE LSD.

LSD 120.00 FT NGVD.

HIGHEST WATER LEVEL 59.73 BELOW LSD, MAR. 2, 1976,

LOWEST WATER LEVEL 61.40 BELOW LSD, MAR. 7, 1979.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	60.85						

304055093024201 LOCAL WELL NUMBER: BE-431

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 4S., R. 7W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 84 FT, SCREENED 79-84. MP TOP OF 2-IN GALV. PIPE, 2.10 FT ABOVE LSD.

LSD 70.00 FT NGVD.

HIGHEST WATER LEVEL 0.55 BELOW LSD, MAR. 7, 1979,

LOWEST WATER LEVEL 7.42 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	2.99						

305044093014501 LOCAL WELL NUMBER: BE-432

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 2S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 124 FT, SCREENED 119-124. MP TOP OF 2-IN GALV. PIPE, 1.80 FT ABOVE LSD.

LSD 164.00 FT NGVD.

HIGHEST WATER LEVEL 32.60 BELOW LSD, MAY 7, 1974,

LOWEST WATER LEVEL 38.29 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	34.74						

305145093035601 LOCAL WELL NUMBER: BE-433

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 7W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 82 FT, SCREENED 77-82. MP TOP OF 2-IN GALV. PIPE, 3.70 FT ABOVE LSD.

LSD 132.00 FT NGVD.

HIGHEST WATER LEVEL 3.93 BELOW LSD, DEC. 4, 1975,

LOWEST WATER LEVEL 9.17 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	5.25						

305144093084501 LOCAL WELL NUMBER: BE-434

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 2S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 163 FT, SCREENED 158-163. MP TOP OF 2-IN GALV. PIPE, 1.60 FT ABOVE LSD.

LSD 201.00 FT NGVD.

HIGHEST WATER LEVEL 40.22 BELOW LSD, MAY 23, 1974,

LOWEST WATER LEVEL 44.66 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1983	43.18						

LOUISIANA - BEAUREGARD PARISH

305019093292401 LOCAL WELL NUMBER: BE-435

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 3S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 124 FT, SCREENED 119-124. MP TOP OF 2-IN GALV. PIPE, 3.90 FT ABOVE LSD.

LSD 129.00 FT NGVD.

HIGHEST WATER LEVEL 12.27 BELOW LSD, JULY 16, 1975,

LOWEST WATER LEVEL 17.60 BELOW LSD, MAR. 4, 1983.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	17.60						

305011093303801 LOCAL WELL NUMBER: BE-436

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 89 FT, SCREENED 84-89. MP TOP OF 2-IN GALV. PIPE, 2.30 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 1.44 ABOVE LSD, MAR. 4, 1983,

LOWEST WATER LEVEL 3.92 BELOW LSD, NOV. 7, 1978.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	+1.44						

304755093315801 LOCAL WELL NUMBER: BE-437

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 3S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 60 FT, SCREENED 55-60. MP TOP OF 2-IN GALV. PIPE, 5.60 FT ABOVE LSD.

LSD 90.00 FT NGVD.

HIGHEST WATER LEVEL 7.96 BELOW LSD, MAR. 4, 1983,

LOWEST WATER LEVEL 17.81 BELOW LSD, NOV. 9, 1976.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	7.96						

304320093314001 LOCAL WELL NUMBER: BE-438

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 4S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 145 FT, SCREENED 140-145. MP TOP OF 2-IN GALV. PIPE, 1.40 FT ABOVE LSD.

LSD 98.00 FT NGVD.

HIGHEST WATER LEVEL 8.54 BELOW LSD, MAR. 2, 1983,

LOWEST WATER LEVEL 14.82 BELOW LSD, NOV. 7, 1978.

RECORDS AVAILABLE 1974-78, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	8.54						

304556093142501 LOCAL WELL NUMBER: BE-439

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 189 FT, SCREENED 184-189. MP TOP OF 2-IN GALV. PIPE, 2.50 FT ABOVE LSD.

LSD 169.00 FT NGVD.

HIGHEST WATER LEVEL 46.77 BELOW LSD, DEC. 1, 1975,

LOWEST WATER LEVEL 50.07 BELOW LSD, NOV. 7, 1978.

RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	48.12						

See footnotes at end of table.

GROUND-WATER LEVELS

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BEAUREGARD PARISH

305251093211401 LOCAL WELL NUMBER: BE-440

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 2S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 169 FT, SCREENED 164-169. MP TOP OF 2-IN GALV. PIPE, 2.45 FT ABOVE LSD.
 LSD 212.00 FT NGVD.
 HIGHEST WATER LEVEL 39.22 BELOW LSD, NOV. 9, 1976,
 LOWEST WATER LEVEL 46.35 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1975-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	42.28						

304205093333101 LOCAL WELL NUMBER: BE-441

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 4S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 133 FT, SCREENED 128-133. MP TOP OF 2-IN GALV. PIPE, 2.80 FT ABOVE LSD.
 LSD 163.00 FT NGVD.
 HIGHEST WATER LEVEL 61.16 BELOW LSD, MAR. 7, 1978,
 LOWEST WATER LEVEL 66.19 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	63.58						

304248093232601 LOCAL WELL NUMBER: BE-442

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 144 FT, SCREENED 139-144. MP TOP OF 2-IN GALV. PIPE, 2.10 FT ABOVE LSD.
 LSD 150.00 FT NGVD.
 HIGHEST WATER LEVEL 38.47 BELOW LSD, DEC. 1, 1975,
 LOWEST WATER LEVEL 41.99 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	39.10						

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN GALV. PIPE, 2.40 FT ABOVE LSD.
 LSD 206.00 FT NGVD.
 HIGHEST WATER LEVEL 34.16 BELOW LSD, JUNE 26, 1975,
 LOWEST WATER LEVEL 37.47 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	35.62						

304941092584201 LOCAL WELL NUMBER: BE-445

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 3S., R. 6W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 98 FT, SCREENED 92-98. MP TOP OF 2-IN GALV. PIPE, 2.30 FT ABOVE LSD.
 LSD 135.00 FT NGVD.
 HIGHEST WATER LEVEL 21.42 BELOW LSD, MAR. 2, 1976,
 LOWEST WATER LEVEL 26.01 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 18, 1983	24.21						

LOUISIANA - BIENVILLE PARISH

BEAUREGARD PARISH

303933093353601 LOCAL WELL NUMBER: BE-446

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 5S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 157 FT, SCREENED 152-157. MP TOP OF 2-IN GALV. PIPE, 4.20 FT ABOVE LSD.
 LSD 83.00 FT NGVD.
 HIGHEST WATER LEVEL 23.07 BELOW LSD, JUNE 26, 1975,
 LOWEST WATER LEVEL 27.10 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	23.86						

304445093351701 LOCAL WELL NUMBER: BE-456

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 4S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN ALLUVIAL AQUIFER OF QUATERNARY AGE, DIAM 2 IN, DEPTH 83 FT, SCREENED 78-83. MP TOP OF 2-IN PIPE, 2.90 FT ABOVE LSD.
 LSD 70.00 FT NGVD.
 HIGHEST WATER LEVEL 6.31 BELOW LSD, MAR. 2, 1983,
 LOWEST WATER LEVEL 14.50 BELOW LSD, AUG. 26, 1980.
 RECORDS AVAILABLE 1977-81, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	6.31						

303606093384201 LOCAL WELL NUMBER: BE-457

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 5S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 155 FT, SCREENED 150-155. MP TOP OF 2-IN PIPE, 2.30 FT ABOVE LSD.
 LSD 95.00 FT NGVD.
 HIGHEST WATER LEVEL 43.78 BELOW LSD, MAR. 2, 1983,
 LOWEST WATER LEVEL 49.86 BELOW LSD, AUG. 26, 1980.
 RECORDS AVAILABLE 1977-81, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	43.78						

305211093303802 LOCAL WELL NUMBER: BE-464

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 23 FT, SCREENED 20-23. MP TOP OF CASING, 2.90 FT ABOVE LSD.
 LSD 91.55 FT NGVD.
 HIGHEST WATER LEVEL 6.50 BELOW LSD, MAR. 4, 1983,
 LOWEST WATER LEVEL 6.50 BELOW LSD, MAR. 4, 1983.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1983	6.50						

BIENVILLE PARISH

323240093032001 LOCAL WELL NUMBER: BI-2

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 490 FT, SCREENED 429-490. MP TOP OF CASING, 3.80 FT ABOVE LSD.
 LSD 260.00 FT NGVD.
 HIGHEST WATER LEVEL 45.68 BELOW LSD, MAR. 31, 1949,
 LOWEST WATER LEVEL 103.74 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	99.69	JAN. 28, 1983	99.24	MAY 16, 1983	91.54	JULY 22, 1983	84.35
NOV. 15	100.17	MAR. 1	94.32	JUNE 20	92.62	AUG. 26	95.32
JAN. 5, 1983	100.34	APR. 11	92.15				

GROUND-WATER LEVELS

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BIENVILLE PARISH

323251092551901 LOCAL WELL NUMBER: BI-4

OWNER: LOUISIANA GAS SERVICE CO. (SEC. 18, T. 18N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 585 FT, SCREENED 518-585. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 350.00 FT NGVD.
 HIGHEST WATER LEVEL 149.55 BELOW LSD, OCT. 9, 1940,
 LOWEST WATER LEVEL 228.75 BELOW LSD, JULY 1, 1977.
 RECORDS AVAILABLE 1940, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	199.22	FEB. 14, 1983	192.42	MAY 17, 1983	182.46	JULY 19, 1983	185.94
NOV. 18	203.08	MAR. 2	192.12	JUNE 21	182.49	SEP. 2	187.37
JAN. 5, 1983	200.25	APR. 15	185.78				

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN CO. (SEC. 16, T. 15N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, 4.35 FT ABOVE LSD.
 LSD 215.00 FT NGVD.
 HIGHEST WATER LEVEL 67.43 BELOW LSD, AUG. 5, 1966,
 LOWEST WATER LEVEL 112.89 BELOW LSD, MAR. 10, 1974.
 RECORDS AVAILABLE 1966, 1971-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	110.22	FEB. 3, 1983	107.74	MAY 16, 1983	109.99	JULY 21, 1983	107.55
NOV. 15	112.00	MAR. 3	111.49	JUNE 21	110.80	SEP. 7	110.65
DEC. 22	111.65	APR. 7	110.87				

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 320.00 FT NGVD.
 HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970,
 LOWEST WATER LEVEL 225.82 BELOW LSD, SEP. 16, 1982.
 RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1982	225.36	MAR. 2, 1983	222.05	MAY 17, 1983	221.35	JULY 19, 1983	221.77
JAN. 5, 1983	224.68	APR. 15	221.53	JUNE 21	221.43	SEP. 2	222.73
FEB. 14	218.14						

322343093211501 LOCAL WELL NUMBER: BI-214

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 159 FT, SCREENED 149-159. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 177.00 FT NGVD.
 HIGHEST WATER LEVEL 18.91 BELOW LSD, JULY 2, 1980,
 LOWEST WATER LEVEL 22.55 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	22.18	FEB. 3, 1983	21.57	MAY 24, 1983	20.11	AUG. 3, 1983	20.29
NOV. 15	22.43	MAR. 14	21.37	JUNE 24	19.94	SEP. 1	20.59
DEC. 23	21.60	APR. 14	20.20				

LOUISIANA - BIENVILLE PARISH

321616093184201 LOCAL WELL NUMBER: BI-215

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 244 FT, SCREENED 234-244. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 270.00 FT NGVD.
 HIGHEST WATER LEVEL 47.14 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 50.38 BELOW LSD, SEP. 2, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	49.39	FEB. 3, 1983	48.62	MAY 24, 1983	48.00	AUG. 3, 1983	48.44
NOV. 15	49.31	MAR. 14	48.28	JUNE 24	48.06	SEP. 1	48.64
DEC. 23	48.78	APR. 14	48.24				

322119092572301 LOCAL WELL NUMBER: BI-216

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 16N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 200.00 FT NGVD.
 HIGHEST WATER LEVEL 13.82 BELOW LSD, MAY 19, 1980,
 LOWEST WATER LEVEL 17.02 BELOW LSD, SEP. 4, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	16.85	FEB. 7, 1983	15.61	MAY 17, 1983	15.13	JULY 21, 1983	15.66
NOV. 12	16.86	MAR. 9	15.22	JUNE 21	15.19	SEP. 2	16.04
DEC. 23	16.92	APR. 14	16.12				

321616093184202 LOCAL WELL NUMBER: BI-234

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 73-76. MP TOP OF BUSHING, 2.90 FT ABOVE LSD.
 LSD 270.00 FT NGVD.
 HIGHEST WATER LEVEL 22.85 BELOW LSD, MAY 24, 1983,
 LOWEST WATER LEVEL 29.22 BELOW LSD, JAN. 18, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	29.14	FEB. 3, 1983	25.21	MAY 24, 1983	22.85	AUG. 3, 1983	25.33
NOV. 15	28.64	MAR. 14	23.35	JUNE 24	24.07	SEP. 1	25.94
DEC. 23	26.50						

321844093242601 LOCAL WELL NUMBER: BI-237

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 15N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 171 FT, SCREENED 161-171. MP TOP OF BUSHING, AT LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 85.36 BELOW LSD, SEP. 1, 1981,
 LOWEST WATER LEVEL 89.98 BELOW LSD, NOV. 15, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	89.50	FEB. 23, 1983	88.68	MAY 24, 1983	87.35	AUG. 3, 1983	87.14
NOV. 15	89.98	MAR. 14	87.68	JUNE 24	87.31	SEP. 1	87.15
JAN. 5, 1983	89.16	APR. 14	88.52				

322330093165201 LOCAL WELL NUMBER: BI-238

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 16N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARRIZO SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 167 FT, SCREENED 157-167. MP TOP OF BUSHING, AT LSD.
 LSD 265.00 FT NGVD.
 HIGHEST WATER LEVEL 60.05 BELOW LSD, SEP. 1, 1981,
 LOWEST WATER LEVEL 62.65 BELOW LSD, FEB. 3, 1983.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	62.60	FEB. 3, 1983	62.65	MAY 24, 1983	60.52	AUG. 3, 1983	60.79
NOV. 15	62.28	MAR. 14	62.53	JUNE 24	60.44	SEP. 1	61.10
DEC. 23	62.05	APR. 14	60.67				

GROUND-WATER LEVELS

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BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: LOUISIANA STATE UNIVERSITY RED RIVER VALLEY EXPERIMENT STATION. (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 4 IN, DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BUSHING, 1.05 FT ABOVE LSD.
 LSD 155.42 FT NGVD.
 HIGHEST WATER LEVEL 10.59 BELOW LSD, JUNE 10, 1958,
 LOWEST WATER LEVEL 25.68 BELOW LSD, NOV. 27, 1978.
 RECORDS AVAILABLE 1955-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1982	20.37	MAR. 11, 1983	17.58	JUNE 3, 1983	18.98	SEP. 8, 1983	18.57

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, AT LSD.
 LSD 200.00 FT NGVD.
 HIGHEST WATER LEVEL 7.74 BELOW LSD, MAR. 9, 1983,
 LOWEST WATER LEVEL 16.18 BELOW LSD, SEP. 1, 1982.
 RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1983	13.38	MAR. 9, 1983	7.74	JUNE 21, 1983	13.46	AUG. 31, 1983	14.60

323840093272001 LOCAL WELL NUMBER: BO-336

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 19N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.40 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 26.78 BELOW LSD, JULY 11, 1974,
 LOWEST WATER LEVEL 41.17 BELOW LSD, AUG. 20, 1981.
 RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1983	31.82	MAR. 9, 1983	31.58	JUNE 22, 1983	32.58	AUG. 31, 1983	32.03

CADD0 PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 54 FT, SCREENED 51-54. MP TOP OF CASING, 1.30 FT ABOVE LSD.
 LSD 189.71 FT NGVD.
 HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975,
 LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1982	13.98	JAN. 4, 1983	9.94	APR. 5, 1983	9.98	JULY 6, 1983	11.12
NOV. 2	14.09	FEB. 2	10.56	MAY 3	10.57	AUG. 2	11.66
DEC. 7	13.05	MAR. 9	9.60	JUNE 1	10.68	SEP. 7	12.18

LOUISIANA - CLAIBORNE PARISH

CALDWELL PARISH

320154092164602 LOCAL WELL NUMBER: CA-86A

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 288 FT, SCREENED 278-288. MP TOP OF CASING, 2.83 FT ABOVE LSD.

LSD 160.00 FT NGVD.

HIGHEST WATER LEVEL 48.45 BELOW LSD, JAN. 13, 1976,

LOWEST WATER LEVEL 57.97 BELOW LSD, MAY 26, 1982.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1982	52.64C	MAR. 17, 1983	51.35C	JULY 8, 1983	50.43	SEP. 14, 1983	52.48C
DEC. 15	52.50C						

320154092164601 LOCAL WELL NUMBER: CA-86B

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 545 FT, SCREENED 535-545. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 160.00 FT NGVD.

HIGHEST WATER LEVEL 77.30 BELOW LSD, MAR. 13, 1979, AUG. 6, 1979,

LOWEST WATER LEVEL 85.76 BELOW LSD, DEC. 10, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1982	78.59	MAR. 17, 1983	78.53	JULY 8, 1983	78.90	SEP. 14, 1983	78.88
DEC. 15	78.64						

CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD. (AFTER JAN. 1979, WATER LEVELS MAY BE AFFECTED BY PUMPAGE FROM DEWATERING WELLS AT LOCK AND DAM 1.)

LSD 50.00 FT NGVD.

HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975,

LOWEST WATER LEVEL 57.00 BELOW LSD, DEC. 29, 1980.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1982	45.00	APR. 12, 1983	45.12	MAY 24, 1983	36.60	SEP. 1, 1983	44.50
DEC. 14	46.39	APR. 19	37.63	JULY 6	39.13	SEP. 26	45.38
MAR. 16, 1983	36.05						

CLAIBORNE PARISH

325752093082701 LOCAL WELL NUMBER: CL-9

OWNER: TOWN OF HAYNESVILLE. (SEC. 24, T. 23N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 670 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN COLLAR, 1.40 FT ABOVE LSD.

LSD 360.00 FT NGVD.

HIGHEST WATER LEVEL 212.45 BELOW LSD, DEC. 20, 1961,

LOWEST WATER LEVEL 278.37 BELOW LSD, AUG. 28, 1980.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1983	264.82	MAR. 1, 1983	265.03	JUNE 20, 1983	267.70	AUG. 23, 1983	274.07

See footnotes at end of table.

GROUND-WATER LEVELS

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CLAIBORNE PARISH

324707093025001 LOCAL WELL NUMBER: CL-58

OWNER: TOWN OF HOMER. (SEC. 25, T. 21N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 482 FT, SCREENED 432-482. MP TOP OF 1-IN PIPE, 2.80 FT ABOVE LSD.

LSD 250.00 FT NGVD.

HIGHEST WATER LEVEL 95.64 BELOW LSD, JAN. 8, 1958,

LOWEST WATER LEVEL 141.19 BELOW LSD, AUG. 15, 1962.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1983	138.93	AUG. 26, 1983	140.17				

323943092573601 LOCAL WELL NUMBER: CL-136

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 19N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 835 FT, SCREENED 825-835. MP TOP OF CASING, 3.50 FT ABOVE LSD.

LSD 405.00 FT NGVD.

HIGHEST WATER LEVEL 297.80 BELOW LSD, JUNE 26, 1974,

LOWEST WATER LEVEL 311.14 BELOW LSD, MAR. 2, 1983.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	311.14						

325706092591001 LOCAL WELL NUMBER: CL-137

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 639 FT, SCREENED 629-639. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 280.00 FT NGVD.

HIGHEST WATER LEVEL 211.44 BELOW LSD, MAY 14, 1975,

LOWEST WATER LEVEL 223.03 BELOW LSD, AUG. 26, 1983.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1983	222.42	AUG. 26, 1983	223.03				

323908093093101 LOCAL WELL NUMBER: CL-138

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 661 FT, SCREENED 651-661. MP TOP OF CASING, 3.80 FT ABOVE LSD.

LSD 380.00 FT NGVD.

HIGHEST WATER LEVEL 206.29 BELOW LSD, JULY 15, 1975,

LOWEST WATER LEVEL 216.05 BELOW LSD, AUG. 30, 1982.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1983	215.83	MAR. 1, 1983	215.08	JUNE 20, 1983	214.91	AUG. 26, 1983	215.68

325437092503301 LOCAL WELL NUMBER: CL-148

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 22N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 625 FT, SCREENED 615-625. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 190.00 FT NGVD.

HIGHEST WATER LEVEL 171.03 BELOW LSD, JUNE 23, 1980,

LOWEST WATER LEVEL 180.53 BELOW LSD, AUG. 31, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1982	180.41	DEC. 20, 1982	179.63	MAR. 1, 1983	179.97	MAY 19, 1983	179.75
NOV. 12	180.43	FEB. 11, 1983	179.67	APR. 12	179.82	JUNE 20	180.06

LOUISIANA - DE SOTO PARISH

CLAIBORNE PARISH

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 230.00 FT NGVD.
 HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,
 LOWEST WATER LEVEL 270.36 BELOW LSD, SEP. 6, 1983.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1983	268.80	SEP. 6, 1983	270.36				

324908092443501 LOCAL WELL NUMBER: CL-151

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 21N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 719 FT, SCREENED 709-719. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 180.00 FT NGVD.
 HIGHEST WATER LEVEL 180.24 BELOW LSD, MAY 20, 1980,
 LOWEST WATER LEVEL 190.37 BELOW LSD, SEP. 6, 1983.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1982	188.42	FEB. 11, 1983	187.77	MAY 19, 1983	187.88	JULY 20, 1983	187.25
NOV. 12	188.38	MAR. 1	187.82	JUNE 20	188.11	SEP. 6	190.37
DEC. 20	187.25	APR. 12	188.15				

CONCORDIA PARISH

313604091481901 LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM. (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 4 IN, DEPTH 700 FT, SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
 LSD 55.00 FT NGVD.
 HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970,
 LOWEST WATER LEVEL 42.40 BELOW LSD, MAY 25, 1982.
 RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1982	26.08C	MAR. 16, 1983	25.77	MAY 24, 1983	26.95	AUG. 31, 1983	41.88A
DEC. 14	31.10A	APR. 12	41.63A	JULY 7	28.63	SEP. 13	42.00A
JAN. 25, 1983	32.67C						

DE SOTO PARISH

320731093561901 LOCAL WELL NUMBER: DS-177

OWNER: HOWARD DENNISON. (SEC. 7, T. 13N., R. 15W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 4 IN, DEPTH 350 FT, CASING SLOTTED 290-350. MP TOP OF CASING, 1.05 FT ABOVE LSD.
 LSD 300.00 FT NGVD.
 HIGHEST WATER LEVEL 36.13 BELOW LSD, MAY 27, 1962,
 LOWEST WATER LEVEL 61.28 BELOW LSD, DEC. 19, 1979.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1983	60.99	MAR. 1, 1983	60.87	JUNE 1, 1983	59.23	SEP. 28, 1983	60.35

See footnotes at end of table.

GROUND-WATER LEVELS

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DE SOTO PARISH

321311093380501 LOCAL WELL NUMBER: DS-375

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 14N., R. 12W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 90-94. MP TOP OF CASING, 4.80 FT ABOVE LSD.
 LSD 180.00 FT NGVD.
 HIGHEST WATER LEVEL 41.70 BELOW LSD, APR. 25, 1975, JUNE 2, 1981,
 LOWEST WATER LEVEL 43.94 BELOW LSD, DEC. 7, 1982.
 RECORDS AVAILABLE 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	43.94	MAR. 8, 1983	43.47	SEP. 6, 1983	43.22		

315345093355801 LOCAL WELL NUMBER: DS-443

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 304 FT, SCREENED 294-304. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 280.00 FT NGVD.
 HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 64.34 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	63.59	MAR. 2, 1983	63.33	MAY 31, 1983	63.32	SEP. 28, 1983	64.23

315545093372601 LOCAL WELL NUMBER: DS-444

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF CASING, AT LSD (SINCE 4/19/83).
 LSD 305.00 FT NGVD.
 HIGHEST WATER LEVEL 58.59 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 61.11 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	60.79	JAN. 10, 1983	60.03	MAY 31, 1983	59.55	AUG. 24, 1983	60.34
DEC. 13	60.70	APR. 19	59.35	JULY 14	59.78	SEP. 28	60.75

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 140 FT, SCREENED 130-140. MP TOP OF CASING, 3.60 FT ABOVE LSD.
 LSD 305.00 FT NGVD.
 HIGHEST WATER LEVEL 78.13 BELOW LSD, MAY 15, 1978,
 LOWEST WATER LEVEL 82.88 BELOW LSD, SEP. 28, 1983.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	81.95	MAR. 2, 1983	81.88	MAY 31, 1983	81.97	SEP. 28, 1983	82.88

315629093352601 LOCAL WELL NUMBER: DS-446

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 220 FT, SCREENED 210-220. MP TOP OF CASING, 3.85 FT ABOVE LSD.
 LSD 340.00 FT NGVD.
 HIGHEST WATER LEVEL 91.12 BELOW LSD, MAY 15, 1978,
 LOWEST WATER LEVEL 93.72 BELOW LSD, AUG. 24, 1982.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	93.35	MAR. 2, 1983	93.11	MAY 31, 1983	92.47	SEP. 28, 1983	93.23

LOUISIANA - DE SOTO PARISH

315459093302001 LOCAL WELL NUMBER: DS-448

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 230 FT, SCREENED 220-230. MP TOP OF CASING, 3.63 FT ABOVE LSD.
 LSD 270.00 FT NGVD.
 HIGHEST WATER LEVEL 124.22 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 126.48 BELOW LSD, AUG. 24, 1981.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	125.43	MAR. 2, 1983	124.94	MAY 31, 1983	124.67	SEP. 28, 1983	125.79

315318093274201 LOCAL WELL NUMBER: DS-449

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 240 FT, SCREENED 230-240. MP TOP OF CASING, 3.25 FT ABOVE LSD.
 LSD 230.00 FT NGVD.
 HIGHEST WATER LEVEL 88.64 BELOW LSD, APR. 16, 1979,
 LOWEST WATER LEVEL 92.44 BELOW LSD, DEC. 18, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 13, 1983	89.44	MAR. 2, 1983	88.85	MAY 31, 1983	88.95	SEP. 28, 1983	90.77

315509093320901 LOCAL WELL NUMBER: DS-450

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 262 FT, SCREENED 252-262. MP TOP OF CASING, 4.10 FT ABOVE LSD.
 LSD 290.00 FT NGVD.
 HIGHEST WATER LEVEL 127.21 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 129.55 BELOW LSD, AUG. 24, 1981.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	128.33	MAR. 2, 1983	128.00	MAY 21, 1983	127.63	SEP. 28, 1983	128.53

320059093363701 LOCAL WELL NUMBER: DS-461

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 55-60. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 365.00 FT NGVD.
 HIGHEST WATER LEVEL 41.03 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 43.46 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	42.20	MAR. 2, 1983	42.24	MAY 31, 1983	41.89	SEP. 28, 1983	42.41

320045093374601 LOCAL WELL NUMBER: DS-462

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 57-62. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 330.00 FT NGVD.
 HIGHEST WATER LEVEL 29.90 BELOW LSD, JAN. 10, 1983,
 LOWEST WATER LEVEL 37.94 BELOW LSD, JAN. 27, 1981, MAR. 11, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	29.90	MAR. 2, 1983	31.69	MAY 31, 1983	31.81	SEP. 28, 1983	35.24

GROUND-WATER LEVELS

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DE SOTO PARISH

320029093383701 LOCAL WELL NUMBER: DS-463

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 79 FT, SCREENED 74-79. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 345.00 FT NGVD.
 HIGHEST WATER LEVEL 31.31 BELOW LSD, MAY 24, 1979,
 LOWEST WATER LEVEL 41.64 BELOW LSD, SEP. 21, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	37.43	MAR. 2, 1983	36.27	MAY 31, 1983	35.79	SEP. 28, 1983	40.49

320000093383101 LOCAL WELL NUMBER: DS-464

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 350.00 FT NGVD.
 HIGHEST WATER LEVEL 15.48 BELOW LSD, MAR. 2, 1983,
 LOWEST WATER LEVEL 24.59 BELOW LSD, DEC. 15, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	15.97	MAR. 2, 1983	15.48	MAY 31, 1983	16.64	SEP. 28, 1983	22.44

315929093380301 LOCAL WELL NUMBER: DS-465

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 46 FT, SCREENED 41-46. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 310.00 FT NGVD.
 HIGHEST WATER LEVEL 9.48 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 13.44 BELOW LSD, MAR. 11, 1981.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	10.98	MAR. 2, 1983	10.10	MAY 31, 1983	9.76	SEP. 28, 1983	10.99

315902093371201 LOCAL WELL NUMBER: DS-466

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 80 FT, SCREENED 77-80. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 345.00 FT NGVD.
 HIGHEST WATER LEVEL 42.00 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 44.78 BELOW LSD, JAN. 25, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	43.47	MAR. 2, 1983	42.87	MAY 31, 1983	42.20	SEP. 28, 1983	43.32

315836093363801 LOCAL WELL NUMBER: DS-467

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 345.00 FT NGVD.
 HIGHEST WATER LEVEL 42.52 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 44.80 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	43.95	MAR. 2, 1983	43.59	MAY 31, 1983	43.40	SEP. 28, 1983	44.60

LOUISIANA - DE SOTO PARISH

315501093282901 LOCAL WELL NUMBER: DS-468

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 117 FT, SCREENED 114-117. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 145.00 FT NGVD.
 HIGHEST WATER LEVEL 5.49 BELOW LSD, MAR. 28, 1983,
 LOWEST WATER LEVEL 9.83 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 10, 1983	6.19	MAR. 28, 1983	5.49	MAY 31, 1983	6.07	SEP. 28, 1983	8.98

315709093252501 LOCAL WELL NUMBER: DS-476

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 11N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 84-87. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
 LSD 130.00 FT NGVD.
 HIGHEST WATER LEVEL 7.83 BELOW LSD, MAR. 7, 1983,
 LOWEST WATER LEVEL 14.68 BELOW LSD, SEP. 29, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1983	7.83	MAY 2, 1983	8.66	JULY 11, 1983	8.84	AUG. 1, 1983	9.37

315801093265501 LOCAL WELL NUMBER: DS-478

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 55 FT, SCREENED 52-55. MP TOP OF BUSHING, AT LSD.
 LSD 130.00 FT NGVD.
 HIGHEST WATER LEVEL 7.23 BELOW LSD, JUNE 6, 1983,
 LOWEST WATER LEVEL 14.19 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1983	8.40	JUNE 6, 1983	7.23	AUG. 1, 1983	8.32	SEP. 12, 1983	10.85
MAY 2	8.05	JULY 11	7.86				

320118093555601 LOCAL WELL NUMBER: DS-504

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 260 FT, SCREENED 250-260. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
 LSD 280.00 FT NGVD.
 HIGHEST WATER LEVEL 67.56 BELOW LSD, JULY 13, 1983,
 LOWEST WATER LEVEL 70.70 BELOW LSD, APR. 20, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1982	68.67	JAN. 11, 1983	67.92	APR. 20, 1983	67.61	JULY 13, 1983	67.56
NOV. 17	69.29	MAR. 2	67.76	JUNE 1	67.57	AUG. 25	67.87
DEC. 14	68.16						

315818093575202 LOCAL WELL NUMBER: DS-506

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 56 FT, SCREENED 53-56. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
 LSD 200.00 FT NGVD.
 HIGHEST WATER LEVEL 14.08 BELOW LSD, APR. 23, 1980,
 LOWEST WATER LEVEL 18.54 BELOW LSD, AUG. 25, 1981.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1982	18.31	JAN. 12, 1983	16.66	APR. 20, 1983	15.48	JULY 13, 1983	16.12
DEC. 14	17.66	MAR. 2	15.68	JUNE 1	15.63	AUG. 25	17.01

GROUND-WATER LEVELS

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DE SOTO PARISH

315722093280501 LOCAL WELL NUMBER: DS-507

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 52 FT, SCREENED 49-52. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 140.00 FT NGVD.
 HIGHEST WATER LEVEL 11.88 BELOW LSD, MAY 29, 1980,
 LOWEST WATER LEVEL 16.32 BELOW LSD, AUG. 24, 1981.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1982	16.14	JAN. 10, 1983	13.83	APR. 19, 1983	12.52	JULY 12, 1983	13.17
DEC. 13	15.10	MAR. 3	12.71	MAY 31	12.12	AUG. 24	13.85

315558093270401 LOCAL WELL NUMBER: DS-508

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 11N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 89 FT, SCREENED 86-89. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 190.00 FT NGVD.
 HIGHEST WATER LEVEL 49.52 BELOW LSD, MAY 29, 1980,
 LOWEST WATER LEVEL 53.10 BELOW LSD, JAN. 25, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1982	52.94	JAN. 10, 1983	51.93	APR. 19, 1983	50.09	JULY 12, 1983	50.06
DEC. 13	52.26	MAR. 3	50.88	MAY 31	49.94	AUG. 24	50.55

315653093571302 LOCAL WELL NUMBER: DS-509

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 139 FT, SCREENED 136-139. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
 LSD 205.00 FT NGVD.
 HIGHEST WATER LEVEL 19.78 BELOW LSD, MAY 27, 1980,
 LOWEST WATER LEVEL 22.90 BELOW LSD, DEC. 16, 1981.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1982	22.00	JAN. 12, 1983	22.46	APR. 20, 1983	21.21	JULY 13, 1983	21.43
DEC. 14	21.92	MAR. 2	21.47	JUNE 1	21.12	AUG. 25	21.66

320118093555602 LOCAL WELL NUMBER: DS-510

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 170 FT, SCREENED 167-170. MP TOP OF BUSHING, 4.30 FT ABOVE LSD.
 LSD 280.00 FT NGVD.
 HIGHEST WATER LEVEL 44.42 BELOW LSD, JULY 1, 1980,
 LOWEST WATER LEVEL 45.99 BELOW LSD, MAR. 10, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1982	45.57	JAN. 11, 1983	45.43	APR. 20, 1983	44.98	JULY 13, 1983	44.98
DEC. 14	45.52	MAR. 2	45.07	JUNE 1	44.83	AUG. 25	45.10

315113093302501 LOCAL WELL NUMBER: DS-511

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 350 FT, SCREENED 340-350. MP TOP OF BUSHING, AT LSD.
 LSD 330.00 FT NGVD.
 HIGHEST WATER LEVEL 140.05 BELOW LSD, JULY 22, 1981,
 LOWEST WATER LEVEL 143.00 BELOW LSD, AUG. 24, 1981.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	142.59	JAN. 13, 1983	141.84	APR. 19, 1983	141.63	JULY 12, 1983	141.93
DEC. 13	141.96	MAR. 2	141.70	MAY 31	141.59	AUG. 24	142.01

LOUISIANA - EAST CARROLL PARISH

DE SOTO PARISH

315540093534001 LOCAL WELL NUMBER: DS-513

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 11N., R. 15W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 78 FT, SCREENED 76-78. MP TOP OF BUSHING, AT LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 20.68 BELOW LSD, JUNE 1, 1983, JULY 13, 1983,

LOWEST WATER LEVEL 23.14 BELOW LSD, NOV. 17, 1982.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 20, 1982	22.22	NOV. 17, 1982	23.14	FEB. 28, 1983	21.06	JULY 13, 1983	20.68
AUG. 19	22.73	DEC. 14	22.40	APR. 20	20.91	AUG. 25	21.26
NOV. 2	22.85	JAN. 12, 1983	22.03	JUNE 1	20.68		

315736093561401 LOCAL WELL NUMBER: DS-515

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 11N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 147 FT, SCREENED 145-147. MP TOP OF BUSHING, AT LSD.

LSD 200.00 FT NGVD.

HIGHEST WATER LEVEL 26.98 BELOW LSD, APR. 20, 1983,

LOWEST WATER LEVEL 30.58 BELOW LSD, JAN. 12, 1983.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 20, 1982	28.49	NOV. 17, 1982	30.13	MAR. 2, 1983	27.43	JULY 13, 1983	27.94
AUG. 19	29.23	DEC. 14	29.78	APR. 20	26.98	AUG. 25	28.44
OCT. 5	30.08	JAN. 12, 1983	30.58	JUNE 1	27.44		

320153093583601 LOCAL WELL NUMBER: DS-517

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 12N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 131 FT, SCREENED 129-131. MP TOP OF BUSHING, AT LSD.

LSD 225.00 FT NGVD.

HIGHEST WATER LEVEL 15.54 BELOW LSD, MAR. 2, 1983,

LOWEST WATER LEVEL 17.41 BELOW LSD, AUG. 25, 1983.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 20, 1982	16.58	NOV. 17, 1982	16.80	MAR. 2, 1983	15.54	JULY 13, 1983	16.70
AUG. 18	16.55	DEC. 14	15.86	APR. 20	15.98	AUG. 25	17.41
OCT. 5	16.76	JAN. 12, 1983	15.74	JUNE 1	16.02		

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 97.00 FT NGVD.

HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,

LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.

RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	19.22	MAR. 14, 1983	12.17	JUNE 15, 1983	1.54	SEP. 8, 1983	13.77

325100091132401 LOCAL WELL NUMBER: EC-89

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 335 FT, SCREENED 330-335. MP TOP OF CASING, 0.72 FT ABOVE LSD.

LSD 106.05 FT NGVD.

HIGHEST WATER LEVEL 13.53 BELOW LSD, MAY 14, 1958,

LOWEST WATER LEVEL 23.55 BELOW LSD, SEP. 3, 1980.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	14.83	MAR. 14, 1983	15.58	JUNE 15, 1983	15.82	SEP. 8, 1983	20.28

GROUND-WATER LEVELS

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EAST CARROLL PARISH

325100091132402 LOCAL WELL NUMBER: EC-90

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 0.75 FT ABOVE LSD.

LSD 106.05 FT NGVD.

HIGHEST WATER LEVEL 13.31 BELOW LSD, MAR. 22, 1973,

LOWEST WATER LEVEL 23.79 BELOW LSD, AUG. 18, 1981.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1982	18.69	MAR. 14, 1983	16.95	JUNE 15, 1983	16.12	SEP. 8, 1983	22.91

EVANGELINE PARISH

305017092170801 LOCAL WELL NUMBER: EV-3

OWNER: LA. OFF. STATE PARKS. (IRREG. SEC. 33, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 174 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING FLANGE, 1.55 FT ABOVE LSD.

LSD 75.21 FT NGVD.

HIGHEST WATER LEVEL 30.92 BELOW LSD, MAR. 12, 1946,

LOWEST WATER LEVEL 40.82 BELOW LSD, FEB. 23, 1981.

RECORDS AVAILABLE 1940, 1944-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	40.77						

304249092183601 LOCAL WELL NUMBER: EV-7

OWNER: R. E. DUPRE. (IRREG. SEC. 8, T. 4S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.30 FT ABOVE LSD.

LSD 76.34 FT NGVD.

HIGHEST WATER LEVEL 67.50 BELOW LSD, APR. 21, 1950,

LOWEST WATER LEVEL 99.86 BELOW LSD, FEB. 17, 1971.

RECORDS AVAILABLE 1950-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	92.86						

303301092315801 LOCAL WELL NUMBER: EV-18

OWNER: L. J. LEFLEUR AND OTHERS. (SEC. 12, T. 6S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 275 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.05 FT ABOVE LSD.

LSD 44.70 FT NGVD.

HIGHEST WATER LEVEL 33.81 BELOW LSD, APR. 22, 1944,

LOWEST WATER LEVEL 83.39 BELOW LSD, AUG. 28, 1962.

RECORDS AVAILABLE 1944-72, 1974-78, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	81.27						

303521092325001 LOCAL WELL NUMBER: EV-23

OWNER: ADA M. SOILEAU. (IRREG. SEC. 26, T. 5S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 360 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN PIPE, 0.14 FT ABOVE LSD.

LSD 51.06 FT NGVD.

HIGHEST WATER LEVEL 37.94 BELOW LSD, MAR. 13, 1947,

LOWEST WATER LEVEL 83.98 BELOW LSD, MAR. 8, 1977.

RECORDS AVAILABLE 1946-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	79.99						

LOUISIANA - EVANGELINE PARISH

304156092155301 LOCAL WELL NUMBER: EV-127

OWNER: LUCY V. DARDEAU. (IRREG. SEC. 49, T. 4S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 230 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 6.25 FT ABOVE LSD.

LSD 78.67 FT NGVD.

HIGHEST WATER LEVEL 83.69 BELOW LSD, MAR. 22, 1954,

LOWEST WATER LEVEL 97.10 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1953-72, 1974-75, 1977-78, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	97.10						

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.

LSD 65.66 FT NGVD.

HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,

LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.

RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1982	91.77	DEC. 31, 1982	85.70	APR. 4, 1983	90.13H	JULY 5, 1983	93.18
OCT. 10	91.26	JAN. 5, 1983	85.68	APR. 5	89.18	JULY 10	99.23
OCT. 14	90.80H	JAN. 10	85.40	APR. 10	86.86	JULY 15	101.91
OCT. 15	90.71	JAN. 15	85.39	APR. 15	88.59	JULY 20	100.82
OCT. 20	90.24	JAN. 20	84.77	APR. 20	88.28H	JULY 25	100.58
OCT. 25	89.79	JAN. 25	84.73	APR. 25	87.78	JULY 29	98.71H
OCT. 31	89.14	JAN. 28	84.62H	APR. 30	88.90	JULY 31	96.50
NOV. 5	88.92	FEB. 5	84.17	MAY 5	87.18	AUG. 5	93.15
NOV. 10	88.59	FEB. 10	83.89	MAY 10	89.77	AUG. 10	91.49
NOV. 15	88.34	FEB. 15	83.88	MAY 15	94.00	AUG. 15	90.17
NOV. 20	87.78	FEB. 20	83.73	MAY 18	93.54H	AUG. 20	89.30
NOV. 25	87.75	FEB. 25	83.51	MAY 20	91.52	AUG. 25	89.15H
NOV. 26	87.57H	FEB. 28	83.37	MAY 25	90.22	AUG. 31	89.39
NOV. 30	86.98	MAR. 3	83.31H	MAY 31	90.80	SEP. 5	90.24
DEC. 5	86.70	MAR. 5	82.91	JUNE 5	91.74	SEP. 10	88.66
DEC. 10	86.84	MAR. 10	83.28	JUNE 10	96.81	SEP. 15	88.61
DEC. 15	86.50	MAR. 15	83.06	JUNE 15	97.33	SEP. 20	87.64
DEC. 20	86.32	MAR. 20	84.24	JUNE 20	96.19H	SEP. 25	87.09
DEC. 21	86.18H	MAR. 25	84.18H	JUNE 25	96.56	SEP. 30	87.12
DEC. 25	85.89	MAR. 31	86.99	JUNE 30	95.72		

304458092261401 LOCAL WELL NUMBER: EV-319

OWNER: AMOCO PRODUCTION CO. (SEC. 36, T. 3S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 164 FT, SCREENED 154-164. MP TOP OF 1-IN AIRLINE, 3.35 FT ABOVE LSD.

LSD 105.00 FT NGVD.

HIGHEST WATER LEVEL 74.90 BELOW LSD, MAR. 3, 1977,

LOWEST WATER LEVEL 78.75 BELOW LSD, APR. 4, 1983.

RECORDS AVAILABLE 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1977	74.90	MAR. 22, 1978	75.42	AUG. 24, 1978	77.44	APR. 4, 1983	78.75
JUNE 16	76.33	JULY 6	77.20				

304534092272201 LOCAL WELL NUMBER: EV-324

OWNER: AMOCO PRODUCTION CO. (SEC. 27, T. 3S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 150 FT, SCREENED 140-150. MP TOP OF 1-IN AIRLINE, 2.30 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 26.97 BELOW LSD, JAN. 12, 1949,

LOWEST WATER LEVEL 43.74 BELOW LSD, APR. 4, 1983.

RECORDS AVAILABLE 1949, 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1949	26.97	MAR. 14, 1977	40.24	MAR. 22, 1978	40.63	APR. 4, 1983	43.74

See footnotes at end of table.

GROUND-WATER LEVELS

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EVANGELINE PARISH

304445092255001 LOCAL WELL NUMBER: EV-330

OWNER: AMOCO PRODUCTION CO. (SEC. 37, T. 3S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 166 FT, SCREENED 156-166. MP TOP OF 1-IN AIRLINE, 6.40 FT ABOVE LSD.
 LSD 73.00 FT NGVD.
 HIGHEST WATER LEVEL 48.71 BELOW LSD, MAR. 15, 1977,
 LOWEST WATER LEVEL 54.55 BELOW LSD, APR. 4, 1983.
 RECORDS AVAILABLE 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1977	49.02	MAR. 15, 1977	48.71	APR. 4, 1983	54.55		

305713092254601 LOCAL WELL NUMBER: EV-495

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 1S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 90 FT, SCREENED 84-90. MP TOP OF COUPLING, 1.00 FT ABOVE LSD.
 LSD 123.74 FT NGVD.
 HIGHEST WATER LEVEL 51.65 BELOW LSD, AUG. 10, 1954,
 LOWEST WATER LEVEL 65.58 BELOW LSD, FEB. 21, 1972.
 RECORDS AVAILABLE 1953-66, 1972, 1974, 1976-77, 1979, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	60.25						

305130092263601 LOCAL WELL NUMBER: EV-500

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 2S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 120 FT, SCREENED 114-120. MP TOP OF 4-IN COUPLING, 0.80 FT ABOVE LSD.
 LSD 117.52 FT NGVD.
 HIGHEST WATER LEVEL 43.19 BELOW LSD, OCT. 20, 1953,
 LOWEST WATER LEVEL 49.82 BELOW LSD, FEB. 21, 1972.
 RECORDS AVAILABLE 1953-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	49.50						

304745092204501 LOCAL WELL NUMBER: EV-547

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 80 FT, SCREENED 75-80. MP TOP OF CASING, 0.62 FT ABOVE LSD.
 LSD 113.38 FT NGVD.
 HIGHEST WATER LEVEL 19.19 BELOW LSD, APR. 24, 1975,
 LOWEST WATER LEVEL 51.53 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1954-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	51.53	APR. 4, 1983	51.33				

304133092322801 LOCAL WELL NUMBER: EV-571

OWNER: EDWARD FUSILIER. (SEC. 23, T. 4S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.50 FT ABOVE LSD.
 LSD 62.30 FT NGVD.
 HIGHEST WATER LEVEL 31.74 BELOW LSD, MAR. 22, 1954,
 LOWEST WATER LEVEL 53.38 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1953-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	53.38						

LOUISIANA - EVANGELINE PARISH

304213092301601 LOCAL WELL NUMBER: EV-601

OWNER: CONTINENTAL OIL CO. (SEC. 19, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 168 FT, SCREENED 158-168. MP LOWER LIP OF 4-IN DISCHARGE, 3.30 FT ABOVE LSD.
 LSD 58.40 FT NGVD.
 HIGHEST WATER LEVEL 37.66 BELOW LSD, NOV. 4, 1953,
 LOWEST WATER LEVEL 58.75 BELOW LSD, APR. 4, 1983.
 RECORDS AVAILABLE 1953, 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1953	37.66	MAR. 23, 1978	53.03	AUG. 24, 1978	57.87	APR. 4, 1983	58.75
DEC. 28, 1977	52.27						

305643092194701 LOCAL WELL NUMBER: EV-612

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 1S., R. 1E.) JETTED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 46 FT, SCREENED 41-46. MP TOP OF 1 1/4-IN PIPE, 1.00 FT ABOVE LSD.
 LSD 77.00 FT NGVD.
 HIGHEST WATER LEVEL 21.85 BELOW LSD, FEB. 25, 1974,
 LOWEST WATER LEVEL 25.53 BELOW LSD, FEB. 17, 1971.
 RECORDS AVAILABLE 1953-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	22.35						

305036092205801 LOCAL WELL NUMBER: EV-623

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 34, T. 2S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF 1 1/4-IN CASING, 3.50 FT ABOVE LSD.
 LSD 137.20 FT NGVD.
 HIGHEST WATER LEVEL 68.14 BELOW LSD, AUG. 31, 1962,
 LOWEST WATER LEVEL 72.14 BELOW LSD, FEB. 17, 1971.
 RECORDS AVAILABLE 1958-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	71.10						

304435092184501 LOCAL WELL NUMBER: EV-665

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 95-100. MP TOP OF 1 1/4-IN PIPE, 2.20 FT ABOVE LSD.
 LSD 59.29 FT NGVD.
 HIGHEST WATER LEVEL 57.46 BELOW LSD, MAR. 6, 1968,
 LOWEST WATER LEVEL 63.48 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1964-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	63.48						

305055092330601 LOCAL WELL NUMBER: EV-667

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 2S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 92 FT, SCREENED 88-92. MP TOP OF 1 1/4-IN PIPE, 3.00 FT ABOVE LSD.
 LSD 122.20 FT NGVD.
 HIGHEST WATER LEVEL 47.09 BELOW LSD, MAR. 8, 1965,
 LOWEST WATER LEVEL 49.67 BELOW LSD, FEB. 21, 1972.
 RECORDS AVAILABLE 1964-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	49.40						

GROUND-WATER LEVELS

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EVANGELINE PARISH

305335092183501 LOCAL WELL NUMBER: EV-679

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 6, T. 2S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 70 FT, SCREENED 67-70. MP TOP OF 1 1/4-IN CASING, 3.00 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 0.85 ABOVE LSD, FEB. 25, 1974,
 LOWEST WATER LEVEL 1.89 BELOW LSD, FEB. 27, 1970.
 RECORDS AVAILABLE 1966-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	1.20						

305713092254602 LOCAL WELL NUMBER: EV-680

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 1S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 89 FT, SCREENED 85-89. MP TOP OF 1 1/4-IN CASING, 3.00 FT ABOVE LSD.
 LSD 120.00 FT NGVD.
 HIGHEST WATER LEVEL 54.70 BELOW LSD, FEB. 26, 1974,
 LOWEST WATER LEVEL 57.67 BELOW LSD, FEB. 17, 1971.
 RECORDS AVAILABLE 1966-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	56.15						

305608092284101 LOCAL WELL NUMBER: EV-681

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 1S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 33 FT, SCREENED 30-33. MP TOP OF 1 1/4-IN CASING, 4.00 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 4.93 BELOW LSD, MAR. 6, 1979,
 LOWEST WATER LEVEL 7.97 BELOW LSD, AUG. 30, 1966.
 RECORDS AVAILABLE 1966-72, 1974-75, 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	5.94						

305049092164101 LOCAL WELL NUMBER: EV-690

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 1,211 FT, SCREENED 1,201-1,211. MP TOP OF 2-IN CASING, 4.40 FT ABOVE LSD.
 LSD 50.00 FT NGVD.
 HIGHEST WATER LEVEL 3.67 ABOVE LSD, APR. 1, 1967,
 LOWEST WATER LEVEL 7.00 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1967-69, 1972-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	7.00						

305049092164102 LOCAL WELL NUMBER: EV-691

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 375 FT, SCREENED 365-375. MP TOP OF 2-IN CASING, 2.26 FT ABOVE LSD.
 LSD 50.00 FT NGVD.
 HIGHEST WATER LEVEL 8.65 BELOW LSD, MAR. 3, 1976,
 LOWEST WATER LEVEL 15.87 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1967-69, 1972-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	15.87						

LOUISIANA - GRANT PARISH

EVANGELINE PARISH

304617092193201 LOCAL WELL NUMBER: EV-748

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 38, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 103 FT, SCREENED 98-103. MP TOP OF 2-IN PIPE, 2.60 FT ABOVE LSD.
 LSD 80.00 FT NGVD.
 HIGHEST WATER LEVEL 26.29 BELOW LSD, MAR. 14, 1977,
 LOWEST WATER LEVEL 31.07 BELOW LSD, JULY 6, 1978.
 RECORDS AVAILABLE 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	30.40	APR. 4, 1983	30.34				

304316092300701 LOCAL WELL NUMBER: EV-749

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 4S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 144 FT, SCREENED 139-144. MP TOP OF 2-IN PIPE, 2.45 FT ABOVE LSD.
 LSD 63.00 FT NGVD.
 HIGHEST WATER LEVEL 41.77 BELOW LSD, MAR. 14, 1977,
 LOWEST WATER LEVEL 47.04 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	47.04						

304543092191301 LOCAL WELL NUMBER: EV-757

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 120 FT, SCREENED 114-120. MP TOP OF CASING, 1.53 FT ABOVE LSD.
 LSD 77.00 FT NGVD.
 HIGHEST WATER LEVEL 70.20 BELOW LSD, FEB. 16, 1978,
 LOWEST WATER LEVEL 73.07 BELOW LSD, JULY 6, 1978.
 RECORDS AVAILABLE 1978-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	72.87	APR. 4, 1983	72.70				

304059092304301 LOCAL WELL NUMBER: EV-758

OWNER: CONTINENTAL OIL CO. (SEC. 32, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 150 FT, SCREENED 140-150. MP TOP OF 1-IN AIRLINE, 2.70 FT ABOVE LSD.
 LSD 52.00 FT NGVD.
 HIGHEST WATER LEVEL 56.06 BELOW LSD, DEC. 28, 1977,
 LOWEST WATER LEVEL 63.49 BELOW LSD, AUG. 24, 1978.
 RECORDS AVAILABLE 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 28, 1977	56.06	MAR. 22, 1978	57.75	AUG. 24, 1978	63.49	APR. 4, 1983	62.70

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 231.36 FT NGVD.
 HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,
 LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1982	70.69	JAN. 28, 1983	70.18	APR. 29, 1983	68.87	JULY 29, 1983	67.87
NOV. 30	70.77	FEB. 28	69.66	MAY 27	68.45	AUG. 30	67.98
JAN. 3, 1983	70.63	MAR. 31	69.10	JUNE 29	68.04	SEP. 28	67.82

GROUND-WATER LEVELS

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EVANGELINE PARISH

305335092183501 LOCAL WELL NUMBER: EV-679

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 6, T. 2S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 70 FT, SCREENED 67-70. MP TOP OF 1 1/4-IN CASING, 3.00 FT ABOVE LSD.

LSD 46.00 FT NGVD.

HIGHEST WATER LEVEL 0.85 ABOVE LSD, FEB. 25, 1974,

LOWEST WATER LEVEL 1.89 BELOW LSD, FEB. 27, 1970.

RECORDS AVAILABLE 1966-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	1.20						

305713092254602 LOCAL WELL NUMBER: EV-680

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 1S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 89 FT, SCREENED 85-89. MP TOP OF 1 1/4-IN CASING, 3.00 FT ABOVE LSD.

LSD 120.00 FT NGVD.

HIGHEST WATER LEVEL 54.70 BELOW LSD, FEB. 26, 1974,

LOWEST WATER LEVEL 57.67 BELOW LSD, FEB. 17, 1971.

RECORDS AVAILABLE 1966-72, 1974-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	56.15						

305608092284101 LOCAL WELL NUMBER: EV-681

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 1S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 33 FT, SCREENED 30-33. MP TOP OF 1 1/4-IN CASING, 4.00 FT ABOVE LSD.

LSD 65.00 FT NGVD.

HIGHEST WATER LEVEL 4.93 BELOW LSD, MAR. 6, 1979,

LOWEST WATER LEVEL 7.97 BELOW LSD, AUG. 30, 1966.

RECORDS AVAILABLE 1966-72, 1974-75, 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	5.94						

305049092164101 LOCAL WELL NUMBER: EV-690

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 1,211 FT, SCREENED 1,201-1,211. MP TOP OF 2-IN CASING, 4.40 FT ABOVE LSD.

LSD 50.00 FT NGVD.

HIGHEST WATER LEVEL 3.67 ABOVE LSD, APR. 1, 1967,

LOWEST WATER LEVEL 7.00 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1967-69, 1972-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	7.00						

305049092164102 LOCAL WELL NUMBER: EV-691

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 375 FT, SCREENED 365-375. MP TOP OF 2-IN CASING, 2.26 FT ABOVE LSD.

LSD 50.00 FT NGVD.

HIGHEST WATER LEVEL 8.65 BELOW LSD, MAR. 3, 1976,

LOWEST WATER LEVEL 15.87 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1967-69, 1972-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	15.87						

LOUISIANA - GRANT PARISH

EVANGELINE PARISH

304617092193201 LOCAL WELL NUMBER: EV-748

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 38, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 103 FT, SCREENED 98-103. MP TOP OF 2-IN PIPE, 2.60 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 26.29 BELOW LSD, MAR. 14, 1977,

LOWEST WATER LEVEL 31.07 BELOW LSD, JULY 6, 1978.

RECORDS AVAILABLE 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	30.40	APR. 4, 1983	30.34				

304316092300701 LOCAL WELL NUMBER: EV-749

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 4S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 144 FT, SCREENED 139-144. MP TOP OF 2-IN PIPE, 2.45 FT ABOVE LSD.

LSD 63.00 FT NGVD.

HIGHEST WATER LEVEL 41.77 BELOW LSD, MAR. 14, 1977,

LOWEST WATER LEVEL 47.04 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	47.04						

304543092191301 LOCAL WELL NUMBER: EV-757

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 120 FT, SCREENED 114-120. MP TOP OF CASING, 1.53 FT ABOVE LSD.

LSD 77.00 FT NGVD.

HIGHEST WATER LEVEL 70.20 BELOW LSD, FEB. 16, 1978,

LOWEST WATER LEVEL 73.07 BELOW LSD, JULY 6, 1978.

RECORDS AVAILABLE 1978-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	72.87	APR. 4, 1983	72.70				

304059092304301 LOCAL WELL NUMBER: EV-758

OWNER: CONTINENTAL OIL CO. (SEC. 32, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 150 FT, SCREENED 140-150. MP TOP OF 1-IN AIRLINE, 2.70 FT ABOVE LSD.

LSD 52.00 FT NGVD.

HIGHEST WATER LEVEL 56.06 BELOW LSD, DEC. 28, 1977,

LOWEST WATER LEVEL 63.49 BELOW LSD, AUG. 24, 1978.

RECORDS AVAILABLE 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 28, 1977	56.06	MAR. 22, 1978	57.75	AUG. 24, 1978	63.49	APR. 4, 1983	62.70

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 231.36 FT NGVD.

HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,

LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1982	70.69	JAN. 28, 1983	70.18	APR. 29, 1983	68.87	JULY 29, 1983	67.87
NOV. 30	70.77	FEB. 28	69.66	MAY 27	68.45	AUG. 30	67.98
JAN. 3, 1983	70.63	MAR. 31	69.10	JUNE 29	68.04	SEP. 28	67.82

GROUND-WATER LEVELS

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GRANT PARISH

313119092254001 LOCAL WELL NUMBER: G-262

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 6N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 3.30 FT ABOVE LSD.
 LSD 178.73 FT NGVD.
 HIGHEST WATER LEVEL 35.55 BELOW LSD, APR. 30, 1974,
 LOWEST WATER LEVEL 45.15 BELOW LSD, DEC. 23, 1977.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1982	44.19	MAR. 15, 1983	39.90	MAY 27, 1983	37.59	SEP. 14, 1983	38.77

314200092465101 LOCAL WELL NUMBER: G-305

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 8N., R. 4W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 40 FT, SCREENED 37-40. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 210.00 FT NGVD.
 HIGHEST WATER LEVEL 10.58 BELOW LSD, JUNE 3, 1983,
 LOWEST WATER LEVEL 20.85 BELOW LSD, MAR. 3, 1982.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1982	18.98	MAR. 4, 1983	13.16	JUNE 3, 1983	10.58	SEP. 21, 1983	14.32

313156092324101 LOCAL WELL NUMBER: G-314

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 7N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 99 FT, SCREENED 96-99. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 245.00 FT NGVD.
 HIGHEST WATER LEVEL 47.65 BELOW LSD, JULY 7, 1975,
 LOWEST WATER LEVEL 60.55 BELOW LSD, DEC. 15, 1982.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1982	60.55	MAR. 17, 1983	56.65	MAY 19, 1983	52.80	SEP. 14, 1983	55.39

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: CONTINENTAL CAN CO. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 TO 8 IN, DEPTH 570 FT, SCREENED 542-570. MP TOP OF RECORDER SHELTER SHELF, 2.33 FT ABOVE LSD.
 LSD 160.00 FT NGVD.
 HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961,
 LOWEST WATER LEVEL 193.86 BELOW LSD, OCT. 1, 1967.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1982	148.54H	FEB. 28, 1983	143.45	MAY 10, 1983	132.40	JULY 20, 1983	143.10
DEC. 20	149.00	MAR. 3	140.81H	MAY 15	141.80	JULY 25	143.05
DEC. 21	149.05J	MAR. 9	144.05J	MAY 20	136.70	JULY 31	142.60
DEC. 25	145.10	MAR. 10	139.55	MAY 25	141.40	AUG. 5	143.40
DEC. 31	142.60	MAR. 15	135.40	MAY 31	143.50	AUG. 10	141.20
JAN. 5, 1983	137.50	MAR. 20	134.20	JUNE 1	143.90J	AUG. 15	140.05
JAN. 10	142.70	MAR. 25	133.40	JUNE 5	137.90	AUG. 20	134.55
JAN. 15	144.60	MAR. 30	132.95J	JUNE 10	140.60	AUG. 25	132.65
JAN. 20	145.00	MAR. 31	138.50	JUNE 15	141.50	AUG. 31	131.65J
JAN. 25	137.75	APR. 5	137.85	JUNE 20	135.60	SEP. 5	138.30
JAN. 28	136.15J	APR. 7	140.73H	JUNE 22	135.55H	SEP. 7	140.21H
JAN. 31	143.30	APR. 10	135.60	JUNE 25	141.70	SEP. 10	133.50
FEB. 5	144.60	APR. 15	133.50	JUNE 30	144.15	SEP. 15	133.85
FEB. 10	145.20	APR. 20	140.70	JULY 5	145.10	SEP. 20	131.50
FEB. 15	146.50	APR. 25	133.90	JULY 6	145.30J	SEP. 23	130.30J
FEB. 20	146.80	APR. 30	139.00	JULY 10	136.00	SEP. 25	136.80
FEB. 25	145.25	MAY 5	133.45	JULY 15	140.65	SEP. 30	137.75

See footnotes at end of table.

LOUISIANA - JACKSON PARISH

321249092190402 LOCAL WELL NUMBER: JA-101B

OWNER: CHATHAM GIRL SCOUT CAMP. (SEC. 12, T. 14N., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 432 FT, SCREENED 412-432. MP HOLE IN TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
 LSD 195.30 FT NGVD.
 HIGHEST WATER LEVEL 151.70 BELOW LSD, MAY 11, 1966,
 LOWEST WATER LEVEL 174.73 BELOW LSD, JUNE 13, 1967.
 RECORDS AVAILABLE 1966-81, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	166.29						

321128092440801 LOCAL WELL NUMBER: JA-127

OWNER: CONTINENTAL CAN CO. (SEC. 13, T. 14N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 367 FT, SCREENED 357-367. MP TOP OF CASING, 1.80 FT ABOVE LSD.
 LSD 242.15 FT NGVD.
 HIGHEST WATER LEVEL 152.05 BELOW LSD, JULY 13, 1966,
 LOWEST WATER LEVEL 162.67 BELOW LSD, JULY 25, 1973.
 RECORDS AVAILABLE 1966, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	157.23	MAR. 3, 1983	156.90	JUNE 22, 1983	155.94	SEP. 7, 1983	157.89

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,
 LOWEST WATER LEVEL 228.36 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	227.10	JAN. 5, 1983	226.97	JUNE 22, 1983	226.46	SEP. 7, 1983	226.41
NOV. 15	227.05	MAR. 3	228.36				

321338092345801 LOCAL WELL NUMBER: JA-148

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 14N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 578 FT, SCREENED 568-578. MP TOP OF BUSHING, 3.30 FT ABOVE LSD.
 LSD 245.00 FT NGVD.
 HIGHEST WATER LEVEL 206.58 BELOW LSD, APR. 7, 1976,
 LOWEST WATER LEVEL 213.34 BELOW LSD, SEP. 7, 1983.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	211.85	SEP. 7, 1983	213.34				

322433092412101 LOCAL WELL NUMBER: JA-149

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 195.00 FT NGVD.
 HIGHEST WATER LEVEL 154.78 BELOW LSD, MAY 13, 1975,
 LOWEST WATER LEVEL 170.73 BELOW LSD, SEP. 2, 1983.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	170.40	FEB. 14, 1983	170.02	MAY 16, 1983	169.39	JULY 19, 1983	170.01
NOV. 12	166.58	MAR. 3	169.94	JUNE 22	168.93	SEP. 2	170.73
DEC. 22	170.12	APR. 7	169.65				

GROUND-WATER LEVELS

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JACKSON PARISH

321730092373701 LOCAL WELL NUMBER: JA-156

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 15N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 619-629. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 290.00 FT NGVD.

HIGHEST WATER LEVEL 250.90 BELOW LSD, MAY 19, 1980,

LOWEST WATER LEVEL 256.02 BELOW LSD, SEP. 7, 1983.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	255.72	FEB. 14, 1983	254.89	MAY 17, 1983	254.26	JULY 21, 1983	254.68
NOV. 15	255.44	MAR. 3	254.77	JUNE 22	254.37	SEP. 7	256.02
DEC. 22	253.94	APR. 7	254.99				

LA SALLE PARISH

314153092075201 LOCAL WELL NUMBER: LA-157

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 8N., R. 3E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 3.50 FT ABOVE LSD.

LSD 211.90 FT NGVD.

HIGHEST WATER LEVEL 53.33 BELOW LSD, JUNE 29, 1976,

LOWEST WATER LEVEL 59.70 BELOW LSD, SEP. 15, 1982.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1982	59.66	MAR. 17, 1983	58.53	MAY 25, 1983	57.77	SEP. 14, 1983	58.44

313610092052601 LOCAL WELL NUMBER: LA-215

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 2.50 FT ABOVE LSD.

LSD 85.00 FT NGVD.

HIGHEST WATER LEVEL 45.59 BELOW LSD, JULY 16, 1975,

LOWEST WATER LEVEL 58.95 BELOW LSD, SEP. 15, 1982.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1982	56.64	MAR. 17, 1983	49.74	MAY 25, 1983	49.17	SEP. 14, 1983	48.62

313610092052602 LOCAL WELL NUMBER: LA-217

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 57-60. MP TOP OF CASING, 2.20 FT ABOVE LSD.

LSD 85.00 FT NGVD.

HIGHEST WATER LEVEL 37.23 BELOW LSD, JULY 16, 1975,

LOWEST WATER LEVEL 49.33 BELOW LSD, FEB. 21, 1973.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1982	43.63	MAR. 17, 1983	40.50	MAY 25, 1983	39.92	SEP. 14, 1983	40.52

313610092052603 LOCAL WELL NUMBER: LA-218

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 2.20 FT ABOVE LSD.

LSD 85.00 FT NGVD.

HIGHEST WATER LEVEL 45.68 BELOW LSD, JULY 16, 1975,

LOWEST WATER LEVEL 57.22 BELOW LSD, DEC. 22, 1981.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 13, 1982	56.69	MAR. 17, 1983	49.80	MAY 25, 1983	49.16	SEP. 14, 1983	49.00

LOUISIANA - LINCOLN PARISH

LA SALLE PARISH

314500092171004 LOCAL WELL NUMBER: LA-252D

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 9N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 1388 FT, SCREENED 1378-1388. MP TOP OF BUSHING, 4.70 FT ABOVE LSD. LSD 195.00 FT NGVD.
 HIGHEST WATER LEVEL 35.96 BELOW LSD, JUNE 2, 1980,
 LOWEST WATER LEVEL 39.99 BELOW LSD, DEC. 6, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1982	39.99	MAR. 15, 1983	38.76	SEP. 12, 1983	37.39		

LINCOLN PARISH

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN, DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN HOLE IN PLATE, 2.00 FT ABOVE LSD. LSD 155.00 FT NGVD.
 HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950,
 LOWEST WATER LEVEL 161.94 BELOW LSD, SEP. 6, 1983.
 RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	161.41	SEP. 6, 1983	161.94				

323458092275101 LOCAL WELL NUMBER: L-68

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 18N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 770 FT, SCREENED 760-770. MP TOP OF 2 X 3/4-IN BUSHING, 5.14 FT ABOVE LSD. LSD 180.00 FT NGVD.
 HIGHEST WATER LEVEL 185.04 BELOW LSD, MAR. 2, 1970,
 LOWEST WATER LEVEL 221.43 BELOW LSD, SEP. 6, 1983.
 RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	221.21	SEP. 6, 1983	221.43				

323013092482001 LOCAL WELL NUMBER: L-113

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 18N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 1.30 FT ABOVE LSD. LSD 355.00 FT NGVD.
 HIGHEST WATER LEVEL 266.50 BELOW LSD, AUG. 11, 1969,
 LOWEST WATER LEVEL 300.81 BELOW LSD, SEP. 2, 1983.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	300.77	SEP. 2, 1983	300.81				

323105092374802 LOCAL WELL NUMBER: L-123

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 18N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.00 FT ABOVE LSD. LSD 330.00 FT NGVD.
 HIGHEST WATER LEVEL 126.97 BELOW LSD, SEP. 4, 1974,
 LOWEST WATER LEVEL 129.55 BELOW LSD, OCT. 7, 1970.
 RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1983	127.24						

GROUND-WATER LEVELS

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LINCOLN PARISH

324018092482201 LOCAL WELL NUMBER: L-153

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 19N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 280.00 FT NGVD.

HIGHEST WATER LEVEL 212.99 BELOW LSD, JAN. 29, 1979,

LOWEST WATER LEVEL 225.64 BELOW LSD, OCT. 4, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	225.64	FEB. 1, 1983	224.37	MAY 18, 1983	224.03	JULY 19, 1983	224.24
NOV. 15	225.46	MAR. 1	224.68	JUNE 20	224.07	SEP. 2	224.97
DEC. 20	224.59	APR. 12	224.24				

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN, DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.60 FT ABOVE LSD.

LSD 117.44 FT NGVD.

HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958,

LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1982	166.56	DEC. 31, 1982	169.11	MAR. 31, 1983	169.81	JUNE 30, 1983	169.21
OCT. 6	168.72H	JAN. 3, 1983	170.22J	APR. 5	169.80	JULY 5	158.66
OCT. 10	169.83	JAN. 5	170.10	APR. 10	170.44	JULY 6	156.07J
OCT. 15	170.04	JAN. 10	166.70	APR. 15	171.19	JULY 10	169.71
OCT. 20	170.85	JAN. 15	169.76	APR. 19	171.10H	JULY 15	170.63
OCT. 25	169.55	JAN. 20	167.03	APR. 20	171.49	JULY 20	171.13
OCT. 31	166.30	JAN. 25	169.16	APR. 21	171.53J	JULY 21	170.53H
NOV. 5	167.92	JAN. 31	169.97	APR. 25	169.70	JULY 25	171.45
NOV. 8	165.31J	FEB. 2	169.01H	APR. 30	171.18	JULY 31	170.33
NOV. 10	167.60	FEB. 5	167.92	MAY 4	168.37J	AUG. 5	171.31
NOV. 15	170.98	FEB. 10	170.27J	MAY 5	170.23	AUG. 10	171.95
NOV. 20	169.05	FEB. 15	168.17	MAY 10	169.49	AUG. 15	172.38
NOV. 23	171.59J	FEB. 20	168.69	MAY 15	169.02	AUG. 17	172.47J
NOV. 24	171.08H	FEB. 25	166.99	MAY 16	170.20H	AUG. 20	170.14
NOV. 25	171.73J	FEB. 28	166.07	MAY 20	169.59	AUG. 25	170.12
NOV. 30	167.30	MAR. 1	165.86J	MAY 25	170.14	AUG. 31	168.80
DEC. 5	170.76	MAR. 5	166.35	MAY 28	171.17J	SEP. 5	168.76
DEC. 10	170.23	MAR. 10	169.49	MAY 31	169.01	SEP. 7	167.69H
DEC. 15	169.12	MAR. 15	166.52	JUNE 5	167.86	SEP. 10	170.82
DEC. 20	169.18	MAR. 16	167.09H	JUNE 10	166.83	SEP. 15	171.02
DEC. 22	165.31H	MAR. 20	166.28	JUNE 15	163.21H	SEP. 20	171.30
DEC. 25	163.52	MAR. 25	166.50	JUNE 20	162.26	SEP. 25	172.19
DEC. 27	162.03J	MAR. 26	165.79J	JUNE 25	167.62	SEP. 30	172.40

324704091543801 LOCAL WELL NUMBER: MO-15

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 105 FT, SCREENED 67-105. MP TOP OF STEEL BASE PLATE, 1.00 FT ABOVE LSD.

LSD 143.72 FT NGVD.

HIGHEST WATER LEVEL 74.83 BELOW LSD, APR. 29, 1953,

LOWEST WATER LEVEL 99.55 BELOW LSD, DEC. 17, 1974.

RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 16, 1983	87.44	SEP. 7, 1983	88.67				

See footnotes at end of table.

LOUISIANA - MOREHOUSE PARISH

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D. W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.

LSD 73.51 FT NGVD.

HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,

LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1983	12.08						

325925091513001 LOCAL WELL NUMBER: MO-283

OWNER: GEORGIA-PACIFIC CORP. (SEC. 9, T. 23N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 1/2 IN, DEPTH 135 FT, SCREENED 125-135. MP 1-IN HOLE IN TOP OF WELL CAP, 3.90 FT ABOVE LSD.

LSD 163.26 FT NGVD.

HIGHEST WATER LEVEL 71.39 BELOW LSD, FEB. 23, 1961,

LOWEST WATER LEVEL 75.17 BELOW LSD, SEP. 8, 1983.

RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1983	75.17						

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 176 FT, SCREENED 166-176. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 88.41 FT NGVD.

HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,

LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1983	10.97						

325526091530501 LOCAL WELL NUMBER: MO-345

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 786 FT, SCREENED 776-786. MP TOP OF CASING, 0.20 FT ABOVE LSD.

LSD 113.65 FT NGVD.

HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968,

LOWEST WATER LEVEL 113.19 BELOW LSD, AUG. 20, 1981.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1983	107.13						

325810091384002 LOCAL WELL NUMBER: MO-346

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 167 FT, SCREENED 157-167. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 106.57 FT NGVD.

HIGHEST WATER LEVEL 15.47 BELOW LSD, APR. 30, 1969,

LOWEST WATER LEVEL 30.74 BELOW LSD, AUG. 22, 1972.

RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1983	27.08						

GROUND-WATER LEVELS

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MOREHOUSE PARISH

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 833 FT, SCREENED 823-833. MP TOP OF CASING, 0.67 FT ABOVE LSD.

LSD 142.27 FT NGVD.

HIGHEST WATER LEVEL 177.45 BELOW LSD, SEP. 7, 1983,

LOWEST WATER LEVEL 193.69 BELOW LSD, SEP. 2, 1980.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1983	177.45						

325518091403001 LOCAL WELL NUMBER: MO-348

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 311 FT, SCREENED 291-311. MP TOP OF CASING, 4.20 FT ABOVE LSD.

LSD 98.88 FT NGVD.

HIGHEST WATER LEVEL 9.63 BELOW LSD, MAR. 26, 1969,

LOWEST WATER LEVEL 19.33 BELOW LSD, SEP. 8, 1983.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1983	19.33						

324352091531002 LOCAL WELL NUMBER: MO-349

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 217 FT, SCREENED 197-217. MP TOP OF BUSHING, 3.93 FT ABOVE LSD.

LSD 142.46 FT NGVD.

HIGHEST WATER LEVEL 67.45 BELOW LSD, JULY 10, 1969,

LOWEST WATER LEVEL 71.09 BELOW LSD, SEP. 8, 1975.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1983	70.13						

325707091574701 LOCAL WELL NUMBER: MO-350

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 740 FT, SCREENED 730-740. MP TOP OF CASING, AT LSD.

LSD 112.08 FT NGVD.

HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969,

LOWEST WATER LEVEL 108.90 BELOW LSD, AUG. 20, 1981.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1983	105.87						

324352091531003 LOCAL WELL NUMBER: MO-351

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 312 FT, SCREENED 292-312. MP TOP OF BUSHING, 3.71 FT ABOVE LSD.

LSD 142.23 FT NGVD.

HIGHEST WATER LEVEL 67.18 BELOW LSD, SEP. 6, 1977,

LOWEST WATER LEVEL 74.27 BELOW LSD, SEP. 1, 1982.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 7, 1983	72.39						

LOUISIANA - NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U. S. GEOL. SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.

LSD 102.59 FT NGVD.

HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969,

LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1982	9.91	JAN. 11, 1983	3.17	APR. 12, 1983	4.44	JULY 12, 1983	5.34
NOV. 8	10.83	FEB. 10	2.88	MAY 16	5.75	AUG. 10	7.78
DEC. 15	5.19	MAR. 9	3.95	JUNE 10	4.40	SEP. 14	9.66

320116093044902 LOCAL WELL NUMBER: NA-479

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 12N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 1 1/4 IN, DEPTH 106 FT, SCREENED 103-106. MP TOP OF BUSHING, AT LSD (SINCE 10/8/82).

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 56.94 BELOW LSD, MAY 16, 1983,

LOWEST WATER LEVEL 59.49 BELOW LSD, SEP. 4, 1980.

RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	59.25	FEB. 7, 1983	58.51	MAY 16, 1983	56.94	JULY 22, 1983	57.68
NOV. 17	58.34	MAR. 9	58.14	JUNE 21	57.47	SEP. 8	58.08
DEC. 23	58.59	APR. 14	57.88				

315221093242901 LOCAL WELL NUMBER: NA-491

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 493 FT, SCREENED 483-493. MP TOP OF BUSHING, AT LSD.

LSD 250.00 FT NGVD.

HIGHEST WATER LEVEL 99.03 BELOW LSD, MAY 31, 1983,

LOWEST WATER LEVEL 99.91 BELOW LSD, AUG. 26, 1982.

RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	99.70	FEB. 22, 1983	99.10	MAY 31, 1983	99.03	AUG. 22, 1983	99.35
DEC. 15	99.34	APR. 19	99.07	JULY 5	99.12	SEP. 27	99.50
JAN. 24, 1983	99.29						

315221093242902 LOCAL WELL NUMBER: NA-495

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 168 FT, SCREENED 163-168. MP TOP OF BUSHING, AT LSD.

LSD 250.00 FT NGVD.

HIGHEST WATER LEVEL 100.63 BELOW LSD, MAY 31, 1983,

LOWEST WATER LEVEL 101.90 BELOW LSD, APR. 22, 1982.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	101.87	FEB. 22, 1983	100.90	MAY 31, 1983	100.63	AUG. 22, 1983	101.12
DEC. 15	101.15	APR. 19	100.69	JULY 5	100.86	SEP. 27	101.38
JAN. 24, 1983	101.10						

GROUND-WATER LEVELS

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OUACHITA PARISH

323837092021702 LOCAL WELL NUMBER: OU-24

OWNER: C. A. SATTERFIELD. (SEC. 37, T. 19N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 688 FT, SCREENED 540-688. MP TOP INSIDE EDGE OF 1/2-IN NIPPLE, 5.27 FT ABOVE LSD.
 LSD 85.00 FT NGVD.
 HIGHEST WATER LEVEL 119.70 BELOW LSD, MAR. 17, 1964,
 LOWEST WATER LEVEL 136.41 BELOW LSD, MAR. 4, 1981.
 RECORDS AVAILABLE 1964-70, 1970-78, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	132.58	SEP. 7, 1983	133.08				

322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 3, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 IN, DEPTH 851 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 2.40 FT ABOVE LSD.
 LSD 75.90 FT NGVD.
 HIGHEST WATER LEVEL 168.82 BELOW LSD, JULY 7, 1952,
 LOWEST WATER LEVEL 276.75 BELOW LSD, AUG. 28, 1978.
 RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1982	262.64	DEC. 30, 1982	226.45J	APR. 5, 1983	225.37	JUNE 30, 1983	245.22
OCT. 6	259.14H	DEC. 31	241.55	APR. 10	226.02	JULY 5	244.14
OCT. 10	264.76	JAN. 5, 1983	246.44	APR. 15	230.22	JULY 10	247.55
OCT. 15	263.13	JAN. 10	231.20	APR. 19	231.98H	JULY 15	247.10
OCT. 20	266.75	JAN. 15	245.26	APR. 20	233.18	JULY 17	251.40J
OCT. 24	269.21J	JAN. 20	246.63	APR. 24	230.33J	JULY 19	248.63H
OCT. 25	266.54	JAN. 25	237.56	APR. 25	231.76	JULY 20	251.62
OCT. 31	263.96	JAN. 28	232.99H	APR. 30	243.21	JULY 25	252.03
NOV. 5	265.42	JAN. 31	233.48	MAY 5	245.88	JULY 31	257.86
NOV. 10	262.43	FEB. 5	232.95	MAY 10	244.70	AUG. 5	254.93
NOV. 15	262.78	FEB. 10	245.82	MAY 15	247.34	AUG. 10	251.90
NOV. 20	260.85	FEB. 15	230.53	MAY 16	250.75J	AUG. 15	254.34
NOV. 23	256.76J	FEB. 20	231.65	MAY 18	248.31H	AUG. 20	250.85
NOV. 24	259.42H	FEB. 22	229.17J	MAY 20	249.61J	AUG. 25	252.90
NOV. 25	260.45	FEB. 25	231.91	MAY 25	247.54	AUG. 31	255.74
NOV. 26	265.31J	FEB. 28	242.83	MAY 27	232.92J	SEP. 5	256.13
NOV. 30	259.57	MAR. 4	259.31J	MAY 31	245.12	SEP. 9	258.71H
DEC. 5	256.90	MAR. 5	238.24	JUNE 5	243.95	SEP. 10	260.13
DEC. 10	254.49	MAR. 10	233.70H	JUNE 10	244.40	SEP. 15	259.04
DEC. 15	256.33	MAR. 15	244.98J	JUNE 15	243.59	SEP. 20	263.02J
DEC. 20	252.16J	MAR. 20	230.25	JUNE 20	244.03	SEP. 25	261.42
DEC. 22	256.05H	MAR. 25	225.77	JUNE 22	241.25H	SEP. 30	254.05J
DEC. 25	230.93	MAR. 31	223.13J	JUNE 25	245.61		

322649092063101 LOCAL WELL NUMBER: OU-88

OWNER: FRED PETERS. (SEC. 24, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 TO 4 IN, DEPTH 401 FT, SCREENED 335-401. MP TOP OF CASING, 2.40 FT ABOVE LSD.
 LSD 75.00 FT NGVD.
 HIGHEST WATER LEVEL 42.83 BELOW LSD, JAN. 17, 1946,
 LOWEST WATER LEVEL 103.28 BELOW LSD, SEP. 10, 1976.
 RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	99.30	SEP. 9, 1983	101.41				

323044092035701 LOCAL WELL NUMBER: OU-96

OWNER: CITY OF MONROE. (IRREG. SEC. 38, T. 18N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 364 FT, SCREENED 294-364. MP TOP OF BREATHER HOLE IN PUMP BASE, 3.00 FT ABOVE LSD.
 LSD 74.06 FT NGVD.
 HIGHEST WATER LEVEL 65.04 BELOW LSD, MAR. 5, 1946,
 LOWEST WATER LEVEL 148.80 BELOW LSD, SEP. 21, 1979.
 RECORDS AVAILABLE 1946, 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1983	139.45	MAR. 17, 1983	139.29				

See footnotes at end of table.

LOUISIANA - OUACHITA PARISH

323136091592801 LOCAL WELL NUMBER: OU-151

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 18N., R. 5E.) DRILLED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 68 FT, SCREENED 58-68. MP TOP OF 3 X 2-IN REDUCER, 4.80 FT ABOVE LSD.
 LSD 72.42 FT NGVD.
 HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 19, 1975,
 LOWEST WATER LEVEL 23.63 BELOW LSD, SEP. 22, 1954.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	12.10	MAR. 10, 1983	7.65	JUNE 22, 1983	7.38	SEP. 9, 1983	12.68

321653092015601 LOCAL WELL NUMBER: OU-241

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 70 FT, SCREENED 67-70. MP TOP OF CASING, 4.80 FT ABOVE LSD.
 LSD 61.52 FT NGVD.
 HIGHEST WATER LEVEL 12.78 BELOW LSD, JAN. 17, 1968,
 LOWEST WATER LEVEL 26.99 BELOW LSD, SEP. 29, 1978.
 RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 9, 1983	21.55						

321713092034401 LOCAL WELL NUMBER: OU-243

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 61.83 FT NGVD.
 HIGHEST WATER LEVEL 8.54 BELOW LSD, SEP. 3, 1975,
 LOWEST WATER LEVEL 23.60 BELOW LSD, NOV. 27, 1963.
 RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 9, 1983	10.97						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.
 LSD 62.28 FT NGVD.
 HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,
 LOWEST WATER LEVEL 101.60 BELOW LSD, MAR. 23, 1982.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	97.81	SEP. 9, 1983	100.66				

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 3.68 FT ABOVE LSD.
 LSD 63.30 FT NGVD.
 HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965,
 LOWEST WATER LEVEL 49.45 BELOW LSD, AUG. 30, 1982.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	48.61	SEP. 9, 1983	48.82				

GROUND-WATER LEVELS

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OUACHITA PARISH

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 460 FT, SCREENED 453-460. MP TOP OF CASING, 4.04 FT ABOVE LSD.

LSD 63.30 FT NGVD.

HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,

LOWEST WATER LEVEL 56.51 BELOW LSD, SEP. 9, 1983.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 4, 1983	53.77	MAR. 10, 1983	55.30	JUNE 22, 1983	54.63	SEP. 9, 1983	56.51

323030091554801 LOCAL WELL NUMBER: OU-404

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 18N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 685 FT, SCREENED 678-685. MP TOP OF CASING, 4.77 FT ABOVE LSD.

LSD 60.89 FT NGVD.

HIGHEST WATER LEVEL 62.27 BELOW LSD, AUG. 7, 1968,

LOWEST WATER LEVEL 81.00 BELOW LSD, AUG. 18, 1981.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	79.47	MAR. 10, 1983	77.99	JUNE 22, 1983	76.41	SEP. 9, 1983	78.61

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.

LSD 66.66 FT NGVD.

HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,

LOWEST WATER LEVEL 116.37 BELOW LSD, SEP. 26, 1980.

RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	112.52	SEP. 9, 1983	112.42				

322531092053902 LOCAL WELL NUMBER: OU-406

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 681 FT, SCREENED 676-681. MP TOP OF CASING, 3.66 FT ABOVE LSD.

LSD 66.75 FT NGVD.

HIGHEST WATER LEVEL 115.06 BELOW LSD, JAN. 17, 1968,

LOWEST WATER LEVEL 141.87 BELOW LSD, DEC. 9, 1980.

RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	137.29	SEP. 9, 1983	137.87				

323100092165801 LOCAL WELL NUMBER: OU-443

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 860 FT, SCREENED 850-860. MP TOP OF CASING, 3.22 FT ABOVE LSD.

LSD 118.00 FT NGVD.

HIGHEST WATER LEVEL 168.40 BELOW LSD, AUG. 20, 1969,

LOWEST WATER LEVEL 196.88 BELOW LSD, SEP. 2, 1982.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	194.38	SEP. 9, 1983	196.26				

LOUISIANA - RAPIDES PARISH

OUACHITA PARISH

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 118.00 FT NGVD.

HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,

LOWEST WATER LEVEL 199.95 BELOW LSD, SEP. 2, 1982.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	197.08	SEP. 9, 1983	199.23				

323100092165803 LOCAL WELL NUMBER: OU-445

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 454 FT, SCREENED 444-454. MP TOP OF CASING, 3.66 FT ABOVE LSD.

LSD 118.00 FT NGVD.

HIGHEST WATER LEVEL 191.97 BELOW LSD, APR. 13, 1970,

LOWEST WATER LEVEL 225.25 BELOW LSD, SEP. 24, 1980.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	215.29	SEP. 9, 1983	223.00				

322437092243101 LOCAL WELL NUMBER: OU-488

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 16N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 795 FT, SCREENED 785-795. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 280.00 FT NGVD.

HIGHEST WATER LEVEL 300.39 BELOW LSD, APR. 18, 1979,

LOWEST WATER LEVEL 311.86 BELOW LSD, SEP. 12, 1983.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1982	310.20	MAR. 2, 1983	309.99	MAY 18, 1983	310.05	JULY 19, 1983	310.10
DEC. 22	308.42	APR. 14	310.20	JUNE 23	309.37	SEP. 12	311.86
FEB. 14, 1983	310.54						

RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 406 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN NIPPLE, 1.30 FT ABOVE LSD.

LSD 78.53 FT NGVD.

HIGHEST WATER LEVEL 69.73 BELOW LSD, APR. 29, 1960,

LOWEST WATER LEVEL 179.75 BELOW LSD, OCT. 21, 1963.

RECORDS AVAILABLE 1939, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1982	125.68D	FEB. 7, 1983	88.35	MAY 5, 1983	72.61	AUG. 24, 1983	98.56
DEC. 16	122.18C	MAR. 25	86.23	MAY 23	84.73	SEP. 27	87.35

See footnotes at end of table.

GROUND-WATER LEVELS

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RAPIDES PARISH

311850092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RR. (SEC. 40, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN, DEPTH APPROXIMATELY 1100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 3.25 FT ABOVE LSD. (RECORDER REMOVED 9/30/83.)
 LSD 83.50 FT NGVD.
 HIGHEST WATER LEVEL 83.29 BELOW LSD, FEB. 26, 1957,
 LOWEST WATER LEVEL 168.66 BELOW LSD, AUG. 10, 1943.
 RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1982	94.73J	JAN. 25, 1983	92.25	APR. 10, 1983	90.15	JULY 5, 1983	89.35
OCT. 5	94.69	JAN. 31	92.15	APR. 15	89.90	JULY 10	89.38
OCT. 10	94.55	FEB. 5	91.98	APR. 20	89.75	JULY 15	89.43
OCT. 15	94.49	FEB. 7	91.65H	APR. 25	89.59	JULY 20	89.59
OCT. 20	94.44	FEB. 10	91.82	APR. 30	89.40H	JULY 25	89.64
OCT. 25	94.46	FEB. 15	91.55	MAY 5	89.24	JULY 31	89.77
OCT. 31	94.43	FEB. 20	91.56	MAY 10	89.05	AUG. 5	89.81
NOV. 5	94.44	FEB. 25	91.33	MAY 15	88.64	AUG. 10	89.91
NOV. 10	94.37	FEB. 28	91.13	MAY 20	88.42	AUG. 15	90.07
NOV. 12	94.31H	MAR. 5	90.99	MAY 23	88.02H	AUG. 20	90.24
DEC. 16	92.93H	MAR. 10	91.05	MAY 25	88.00	AUG. 25	90.37H
DEC. 20	92.88	MAR. 15	90.99	MAY 31	88.16	AUG. 31	90.52
DEC. 25	92.99J	MAR. 20	90.85	JUNE 5	88.41	SEP. 5	90.62
DEC. 31	92.94	MAR. 24	90.70J	JUNE 10	88.57	SEP. 10	90.84
JAN. 5, 1983	92.25	MAR. 25	90.68H	JUNE 15	88.69	SEP. 15	90.89
JAN. 10	92.46	MAR. 28	90.72J	JUNE 20	88.93	SEP. 20	90.82
JAN. 15	92.45	MAR. 31	90.61	JUNE 25	89.07	SEP. 25	90.90
JAN. 20	92.24	APR. 5	90.37	JUNE 30	89.31	SEP. 30	90.98H

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 100 FT, SCREENED 95-100. MP TOP OF CASING, 2.00 FT ABOVE LSD.
 LSD 170.40 FT NGVD.
 HIGHEST WATER LEVEL 49.04 BELOW LSD, SEP. 10, 1975,
 LOWEST WATER LEVEL 53.22 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	52.72						

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING COLLAR, 0.50 FT ABOVE LSD. (RECORDER REMOVED 8/24/83.)
 LSD 192.90 FT NGVD.
 HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
 LOWEST WATER LEVEL 77.81 BELOW LSD, FEB. 23, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1982	57.56	DEC. 5, 1982	57.76	MAR. 15, 1983	53.95	MAY 20, 1983	51.43
OCT. 15	57.57	DEC. 9	57.60H	MAR. 20	53.74	MAY 23	50.91H
OCT. 20	57.60	DEC. 10	57.55	MAR. 25	53.50	MAY 25	51.37
OCT. 25	57.63	DEC. 15	57.55	MAR. 31	53.30	MAY 31	51.27
OCT. 31	57.68	JAN. 18, 1983	55.85H	APR. 5	53.12	JUNE 5	51.17
NOV. 5	57.73	JAN. 27	55.54H	APR. 10	52.97	JUNE 10	51.10
NOV. 10	57.75	FEB. 20	55.04	APR. 15	52.69	JUNE 15	51.02
NOV. 15	57.80	FEB. 25	54.83	APR. 20	52.39	JUNE 20	50.98
NOV. 16	57.78H	FEB. 28	54.66	MAY 2	51.77H	JUNE 25	50.92
NOV. 20	57.82	MAR. 3	53.99H	MAY 5	51.79	AUG. 24	50.64H
NOV. 25	57.84	MAR. 5	54.36	MAY 10	51.61	SEP. 22	50.84H
NOV. 30	57.82	MAR. 10	54.22	MAY 15	51.53		

See footnotes at end of table.

LOUISIANA - RAPIDES PARISH

310728092394201 LOCAL WELL NUMBER: R-848

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 105 FT, SCREENED 102-105. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 206.80 FT NGVD.
 HIGHEST WATER LEVEL 54.38 BELOW LSD, MAY 21, 1968,
 LOWEST WATER LEVEL 64.20 BELOW LSD, NOV. 13, 1981.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	64.06	JAN. 27, 1983	61.35	MAY 2, 1983	58.99	AUG. 24, 1983	59.84
DEC. 9	63.22	MAR. 3	59.95	MAY 23	58.97	SEP. 22	61.79

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 193.09 FT NGVD.
 HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968,
 LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1982	53.81J	JAN. 5, 1983	51.05	MAR. 31, 1983	49.84	JULY 5, 1983	48.96
OCT. 5	54.06	JAN. 10	51.29	APR. 5	49.77	JULY 10	49.01
OCT. 10	54.51	JAN. 15	51.47	APR. 10	49.34	JULY 15	49.20
OCT. 15	54.55	JAN. 20	51.56	APR. 15	49.20	JULY 20	49.16
OCT. 20	54.65	JAN. 25	51.66	APR. 18	48.95J	JULY 25	49.21
OCT. 25	54.77	JAN. 27	51.58H	APR. 20	49.16	JULY 31	49.25
OCT. 31	54.91	JAN. 28	51.58J	APR. 25	49.11	AUG. 5	49.34
NOV. 5	55.00	JAN. 31	51.53	APR. 30	48.95	AUG. 10	49.30
NOV. 10	55.07	FEB. 5	51.30	MAY 2	49.05H	AUG. 14	49.98J
NOV. 15	55.15	FEB. 10	51.20	MAY 5	49.02	AUG. 15	49.71
NOV. 16	55.26H	FEB. 15	51.15	MAY 10	49.32J	AUG. 24	49.54H
NOV. 20	55.26	FEB. 20	51.00	MAY 15	49.05	AUG. 25	49.65
NOV. 25	55.26	FEB. 25	50.43	MAY 20	48.92	AUG. 30	49.63
NOV. 30	55.05	FEB. 28	50.09	MAY 23	48.83H	SEP. 5	49.77
DEC. 5	54.50	MAR. 2	49.97J	MAY 25	48.66	SEP. 7	49.51J
DEC. 9	53.99H	MAR. 3	50.10H	MAY 31	48.53	SEP. 10	49.95
DEC. 10	54.01J	MAR. 5	50.11	JUNE 5	48.58	SEP. 15	50.16
DEC. 15	53.98	MAR. 10	50.31	JUNE 10	48.65	SEP. 20	50.29
DEC. 20	53.49	MAR. 11	50.37J	JUNE 15	48.71	SEP. 25	50.45
DEC. 25	53.25	MAR. 15	50.11	JUNE 20	48.76	SEP. 27	50.49H
DEC. 31	51.39	MAR. 20	50.13	JUNE 25	48.82	SEP. 30	50.47
JAN. 4, 1983	50.89J	MAR. 25	50.11	JUNE 30	48.90		

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 220.55 FT NGVD.
 HIGHEST WATER LEVEL 52.48 BELOW LSD, JUNE 25, 1976, JULY 20, 1976,
 LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1982	55.90	MAR. 3, 1983	55.07	MAY 23, 1983	54.74	SEP. 22, 1983	54.50

311655092192101 LOCAL WELL NUMBER: R-861

OWNER: BODCAW CO. (SEC. 42, T. 4N., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 87 FT, SCREENED 76-87. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 128.47 FT NGVD.
 HIGHEST WATER LEVEL 43.09 BELOW LSD, MAY 21, 1966,
 LOWEST WATER LEVEL 45.48 BELOW LSD, JAN. 15, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1983	44.44						

See footnotes at end of table.

GROUND-WATER LEVELS

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RAPIDES PARISH

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA. (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 104 FT, SCREENED 99-104. MP TOP OF 1/2-IN NIPPLE, 0.80 FT ABOVE LSD. (RECORDER REMOVED 5/2/83.)

LSD 225.89 FT NGVD.

HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968,

LOWEST WATER LEVEL 61.27 BELOW LSD, DEC. 3, 1982.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	59.11J	NOV. 20, 1982	60.01	DEC. 5, 1982	60.80	MAY 2, 1983	55.13H
OCT. 5	59.63	NOV. 22	59.67J	DEC. 9	60.74H	MAY 23	54.64H
OCT. 10	60.75	NOV. 25	60.37	JAN. 27, 1983	55.90H	AUG. 24	52.85H
OCT. 12	60.79J	NOV. 30	61.01	MAR. 3	57.36H	SEP. 22	58.21H
NOV. 16	60.46H	DEC. 3	61.27J				

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 300.00 FT NGVD.

HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,

LOWEST WATER LEVEL 217.18 BELOW LSD, SEP. 28, 1982.

RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 24, 1983	216.67						

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.

LSD 60.00 FT NGVD.

HIGHEST WATER LEVEL 28.23 BELOW LSD, APR. 15, 1970,

LOWEST WATER LEVEL 72.04 BELOW LSD, SEP. 14, 1982.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1982	63.20C	MAR. 16, 1983	53.38	MAY 25, 1983	57.79	SEP. 20, 1983	57.53
DEC. 14	57.13C	APR. 13	57.30C	JULY 6	62.11C		

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 165.00 FT NGVD.

HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974,

LOWEST WATER LEVEL 45.67 BELOW LSD, JAN. 25, 1982.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	45.32	JAN. 27, 1983	39.60	MAY 2, 1983	36.20	AUG. 24, 1983	37.88
DEC. 9	44.52	MAR. 3	37.95	MAY 23	37.00	SEP. 22	40.91

310404092313001 LOCAL WELL NUMBER: R-1016

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 180.00 FT NGVD.

HIGHEST WATER LEVEL 31.94 BELOW LSD, JUNE 24, 1976,

LOWEST WATER LEVEL 37.52 BELOW LSD, SEP. 27, 1982.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	36.17						

See footnotes at end of table.

LOUISIANA - RAPIDES PARISH

310329092320801 LOCAL WELL NUMBER: R-1017

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 1N., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 185.00 FT NGVD.
 HIGHEST WATER LEVEL 40.88 BELOW LSD, MAY 19, 1976,
 LOWEST WATER LEVEL 46.87 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	45.42						

310340092332801 LOCAL WELL NUMBER: R-1018

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 138 FT, SCREENED 135-138. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 59.26 BELOW LSD, JUNE 17, 1974,
 LOWEST WATER LEVEL 68.45 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	65.31						

310125092324801 LOCAL WELL NUMBER: R-1019

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 150.00 FT NGVD.
 HIGHEST WATER LEVEL 44.77 BELOW LSD, MAY 9, 1974,
 LOWEST WATER LEVEL 51.40 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	47.85						

310008092340801 LOCAL WELL NUMBER: R-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 24 FT, SCREENED 21-24. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 60.00 FT NGVD.
 HIGHEST WATER LEVEL 3.17 BELOW LSD, SEP. 22, 1983,
 LOWEST WATER LEVEL 7.62 BELOW LSD, SEP. 21, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	5.98	SEP. 22, 1983	3.17				

310131092345901 LOCAL WELL NUMBER: R-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 155.00 FT NGVD.
 HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974,
 LOWEST WATER LEVEL 51.32 BELOW LSD, NOV. 16, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	51.32	JAN. 27, 1983	49.82	MAY 2, 1983	47.02	AUG. 24, 1983	47.04
DEC. 9	51.10	MAR. 3	48.59	MAY 23	46.75	SEP. 22	46.47

RAPIDES PARISH

310303092355401 LOCAL WELL NUMBER: R-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 170.00 FT NGVD.
 HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 46.06 BELOW LSD, NOV. 16, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	46.06	JAN. 27, 1983	42.92	MAY 2, 1983	39.92	AUG. 24, 1983	39.98
DEC. 9	45.68	MAR. 3	41.70	MAY 23	39.64	SEP. 22	39.54

310403092370702 LOCAL WELL NUMBER: R-1024A

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
 LSD 115.00 FT NGVD.
 HIGHEST WATER LEVEL 0.21 ABOVE LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 5.77 BELOW LSD, AUG. 26, 1981.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	4.90	JAN. 27, 1983	3.34	MAY 2, 1983	3.60	AUG. 24, 1983	2.35
DEC. 9	3.73	MAR. 3	3.44	MAY 23	+0.21	SEP. 22	2.88

310403092370701 LOCAL WELL NUMBER: R-1024B

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 115.00 FT NGVD.
 HIGHEST WATER LEVEL 1.10 ABOVE LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 4.88 BELOW LSD, AUG. 24, 1983.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	3.94	JAN. 27, 1983	+0.14	MAY 2, 1983	2.33	AUG. 24, 1983	4.88
DEC. 9	2.57	MAR. 3	2.18	MAY 23	+1.10	SEP. 22	1.92

310421092351001 LOCAL WELL NUMBER: R-1026

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 210.00 FT NGVD.
 HIGHEST WATER LEVEL 47.37 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 57.34 BELOW LSD, SEP. 30, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	51.92						

310510092344601 LOCAL WELL NUMBER: R-1027

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 148 FT, SCREENED 145-148. MP TOP OF CASING, 5.00 FT ABOVE LSD.
 LSD 230.00 FT NGVD.
 HIGHEST WATER LEVEL 70.13 BELOW LSD, OCT. 29, 1975,
 LOWEST WATER LEVEL 80.42 BELOW LSD, SEP. 30, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	74.73						

See footnotes at end of table.

LOUISIANA - RAPIDES PARISH

310555092381401 LOCAL WELL NUMBER: R-1028

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 63 FT, SCREENED 60-63. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 135.00 FT NGVD.
 HIGHEST WATER LEVEL 6.71 BELOW LSD, MAR. 19, 1976,
 LOWEST WATER LEVEL 10.15 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	7.94						

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 22 FT, SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
 LSD 140.00 FT NGVD.
 HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977,
 LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	11.46	JAN. 27, 1983	9.52	MAY 2, 1983	9.86	AUG. 24, 1983	10.81
DEC. 9	9.91	MAR. 3	9.55	MAY 23	8.05	SEP. 22	9.50

310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
 LSD 140.00 FT NGVD.
 HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977,
 LOWEST WATER LEVEL 11.73 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	11.69	JAN. 27, 1983	8.80	MAY 2, 1983	8.84	AUG. 24, 1983	10.23
DEC. 9	9.49	MAR. 3	8.59	MAY 23	7.26	SEP. 22	9.39

310552092410301 LOCAL WELL NUMBER: R-1030

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 134 FT, SCREENED 131-134. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 66.89 BELOW LSD, OCT. 29, 1975,
 LOWEST WATER LEVEL 74.09 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	73.84	SEP. 22, 1983	70.98				

310436092430201 LOCAL WELL NUMBER: R-1031

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 1N., R. 3W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 140.00 FT NGVD.
 HIGHEST WATER LEVEL 0.26 ABOVE LSD, FEB. 22, 1979,
 LOWEST WATER LEVEL 8.57 BELOW LSD, SEP. 18, 1981.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1982	8.35	MAR. 3, 1983	2.21	AUG. 24, 1983	7.50	SEP. 22, 1983	2.83
JAN. 27, 1983	0.67	MAY 2	5.65				

GROUND-WATER LEVELS

365

RAPIDES PARISH

310919092385701 LOCAL WELL NUMBER: R-1032

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 240.00 FT NGVD.
 HIGHEST WATER LEVEL 87.08 BELOW LSD, AUG. 18, 1976,
 LOWEST WATER LEVEL 91.79 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	90.24						

310927092374001 LOCAL WELL NUMBER: R-1033

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.50 FT ABOVE LSD.
 LSD 175.00 FT NGVD.
 HIGHEST WATER LEVEL 34.77 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 43.54 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	39.30						

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 195.00 FT NGVD.
 HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 52.71 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	47.74						

310806092351801 LOCAL WELL NUMBER: R-1035

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 127 FT, SCREENED 124-127. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 230.00 FT NGVD.
 HIGHEST WATER LEVEL 73.63 BELOW LSD, NOV. 10, 1977,
 LOWEST WATER LEVEL 85.49 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	81.70						

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1555 FT, SCREENED 1545-1555. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 240.00 FT NGVD.
 HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977,
 LOWEST WATER LEVEL 198.92 BELOW LSD, SEP. 21, 1983.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1982	190.96	JAN. 28, 1983	190.10	JUNE 7, 1983	192.80	SEP. 21, 1983	198.92
DEC. 8	190.88	MAR. 25	187.67	JULY 15	194.89		

LOUISIANA - RAPIDES PARISH

305451092424701 LOCAL WELL NUMBER: R-1058

OWNER: CHESTER WEST. (SEC. 6, T. 2S., R. 3W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 0.80 FT ABOVE LSD. LSD 125.00 FT NGVD.

HIGHEST WATER LEVEL 8.95 BELOW LSD, FEB. 26, 1974,

LOWEST WATER LEVEL 11.83 BELOW LSD, NOV. 17, 1972.

RECORDS AVAILABLE 1972-74, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1972	11.83	FEB. 26, 1974	8.95	MAR. 16, 1977	9.71	MAR. 3, 1983	10.41
AUG. 22, 1973	11.10						

305940092433801 LOCAL WELL NUMBER: R-1060

OWNER: VANCE JOHNSON. (SEC. 1, T. 1S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 51 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN GALV. PIPE, 1.00 FT ABOVE LSD.

LSD 184.00 FT NGVD.

HIGHEST WATER LEVEL 27.27 BELOW LSD, JUNE 20, 1975,

LOWEST WATER LEVEL 32.85 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1973-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	32.85						

310316092430101 LOCAL WELL NUMBER: R-1061

OWNER: UNKNOWN. (SEC. 13, T. 1N., R. 4W.) BORED UNUSED WATER-TABLE WELL IN ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 30 FT, OPEN BOTTOM. MP LOWER LIP OF TILE, 3.00 FT ABOVE LSD. LSD 155.00 FT NGVD.

HIGHEST WATER LEVEL 6.47 BELOW LSD, MAR. 3, 1983,

LOWEST WATER LEVEL 9.37 BELOW LSD, MAR. 23, 1978.

RECORDS AVAILABLE 1973-75, 1978, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1973	8.15	MAR. 12, 1975	7.40	MAR. 23, 1978	9.37	MAR. 3, 1983	6.47
FEB. 26, 1974	7.02						

310354092433701 LOCAL WELL NUMBER: R-1062

OWNER: UNKNOWN. (SEC. 18, T. 1N., R. 3W.) BORED UNUSED WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 11 FT, OPEN BOTTOM. MP LOWEST POINT ON TILE, 0.50 FT ABOVE LSD. LSD 145.00 FT NGVD.

HIGHEST WATER LEVEL 3.90 BELOW LSD, MAR. 3, 1983,

LOWEST WATER LEVEL 7.98 BELOW LSD, AUG. 22, 1973.

RECORDS AVAILABLE 1973-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1973	4.35	FEB. 26, 1974	4.02	MAR. 12, 1975	5.48	MAR. 3, 1983	3.90
AUG. 22	7.98						

305614092460001 LOCAL WELL NUMBER: R-1063

OWNER: RAPIDES PARISH SCHOOL BD. (SEC. 27, T. 1S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN CASING, 0.55 FT ABOVE LSD.

LSD 202.00 FT NGVD.

HIGHEST WATER LEVEL 62.77 BELOW LSD, MAR. 12, 1976,

LOWEST WATER LEVEL 67.54 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1973, 1975-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	67.54						

GROUND-WATER LEVELS

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RAPIDES PARISH

305716092323701 LOCAL WELL NUMBER: R-1066

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 1S., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 111 FT, SCREENED 106-111. MP TOP OF 2-IN GALV. PIPE, 2.10 FT ABOVE LSD.
 LSD 159.00 FT NGVD.
 HIGHEST WATER LEVEL 53.24 BELOW LSD, AUG. 7, 1974,
 LOWEST WATER LEVEL 58.97 BELOW LSD, MAR. 3, 1983.
 RECORDS AVAILABLE 1974-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	58.97						

310104092481801 LOCAL WELL NUMBER: R-1067

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 1N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 112 FT, SCREENED 106-112. MP TOP OF 2-IN GALV. PIPE, 3.60 FT ABOVE LSD.
 LSD 205.00 FT NGVD.
 HIGHEST WATER LEVEL 35.64 BELOW LSD, JUNE 20, 1975,
 LOWEST WATER LEVEL 39.17 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	36.70						

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 500 FT, SCREENED 490-500. MP TOP OF CASING, AT LSD.
 LSD 100.00 FT NGVD.
 HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975,
 LOWEST WATER LEVEL 52.76 BELOW LSD, SEP. 27, 1982.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1983	52.13						

310111092413902 LOCAL WELL NUMBER: R-1125

OWNER: MINERVA RAY. (SEC. 32, T. 1N., R. 3W.) BORED UNUSED SEMIARTESIAN WELL IN ALLUVIUM OF HOLOCENE AGE, DIAM 6 IN, DEPTH 30.5 FT, NO SCREEN. MP TOP OF CERAMIC TILE CURBING, 0.50 FT ABOVE LSD.
 LSD 143.00 FT NGVD.
 HIGHEST WATER LEVEL 20.02 BELOW LSD, FEB. 26, 1974,
 LOWEST WATER LEVEL 23.42 BELOW LSD, AUG. 22, 1973.
 RECORDS AVAILABLE 1973-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	22.15						

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 4 TO 2 IN, DEPTH 2772 FT, SCREENED 2752-2772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.
 LSD 180.00 FT NGVD.
 HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981,
 LOWEST WATER LEVEL 59.45 BELOW LSD, SEP. 22, 1983.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1982	58.35	JAN. 27, 1983	58.28	MAY 23, 1983	58.51	AUG. 31, 1983	59.39
DEC. 6	58.17	MAR. 2	58.32	JULY 14	59.06	SEP. 22	59.45

LOUISIANA - RED RIVER PARISH

RAPIDES PARISH

310007092431602 LOCAL WELL NUMBER: R-1208

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 117, SCREENED 92-117. MP TOP OF CASING, 1.70 FT ABOVE LSD.
 LSD 180.00 FT NGVD.
 HIGHEST WATER LEVEL 28.06 BELOW LSD, MAY 23, 1983,
 LOWEST WATER LEVEL 32.41 BELOW LSD, NOV. 26, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1982	32.41	JAN. 27, 1983	30.43	MAY 23, 1983	28.06	AUG. 31, 1983	28.71
DEC. 16	31.87	MAR. 2	28.56	JULY 14	28.26	SEP. 22	28.98

RED RIVER PARISH

321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 235.00 FT NGVD.
 HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 8, 1982.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	62.26	FEB. 23, 1983	59.66	JUNE 1, 1983	58.32	AUG. 23, 1983	59.24
DEC. 10	61.43	APR. 21	58.76	JULY 6	58.51	SEP. 27	59.50
JAN. 26, 1983	60.10						

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
 LSD 235.00 FT NGVD.
 HIGHEST WATER LEVEL 21.64 BELOW LSD, MAY 15, 1980,
 LOWEST WATER LEVEL 27.74 BELOW LSD, OCT. 8, 1982.
 RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	27.74	FEB. 23, 1983	26.65	JUNE 1, 1983	21.85	AUG. 23, 1983	24.14
DEC. 10	26.55	APR. 21	22.54	JULY 6	23.02	SEP. 27	24.78
JAN. 26, 1983	24.42						

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 12N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD.
 LSD 160.00 FT NGVD.
 HIGHEST WATER LEVEL 19.26 BELOW LSD, JUNE 1, 1983,
 LOWEST WATER LEVEL 20.58 BELOW LSD, NOV. 24, 1982.
 RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	20.57	FEB. 23, 1983	19.51	JUNE 1, 1983	19.26	AUG. 23, 1983	19.87
NOV. 24	20.58	APR. 21	19.57	JULY 6	19.48	SEP. 27	19.94
JAN. 26, 1983	19.86						

GROUND-WATER LEVELS

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RED RIVER PARISH

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF CASING, 4.70 FT ABOVE LSD.

LSD 128.00 FT NGVD.

HIGHEST WATER LEVEL 4.79 BELOW LSD, MAR. 8, 1983,

LOWEST WATER LEVEL 14.88 BELOW LSD, OCT. 4, 1982.

RECORDS AVAILABLE 1982-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	14.88	JAN. 7, 1983	5.86	APR. 4, 1983	6.00	JULY 5, 1983	8.01
NOV. 1	13.64	JAN. 31	7.74	MAY 2	8.13	AUG. 1	10.03
DEC. 6	9.09	MAR. 8	4.79	MAY 31	5.27	SEP. 6	12.62

RICHLAND PARISH

322956091441001 LOCAL WELL NUMBER: RI-88

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 239 FT, SCREENED 228-239. MP TOP OF 4-IN COLLAR, 3.60 FT ABOVE LSD.

LSD 85.00 FT NGVD.

HIGHEST WATER LEVEL 17.00 BELOW LSD, MAY 21, 1975,

LOWEST WATER LEVEL 20.68 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	18.59	SEP. 1, 1983	19.88				

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.

LSD 84.00 FT NGVD.

HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975,

LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.

RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	19.73	SEP. 1, 1983	20.22				

322706091453401 LOCAL WELL NUMBER: RI-91

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.90 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 10.27 BELOW LSD, MAY 21, 1975,

LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	10.83	SEP. 1, 1983	11.29				

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 10.21 BELOW LSD, FEB. 20, 1976,

LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	10.82	SEP. 1, 1983	11.26				

LOUISIANA - RICHLAND PARISH

322804091375002 LOCAL WELL NUMBER: RI-93A

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 17N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 15.09 BELOW LSD, FEB. 20, 1976,

LOWEST WATER LEVEL 18.25 BELOW LSD, JULY 20, 1970.

RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	17.18	SEP. 1, 1983	17.28				

323217091295002 LOCAL WELL NUMBER: RI-95A

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 200 FT, SCREENED 190-200. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 90.00 FT NGVD.

HIGHEST WATER LEVEL 23.76 BELOW LSD, FEB. 20, 1976,

LOWEST WATER LEVEL 25.53 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	24.08	AUG. 31, 1983	24.04				

323003091301301 LOCAL WELL NUMBER: RI-96

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 170 FT, SCREENED 160-170. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 90.00 FT NGVD.

HIGHEST WATER LEVEL 15.30 BELOW LSD, MAR. 5, 1980,

LOWEST WATER LEVEL 17.34 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	15.69						

322750091350501 LOCAL WELL NUMBER: RI-97

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 17N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 80.00 FT NGVD.

HIGHEST WATER LEVEL 13.98 BELOW LSD, MAY 21, 1975,

LOWEST WATER LEVEL 17.48 BELOW LSD, AUG. 25, 1970.

RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	15.59	SEP. 1, 1983	16.24				

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.

LSD 95.00 FT NGVD.

HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978,

LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	34.67	AUG. 31, 1983	33.86				

GROUND-WATER LEVELS

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RICHLAND PARISH

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.
 LSD 95.00 FT NGVD.
 HIGHEST WATER LEVEL 31.91 BELOW LSD, AUG. 7, 1975,
 LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	33.30	AUG. 31, 1983	32.71				

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 95.00 FT NGVD.
 HIGHEST WATER LEVEL 30.75 BELOW LSD, AUG. 20, 1979,
 LOWEST WATER LEVEL 34.53 BELOW LSD, SEP. 22, 1982.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1983	33.45	AUG. 31, 1983	33.05				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 10 IN, DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961,
 LOWEST WATER LEVEL 16.93 BELOW LSD, JULY 25, 1955, MAR. 1, 1982.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1982	14.76	MAR. 18, 1983	9.54	JULY 6, 1983	11.11	SEP. 27, 1983	13.22

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BOARD. (SEC. 12, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 6 IN, DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 305.00 FT NGVD.
 HIGHEST WATER LEVEL 83.29 BELOW LSD, MAY 31, 1979,
 LOWEST WATER LEVEL 89.80 BELOW LSD, JUNE 25, 1963.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1983	85.96	FEB. 28, 1983	85.86	JUNE 1, 1983	85.71	SEP. 29, 1983	86.96

312243093240501 LOCAL WELL NUMBER: SA-287

OWNER: A. J. HODGES. (SEC. 28, T. 5N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 6 IN, DEPTH 208 FT, SCREENED 178-208. MP 1/2-IN HOLE IN SANITARY SEAL, 1.20 FT ABOVE LSD.
 LSD 310.00 FT NGVD.
 HIGHEST WATER LEVEL 64.02 BELOW LSD, DEC. 17, 1958,
 LOWEST WATER LEVEL 70.20 BELOW LSD, FEB. 12, 1973.
 RECORDS AVAILABLE 1958, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1983	66.27						

LOUISIANA - SABINE PARISH

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 131 FT, SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.

LSD 242.00 FT NGVD.

HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973,

LOWEST WATER LEVEL 17.73 BELOW LSD, OCT. 29, 1980.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	17.60	JAN. 27, 1983	14.02	MAY 24, 1983	13.80	AUG. 30, 1983	15.43
DEC. 8	17.24	MAR. 17	13.45	JULY 6	14.14	SEP. 23	15.83

311930093362001 LOCAL WELL NUMBER: SA-387

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 402 FT, SCREENED 397-402. MP TOP OF CASING, 1.45 FT ABOVE LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 39.59 BELOW LSD, JUNE 4, 1969,

LOWEST WATER LEVEL 67.86 BELOW LSD, OCT. 28, 1965.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	44.49	JAN. 27, 1983	43.03	MAY 25, 1983	41.41	AUG. 30, 1983	43.82
DEC. 8	43.66	MAR. 18	42.22	JULY 6	45.30	SEP. 27	43.88

311930093362002 LOCAL WELL NUMBER: SA-388

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 265 FT, SCREENED 260-265. MP TOP OF CASING, 1.20 FT ABOVE LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 40.28 BELOW LSD, JAN. 31, 1974,

LOWEST WATER LEVEL 65.18 BELOW LSD, OCT. 28, 1965.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	43.22	JAN. 27, 1983	42.23	MAY 25, 1983	41.05	AUG. 30, 1983	43.04
DEC. 8	42.65	MAR. 18	41.53	JULY 6	41.87	SEP. 27	43.14

312314093352901 LOCAL WELL NUMBER: SA-389

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 5N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.30 FT ABOVE LSD.

LSD 260.00 FT NGVD.

HIGHEST WATER LEVEL 70.58 BELOW LSD, MAR. 27, 1969,

LOWEST WATER LEVEL 77.49 BELOW LSD, FEB. 2, 1967.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1982	72.92	MAR. 18, 1983	73.49	JULY 7, 1983	73.92	SEP. 27, 1983	74.59

312604093315801 LOCAL WELL NUMBER: SA-390

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 362 FT, SCREENED 357-362. MP TOP OF CASING, 0.70 FT ABOVE LSD.

LSD 325.00 FT NGVD.

HIGHEST WATER LEVEL 115.30 BELOW LSD, MAY 28, 1980,

LOWEST WATER LEVEL 117.52 BELOW LSD, DEC. 5, 1967.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1982	116.22	MAR. 18, 1983	115.86	JULY 6, 1983	115.94	SEP. 23, 1983	116.22

SABINE PARISH

312329093295201 LOCAL WELL NUMBER: SA-391

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.65 FT ABOVE LSD.

LSD 240.00 FT NGVD.

HIGHEST WATER LEVEL 0.28 ABOVE LSD, APR. 26, 1966,

LOWEST WATER LEVEL 4.85 BELOW LSD, OCT. 6, 1971.

RECORDS AVAILABLE 1965-74, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1982	0.39	MAR. 18, 1983	+0.23	JULY 6, 1983	+0.25	SEP. 23, 1983	+0.10

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 242.00 FT NGVD.

HIGHEST WATER LEVEL 23.79 BELOW LSD, JULY 3, 1975,

LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	25.13	JAN. 27, 1983	24.98	MAY 25, 1983	24.26	AUG. 30, 1983	24.44
DEC. 8	25.02	MAR. 18	24.42	JULY 6	24.37	SEP. 23	24.57

313748093451001 LOCAL WELL NUMBER: SA-394

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 8N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 278 FT, SCREENED 273-278. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 265.00 FT NGVD.

HIGHEST WATER LEVEL 106.74 BELOW LSD, APR. 9, 1975,

LOWEST WATER LEVEL 118.85 BELOW LSD, OCT. 4, 1967.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 29, 1983	109.28						

314620093460801 LOCAL WELL NUMBER: SA-395

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 1.03 ABOVE LSD, JUNE 5, 1968,

LOWEST WATER LEVEL 5.02 BELOW LSD, AUG. 24, 1983.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1982	4.41	JAN. 12, 1983	4.09	APR. 19, 1983	4.33	JULY 13, 1983	4.67
DEC. 14	4.42	FEB. 28	3.98	JUNE 1	4.11	AUG. 24	5.02

312748093393801 LOCAL WELL NUMBER: SA-462

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 6N., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.

LSD 280.00 FT NGVD.

HIGHEST WATER LEVEL 102.69 BELOW LSD, MAR. 12, 1980,

LOWEST WATER LEVEL 104.05 BELOW LSD, SEP. 21, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1982	103.57	MAR. 18, 1983	103.08	JULY 6, 1983	103.16	SEP. 27, 1983	103.17

See footnotes at end of table.

LOUISIANA - ST. LANDRY PARISH

SABINE PARISH

312725093325301 LOCAL WELL NUMBER: SA-465

OWNER: U. S. GEOL. SURVEY. (SEC. 39, T. 6N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN, DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 4.04 FT ABOVE LSD.
 LSD 265.00 FT NGVD.
 HIGHEST WATER LEVEL 39.55 BELOW LSD, MAY 28, 1980,
 LOWEST WATER LEVEL 47.46 BELOW LSD, SEP. 21, 1982.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1982	47.13	MAR. 18, 1983	41.83	JULY 6, 1983	39.69	SEP. 23, 1983	42.76

ST. LANDRY PARISH

303108092041201 LOCAL WELL NUMBER: SL-37

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 624-629. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 60.00 FT NGVD.
 HIGHEST WATER LEVEL 68.56 BELOW LSD, JUNE 7, 1966,
 LOWEST WATER LEVEL 97.47 BELOW LSD, JUNE 29, 1983.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1982	87.05	MAR. 25, 1983	84.97	MAY 18, 1983	96.89	JUNE 29, 1983	97.47
JAN. 21, 1983	92.47	APR. 20	96.13	JUNE 20	97.21	AUG. 25	96.59
FEB. 25	85.41						

304007091575201 LOCAL WELL NUMBER: SL-163

OWNER: LESTER WOODS. (SEC. 33, T. 4S., R. 5E.) DRILLED DOMESTIC AND STOCK-SUPPLY ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, REPORTED DEPTH 170 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 1 1/4-IN PIPE, 1.00 FT ABOVE LSD.
 LSD 32.62 FT NGVD.
 HIGHEST WATER LEVEL 11.21 BELOW LSD, FEB. 26, 1974,
 LOWEST WATER LEVEL 19.35 BELOW LSD, SEP. 4, 1956.
 RECORDS AVAILABLE 1954-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1983	12.68A						

304645091492501 LOCAL WELL NUMBER: SL-171

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 3S., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 89 FT, SCREENED 84-89. MP TOP OF 4-IN CASING, 1.60 FT ABOVE LSD.
 LSD 30.83 FT NGVD.
 HIGHEST WATER LEVEL 0.92 BELOW LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 20.32 BELOW LSD, NOV. 4, 1963.
 RECORDS AVAILABLE 1955-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1983	4.43						

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN PIPE, 3.50 FT ABOVE LSD.
 LSD 55.23 FT NGVD.
 HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,
 LOWEST WATER LEVEL 57.29 BELOW LSD, SEP. 23, 1983.
 RECORDS AVAILABLE 1958-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1982	56.94	JAN. 28, 1983	57.09	APR. 22, 1983	56.77	JULY 14, 1983	57.16
NOV. 23	56.95	FEB. 25	57.18	MAY 24	57.01	AUG. 16	57.25
DEC. 22	56.98	MAR. 31	56.83	JUNE 13	57.01	SEP. 23	57.29

GROUND-WATER LEVELS

5-5

ST. LANDRY PARISH

303150092252101 LOCAL WELL NUMBER: SL-200

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 708 FT, SCREENED 703-708. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
 LSD 50.72 FT NGVD.
 HIGHEST WATER LEVEL 68.57 BELOW LSD, APR. 26, 1966,
 LOWEST WATER LEVEL 85.10 BELOW LSD, SEP. 23, 1981.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1982	84.04	MAR. 3, 1983	82.79	MAY 18, 1983	82.29	JUNE 29, 1983	82.00
JAN. 28, 1983	83.22	MAR. 25	82.53	JUNE 20	81.89	AUG. 25	82.06
FEB. 25	82.53	APR. 20	82.36				

303150092252102 LOCAL WELL NUMBER: SL-201

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 203 FT, SCREENED 197-203. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
 LSD 50.55 FT NGVD.
 HIGHEST WATER LEVEL 79.08 BELOW LSD, MAR. 23, 1966,
 LOWEST WATER LEVEL 114.14 BELOW LSD, JULY 25, 1973.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1982	97.45	MAR. 3, 1983	93.12	MAY 18, 1983	97.29	JUNE 29, 1983	99.32
JAN. 28, 1983	94.43	MAR. 25	95.42	JUNE 20	100.52	AUG. 25	95.75
FEB. 25	95.42	APR. 20	96.25				

303109092041901 LOCAL WELL NUMBER: SL-206

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP INSIDE EDGE OF 1 1/4-IN CASING, 2.00 FT ABOVE LSD.
 LSD 62.00 FT NGVD.
 HIGHEST WATER LEVEL 64.73 BELOW LSD, JUNE 9, 1966,
 LOWEST WATER LEVEL 71.66 BELOW LSD, NOV. 26, 1982.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1982	71.66	MAR. 25, 1983	70.42	MAY 18, 1983	70.19	JUNE 29, 1983	70.35
JAN. 21, 1983	70.85	APR. 20	70.27	JUNE 20	70.30	AUG. 25	68.92
FEB. 25	70.71						

303247091544301 LOCAL WELL NUMBER: SL-208

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 6S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 132 FT, SCREENED 124-132. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 3.00 BELOW LSD, FEB. 26, 1974,
 LOWEST WATER LEVEL 12.58 BELOW LSD, NOV. 18, 1969, FEB. 18, 1981.
 RECORDS AVAILABLE 1966-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1983	7.75						

304232092094701 LOCAL WELL NUMBER: SL-220

OWNER: U. S. GEOL. SURVEY. (SEC. 110, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 485 FT, SCREENED 475-485. MP TOP OF 2-IN CASING, 1.93 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 49.90 BELOW LSD, APR. 25, 1967,
 LOWEST WATER LEVEL 64.44 BELOW LSD, FEB. 18, 1981.
 RECORDS AVAILABLE 1967-69, 1977-79, 1981, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1983	61.76						

LOUISIANA - UNION PARISH

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E. R. McDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 110 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 79.60 FT NGVD.

HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,

LOWEST WATER LEVEL 17.18 BELOW LSD, DEC. 18, 1956.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1982	11.53	MAR. 16, 1983	9.82	MAY 24, 1983	7.24	SEP. 13, 1983	9.16

314827091234001 LOCAL WELL NUMBER: TS-9

OWNER: CHICAGO MILL AND LUMBER CO. (SEC. 37, T. 10N., R. 10E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 102 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM OF 3/4-IN HOLE ON SIDE OF CASING, 0.30 FT ABOVE LSD.

LSD 65.00 FT NGVD.

HIGHEST WATER LEVEL 0.71 ABOVE LSD, MAY 16, 1973,

LOWEST WATER LEVEL 25.38 BELOW LSD, DEC. 18, 1956.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1982	14.46	MAR. 16, 1983	9.02	MAY 30, 1983	1.18		

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 750 FT, SCREENED 675-750. MP HOLE IN SIDE OF CASING, AT LSD.

LSD 133.92 FT NGVD.

HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,

LOWEST WATER LEVEL 180.42 BELOW LSD, DEC. 10, 1981.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 5, 1983	177.21	MAR. 11, 1983	176.96	JUNE 22, 1983	177.11	SEP. 7, 1983	179.39

325028092113301 LOCAL WELL NUMBER: UN-78

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 727 FT, SCREENED 717-727. MP TOP OF CASING, 1.53 FT ABOVE LSD.

LSD 175.00 FT NGVD.

HIGHEST WATER LEVEL 178.85 BELOW LSD, MAR. 25, 1969,

LOWEST WATER LEVEL 197.93 BELOW LSD, AUG. 18, 1981.

RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1983	195.73	SEP. 7, 1983	195.98				

324955092084001 LOCAL WELL NUMBER: UN-79

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 749 FT, SCREENED 739-749. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.

LSD 118.00 FT NGVD.

HIGHEST WATER LEVEL 134.31 BELOW LSD, MAY 13, 1969,

LOWEST WATER LEVEL 148.18 BELOW LSD, AUG. 18, 1981.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1983	144.73	SEP. 7, 1983	147.01				

GROUND-WATER LEVELS

377

UNION PARISH

324917092242001 LOCAL WELL NUMBER: UN-80

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 710 FT, SCREENED 700-710. MP TOP OF CASING, 3.75 FT ABOVE LSD.

LSD 190.00 FT NGVD.

HIGHEST WATER LEVEL 183.65 BELOW LSD, OCT. 8, 1968,

LOWEST WATER LEVEL 218.26 BELOW LSD, SEP. 6, 1983.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1982	215.58	MAR. 2, 1983	215.46	JUNE 20, 1983	215.96	SEP. 6, 1983	218.26

324917092242002 LOCAL WELL NUMBER: UN-81

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 495 FT, SCREENED 485-495. MP TOP OF CASING, 3.83 FT ABOVE LSD.

LSD 190.00 FT NGVD.

HIGHEST WATER LEVEL 182.27 BELOW LSD, MAR. 2, 1970,

LOWEST WATER LEVEL 220.36 BELOW LSD, AUG. 27, 1980.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1982	216.19	MAR. 2, 1983	216.78	JUNE 20, 1983	216.46	SEP. 6, 1983	219.21

325550092391601 LOCAL WELL NUMBER: UN-82

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 656 FT, SCREENED 646-656. MP TOP OF CASING, 4.00 FT ABOVE LSD.

LSD 122.00 FT NGVD.

HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968,

LOWEST WATER LEVEL 161.35 BELOW LSD, SEP. 6, 1983.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1982	155.96	MAR. 1, 1983	153.69	JUNE 20, 1983	158.94	SEP. 6, 1983	161.35

325550092391602 LOCAL WELL NUMBER: UN-83

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 326 FT, SCREENED 316-326. MP TOP OF CASING, 3.88 FT ABOVE LSD.

LSD 122.00 FT NGVD.

HIGHEST WATER LEVEL 111.29 BELOW LSD, OCT. 8, 1968,

LOWEST WATER LEVEL 154.93 BELOW LSD, DEC. 4, 1980.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1982	150.73	MAR. 1, 1983	148.54	JUNE 20, 1983	151.51	SEP. 6, 1983	150.00

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968,

LOWEST WATER LEVEL 226.63 BELOW LSD, SEP. 6, 1983.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1983	224.26	SEP. 6, 1983	226.63				

LOUISIANA - UNION PARISH

325938092203901 LOCAL WELL NUMBER: UN-85

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 407 FT, SCREENED 397-407. MP TOP OF CASING, 2.90 FT ABOVE LSD.
 LSD 260.00 FT NGVD.
 HIGHEST WATER LEVEL 179.06 BELOW LSD, OCT. 17, 1968,
 LOWEST WATER LEVEL 196.77 BELOW LSD, SEP. 7, 1983.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1983	194.48	SEP. 7, 1983	196.77				

325929092114001 LOCAL WELL NUMBER: UN-86

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 1.58 FT ABOVE LSD.
 LSD 90.00 FT NGVD.
 HIGHEST WATER LEVEL 69.69 BELOW LSD, NOV. 12, 1968,
 LOWEST WATER LEVEL 90.82 BELOW LSD, SEP. 7, 1983.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1983	87.52	SEP. 7, 1983	90.82				

325929092114002 LOCAL WELL NUMBER: UN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 283 FT, SCREENED 273-283. MP TOP OF CASING, 4.35 FT ABOVE LSD.
 LSD 90.00 FT NGVD.
 HIGHEST WATER LEVEL 24.38 BELOW LSD, DEC. 16, 1968,
 LOWEST WATER LEVEL 43.33 BELOW LSD, SEP. 7, 1983.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1983	42.09	SEP. 7, 1983	43.33				

323655092211701 LOCAL WELL NUMBER: UN-134

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 19N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 269.11 BELOW LSD, JUNE 14, 1979,
 LOWEST WATER LEVEL 280.19 BELOW LSD, SEP. 9, 1983.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1982	279.14	JAN. 28, 1983	277.60	MAY 27, 1983	278.75	JULY 22, 1983	279.06
NOV. 12	279.92	MAR. 11	277.47	JUNE 22	278.58	SEP. 9	280.19
DEC. 20	279.47	APR. 19	276.18				

GROUND-WATER LEVELS

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VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U. S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN, DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.

LSD 305.27 FT NGVD.

HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961,

LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.

RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1982	181.26	DEC. 15, 1982	180.48	FEB. 22, 1983	179.04J	MAY 15, 1983	179.46
OCT. 10	181.26	DEC. 20	180.52	FEB. 25	179.27H	MAY 20	179.56
OCT. 15	181.26	DEC. 25	180.23	FEB. 28	178.92J	MAY 25	179.85
OCT. 20	181.20	DEC. 31	180.63	MAR. 5	179.50	MAY 26	180.25J
OCT. 25	180.45	JAN. 5, 1983	180.75	MAR. 10	179.83	MAY 31	179.85
OCT. 26	180.43J	JAN. 10	180.57	MAR. 31	179.86	JUNE 5	179.86
OCT. 31	180.87	JAN. 12	180.45J	APR. 5	179.31	JUNE 7	179.52H
NOV. 5	181.13	JAN. 15	180.89	APR. 9	181.36J	JUNE 10	179.66
NOV. 10	180.63	JAN. 20	181.25	APR. 10	180.88	JUNE 15	179.99
NOV. 15	180.23H	JAN. 22	181.61J	APR. 12	179.47H	JUNE 20	180.71
NOV. 19	181.15J	JAN. 25	180.83	APR. 15	179.25	JUNE 25	180.36
NOV. 20	180.46	JAN. 28	179.67H	APR. 18	178.73J	JUNE 30	180.00
NOV. 25	180.94	JAN. 31	180.17	APR. 20	179.02	JULY 5	179.73
NOV. 30	180.29	FEB. 5	180.22	APR. 25	178.92	JULY 10	180.71
DEC. 5	180.14	FEB. 10	180.69J	APR. 30	179.37	SEP. 21	179.76H
DEC. 6	180.00J	FEB. 15	179.84	MAY 5	179.11	SEP. 25	179.30
DEC. 8	179.55H	FEB. 20	179.65	MAY 10	179.13	SEP. 30	180.43
DEC. 10	180.63						

310708093100901 LOCAL WELL NUMBER: V-126

OWNER: U. S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 1278 FT, SCREENED 1192-1278. MP TOP OF CASING, 2.00 FT ABOVE LSD. (RECORDER REMOVED 12/1/82.)

LSD 338.00 FT NGVD.

HIGHEST WATER LEVEL 136.61 BELOW LSD, MAR. 5, 1943,

LOWEST WATER LEVEL 180.16 BELOW LSD, SEP. 26, 1982.

RECORDS AVAILABLE 1943, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1982	177.18	FEB. 8, 1983	174.86H	SEP. 7, 1983	178.23H	SEP. 21, 1983	174.95H
DEC. 8	174.74H	APR. 12	173.88H				

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 121.00 FT NGVD.

HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975,

LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	13.21	JAN. 27, 1983	11.62	MAY 24, 1983	12.06	AUG. 29, 1983	12.37
DEC. 8	12.39	MAR. 17	12.13	JULY 6	11.99	SEP. 27	12.24

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.

LSD 120.00 FT NGVD.

HIGHEST WATER LEVEL 31.40 ABOVE LSD, MAY 25, 1976,

LOWEST WATER LEVEL 23.20 ABOVE LSD, AUG. 24, 1982, NOV. 23, 1982.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	+23.20	JAN. 27, 1983	+24.20	MAY 24, 1983	+25.80	AUG. 29, 1983	+23.70
DEC. 8	+23.70	MAR. 17	+25.40	JULY 6	+24.20	SEP. 27	+24.50

See footnotes at end of table.

LOUISIANA - VERNON PARISH

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.

LSD 160.00 FT NGVD.

HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975,

LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1982	40.56	JAN. 27, 1983	37.00	MAY 24, 1983	35.62	AUG. 29, 1983	39.00
DEC. 8	39.27	MAR. 17	36.57	JULY 6	37.70	SEP. 27	39.47

311201093080203 LOCAL WELL NUMBER: V-425B

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1404 FT, SCREENED 1394-1404. MP TOP OF BUSHING, 3.90 FT ABOVE LSD.

LSD 305.00 FT NGVD.

HIGHEST WATER LEVEL 164.66 BELOW LSD, JAN. 31, 1980,

LOWEST WATER LEVEL 168.44 BELOW LSD, SEP. 21, 1983.

RECORDS AVAILABLE 1968-75, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1982	167.32	JAN. 28, 1983	167.76	APR. 12, 1983	167.84	JULY 15, 1983	168.06
NOV. 15	168.23	MAR. 2	165.80	MAY 7	167.93	SEP. 21	168.44

310029092583001 LOCAL WELL NUMBER: V-450

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 1S., R. 6W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 24 FT, SCREENED 19-24. MP TOP OF 2-IN GALV. PIPE, 1.60 FT ABOVE LSD.

LSD 224.00 FT NGVD.

HIGHEST WATER LEVEL 6.18 BELOW LSD, OCT. 24, 1974,

LOWEST WATER LEVEL 16.43 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	9.93						

305434092595201 LOCAL WELL NUMBER: V-451

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 2S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 163 FT, SCREENED 157-163. MP TOP OF 2-IN GALV. PIPE, 2.40 FT ABOVE LSD.

LSD 201.00 FT NGVD.

HIGHEST WATER LEVEL 55.21 BELOW LSD, MAR. 2, 1976,

LOWEST WATER LEVEL 58.41 BELOW LSD, MAR. 3, 1983.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	58.41						

305620092514501 LOCAL WELL NUMBER: V-452

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 1S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 128 FT, SCREENED 122-128. MP TOP OF 2-IN GALV. PIPE, 2.00 FT ABOVE LSD.

LSD 170.00 FT NGVD.

HIGHEST WATER LEVEL 20.72 BELOW LSD, MAR. 2, 1976,

LOWEST WATER LEVEL 25.35 BELOW LSD, NOV. 8, 1978.

RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	24.08						

GROUND-WATER LEVELS

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WEBSTER PARISH

325752093271801 LOCAL WELL NUMBER: WB-27

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 23N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 18 TO 12 IN, DEPTH 311 FT, SCREENED 231-311. MP TOP OF CASING, 0.22 FT ABOVE LSD.

LSD 245.00 FT NGVD.

HIGHEST WATER LEVEL 52.00 BELOW LSD, OCT. 7, 1937,

LOWEST WATER LEVEL 169.20 BELOW LSD, OCT. 18, 1947.

RECORDS AVAILABLE 1937, 1947-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1982	58.15	JAN. 28, 1983	54.94	MAY 16, 1983	53.90	JULY 22, 1983	56.94
NOV. 15	57.02	MAR. 8	54.46	JUNE 21	56.20	AUG. 30	58.48
DEC. 22	56.46	APR. 11	53.77				

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 89 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN AIR LINE, 3.00 FT ABOVE LSD.

LSD 218.00 FT NGVD.

HIGHEST WATER LEVEL 18.99 BELOW LSD, JULY 16, 1975,

LOWEST WATER LEVEL 36.18 BELOW LSD, SEP. 11, 1967.

RECORDS AVAILABLE 1948-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1983	34.78	AUG. 31, 1983	33.66				

323553093141101 LOCAL WELL NUMBER: WB-285

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 608 FT, SCREENED 598-608. MP HOLE IN CASING CAP, 3.85 FT ABOVE LSD.

LSD 340.00 FT NGVD.

HIGHEST WATER LEVEL 151.67 BELOW LSD, APR. 14, 1970,

LOWEST WATER LEVEL 190.99 BELOW LSD, AUG. 30, 1982.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1983	185.79	AUG. 26, 1983	187.83				

325200093151701 LOCAL WELL NUMBER: WB-326

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 22N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 470 FT, SCREENED 460-470. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.

LSD 260.00 FT NGVD.

HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976,

LOWEST WATER LEVEL 113.56 BELOW LSD, AUG. 30, 1982.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	112.37	MAR. 1, 1983	112.40	JUNE 20, 1983	112.13	AUG. 26, 1983	113.22

330040093190001 LOCAL WELL NUMBER: WB-338

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 23N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 425 FT, SCREENED 415-425. MP TOP OF CASING, 3.70 FT ABOVE LSD.

LSD 230.00 FT NGVD.

HIGHEST WATER LEVEL 90.38 BELOW LSD, MAR. 15, 1977,

LOWEST WATER LEVEL 100.06 BELOW LSD, DEC. 6, 1979.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1983	93.20	JUNE 20, 1983	93.16	AUG. 26, 1983	93.99		

LOUISIANA - WINN PARISH

WEBSTER PARISH

324528093153501 LOCAL WELL NUMBER: WB-398

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 550-560. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 260.00 FT NGVD.

HIGHEST WATER LEVEL 100.10 BELOW LSD, JULY 19, 1979,

LOWEST WATER LEVEL 103.12 BELOW LSD, AUG. 30, 1982.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	102.30	MAR. 1, 1983	102.15	JUNE 20, 1983	101.80	AUG. 26, 1983	102.47

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 298 FT, SCREENED 288-298. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 205.00 FT NGVD.

HIGHEST WATER LEVEL 44.00 BELOW LSD, MAY 13, 1980,

LOWEST WATER LEVEL 46.34 BELOW LSD, NOV. 3, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	45.37	MAR. 1, 1983	44.63	JUNE 20, 1983	44.92	AUG. 26, 1983	45.08

WINN PARISH

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFIELD. (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH APPROXIMATELY 120 FT, SCREENED 100-120. MP TOP EDGE OF SHELTER FLOOR, 2.20 FT ABOVE LSD.

LSD 135.00 FT NGVD.

HIGHEST WATER LEVEL 14.93 BELOW LSD, MAY 7, 1961,

LOWEST WATER LEVEL 30.32 BELOW LSD, DEC. 1, 1949.

RECORDS AVAILABLE 1949, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	18.29	MAR. 10, 1983	17.37	JUNE 23, 1983	16.90	SEP. 8, 1983	17.66

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFIELD. (SEC. 24, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH 583 FT, SCREENED 553-583. MP TOP OF CASING, AT LSD.

LSD 135.00 FT NGVD.

HIGHEST WATER LEVEL 48.00 BELOW LSD, MAY 27, 1952,

LOWEST WATER LEVEL 85.05 BELOW LSD, JUNE 20, 1970.

RECORDS AVAILABLE 1952, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1982	80.85	FEB. 14, 1983	74.16	MAY 17, 1983	69.23	JULY 22, 1983	71.84
NOV. 17	82.03	MAR. 10	73.13	JUNE 23	69.73	SEP. 8	75.56
DEC. 20	78.01	APR. 14	69.38				

315450092310102 LOCAL WELL NUMBER: W-144B

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 140.00 FT NGVD.

HIGHEST WATER LEVEL 34.84 BELOW LSD, SEP. 8, 1983,

LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.

RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	34.93	MAR. 29, 1983	35.01	SEP. 8, 1983	34.84		

WINN PARISH

320619092341601 LOCAL WELL NUMBER: W-156

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 13N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 829 FT, SCREENED 819-829. MP TOP OF CASING, 3.00 FT ABOVE LSD.

LSD 257.00 FT NGVD.

HIGHEST WATER LEVEL 196.18 BELOW LSD, MAR. 25, 1976,

LOWEST WATER LEVEL 201.68 BELOW LSD, SEP. 8, 1983.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1982	201.09	MAR. 3, 1983	200.74	JUNE 23, 1983	200.89	SEP. 8, 1983	201.68

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 140.00 FT NGVD.

HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,

LOWEST WATER LEVEL 85.10 BELOW LSD, SEP. 8, 1983.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1983	84.36	SEP. 8, 1983	85.10				

315338092400001 LOCAL WELL NUMBER: W-177

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 11N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 695 FT, SCREENED 685-695. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 185.00 FT NGVD.

HIGHEST WATER LEVEL 57.18 BELOW LSD, JUNE 23, 1983,

LOWEST WATER LEVEL 62.48 BELOW LSD, FEB. 21, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1982	59.67	FEB. 14, 1983	58.10	MAY 17, 1983	57.24	JULY 22, 1983	57.41
NOV. 17	59.62	MAR. 10	57.49	JUNE 23	57.18	SEP. 8	58.02
DEC. 22	58.91	APR. 14	57.46				

320040092392101 LOCAL WELL NUMBER: W-178

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 588-598. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.

LSD 135.00 FT NGVD.

HIGHEST WATER LEVEL 64.70 BELOW LSD, MAY 19, 1980,

LOWEST WATER LEVEL 70.66 BELOW LSD, OCT. 13, 1981.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1982	68.66	FEB. 14, 1983	69.25	MAY 17, 1983	68.83	JULY 22, 1983	69.28
NOV. 17	70.63	MAR. 10	69.37	JUNE 23	68.93	SEP. 8	70.44
DEC. 22	70.15	APR. 14	68.97				

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.

LSD 195.00 FT NGVD.

HIGHEST WATER LEVEL 105.08 BELOW LSD, SEP. 8, 1983,

LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.

RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1983	105.74	SEP. 8, 1983	105.08				

+ Above land-surface datum.

A Well being pumped.

C Nearby well or wells being pumped.

D Nearby well or wells pumped recently.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.



Figure 18.--Location of wells for which water-quality data are included.

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1982 TO SEPTEMBER 1983

WELL NO.	LOCATION T. R. SEC.	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, (FEET)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE FIELD (UMHOS)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS)	PH FIELD (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
CADDOPARISH										
2/CD- 589	14N 16W 9	321237094010001	124WLCX	270	83-09-16	327	--	8.4	20.0	0
CALDWELL PARISH										
CA- 103	12N 3E 11	320150092082901	124CCKF	372	83-04-08	253	--	6.8	--	5
DE SOTO PARISH										
DS- 513	11N 15W 22	315540093534001	124WLCX	78	82-11-02	109	--	6.1	20.5	0
DS- 538	12N 15W 28	315944093541901	124WLCX	160	83-03-03	--	3470	8.5	--	20
DS- 542	12N 16W 16	320117094005601	124WLCX	200	83-03-10	--	89	3/5.2	--	0
DS- 543	11N 15W 25	315441093510401	124WLCX	253	83-03-23	--	996	9.2	--	10
DS- 544	12N 15W 20	320027093540201	124WLCX	152	83-03-22	--	743	8.2	--	0
DS- 545	11N 16W 13	315650093571503	124WLCX	70	83-03-23	--	373	6.2	--	0
DS- 547	12N 15W 20	320023093563601	124WLCX	175	83-07-19	625	--	8.0	--	20
DS- 560	11N 14W 30	315420093502301	124WLCX	210	83-06-02	1240	--	8.1	--	30
DS- 562	11N 15W 20	315545093550901	124WLCX	335	83-06-02	2590	--	8.6	--	30
DS- 565	12N 16W 12	320244093572501	124WLCX	160	83-06-01	638	--	8.7	--	5

NATCHITOCHES PARISH										
2/NA- 497	9N 9W 9	314703093173301	124WLCX	230	83-09-26	1520	--	9.2	19.5	80
WINN PARISH										
W- 144B	11N 1W 19	315450092310102	124SPRT	550	83-03-29	1550	--	--	--	200
W- 185	9N 5W 26	314356092510101	112UPTC	116	83-04-26	--	64	5.9	--	0

WELL NO.	LOCATION T. R. SEC.	DATE OF SAMPLE	HARD-NESS (MG/L AS CaCO3)	HARD-NESS, NONCAR-BONATE (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CaCO3)	ALKA-LINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
CADDOPARISH--Continued											
CD- 589	14N 16W 9	83-09-16	12	0	3.8	.5	70	1.4	144	--	.4
CALDWELL PARISH--Continued											
CA- 103	12N 3E 11	83-04-08	56	0	12	6.3	34	3.6	110	--	9.8
DE SOTO PARISH--Continued											
DS- 513	11N 15W 22	82-11-02	17	0	3.6	1.9	12	2.7	--	34	.6
DS- 538	12N 15W 28	83-03-03	15	0	3.6	1.5	780	6.6	791	--	.6
DS- 542	12N 16W 16	83-03-10	8	5	2.0	.7	12	.7	--	3.0	4.8
DS- 543	11N 15W 25	83-03-23	2	0	.4	.2	230	1.1	420	--	.6
DS- 544	12N 15W 20	83-03-22	7	0	2.0	.5	180	1.2	251	--	49
DS- 545	11N 16W 13	83-03-23	36	0	8.9	3.3	58	1.6	64	--	5.6
DS- 547	12N 15W 20	83-07-19	5	0	1.8	.2	150	1.3	--	308	.2
DS- 560	11N 14W 30	83-06-02	31	0	6.6	3.5	280	5.5	531	--	33
DS- 562	11N 15W 20	83-06-02	6	0	1.2	.7	600	5.7	709	--	.6
DS- 565	12N 16W 12	83-06-01	3	0	1.1	.1	160	2.8	309	--	8.0

NATCHITOCHES PARISH--Continued											
NA- 497	9N 9W 9	83-09-26	6	0	1.4	.5	380	1.9	659	--	120
WINN PARISH--Continued											
W- 144B	11N 1W 19	83-03-29	4	0	1.5	.1	380	2.9	--	614	.2
W- 185	9N 5W 26	83-04-26	4	0	1.1	.3	8.0	1.1	--	5.0	.0

1/See explanation of geologic unit (aquifer) at end of table.

2/See third table for minor elements.

3/Lab measurement.

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1982 TO SEPTEMBER 1983

WELL NO.	LOCATION T. R. SEC.	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
CADDOPARISH--Continued										
CD- 589	14N 16W 9	83-09-16	22	.2	27	210	212	.23	20	26
CALDWELL PARISH--Continued										
CA- 103	12N 3E 11	83-04-08	12	.2	42	189	186	.45	1600	150
DE SOTO PARISH--Continued										
DS- 513	11N 15W 22	82-11-02	6.0	.1	47	104	94	.30	2900	95
DS- 538	12N 15W 28	83-03-03	640	3.7	10	2000	1920	.55	90	0
DS- 542	12N 16W 16	83-03-10	18	.0	44	95	86	1.3	20	9
DS- 543	11N 15W 25	83-03-23	74	1.0	12	587	573	1.7	30	0
DS- 544	12N 15W 20	83-03-22	50	.2	15	446	450	1.5	40	19
DS- 545	11N 16W 13	83-03-23	67	.0	54	230	237	.16	4300	75
DS- 547	12N 15W 20	83-07-19	16	.8	15	395	372	1.4	330	17
DS- 560	11N 14W 30	83-06-02	76	3.4	18	753	745	.46	40	23
DS- 562	11N 15W 20	83-06-02	440	5.6	11	1520	1490	.40	20	63
DS- 565	12N 16W 12	83-06-01	20	.6	12	381	391	1.4	0	11
NATCHITOCHES PARISH--Continued										
NA- 497	9N 9W 9	83-09-26	40	1.0	11	957	952	.67	30	23
WINN PARISH--Continued										
W- 144B	11N 1W 19	83-03-29	130	.6	23	922	908	1.4	180	20
W- 185	9N 5W 26	83-04-26	6.6	.0	13	61	37	3.8	0	11

1/GEOLOGIC UNIT (AQUIFER):

- 112MRVA - Mississippi River alluvial aquifer, Pleistocene age.
- 112UPTC - Upland terrace deposits, Pleistocene age.
- 121BLCK - Blounts Creek Member of Fleming Formation, Pliocene age.
- 124CCKF - Cockfield Formation, Eocene age.
- 124SPRT - Sparta sand, Eocene age.
- 124WLCX - Wilcox Group, Eocene-Paleocene age.

QUALITY OF GROUND WATER

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PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1982 TO SEPTEMBER 1983

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, (FEET)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE FIELD (UMHOS)	HARD-NESS (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl)
AVOUELLES PARISH													
2/AV- 8	1S	2E	28	305658092131801	121BLCK	592	83-01-28	1030	5	--	--	.0	38
3/AV- 43	1S	2E	28	305658092131001	121BLCK	601	83-01-28	1540	20	--	--	.0	170
4/AV- 431	1S	3E	30	305651092121701	121BLCK	455	83-01-28	2680	61	--	--	.2	500
5/AV- 432	1S	3E	30	305656092124101	121BLCK	500	83-01-28	1250	5	--	--	.0	87
CONCORDIA PARISH													
CO- 109	7N	6E	24	313443091484101	112MRVA	120	83-02-25	--	--	--	--	--	6.6
CO- 110	7N	6E	24	313419091482201	112MRVA	110	83-02-25	--	--	--	--	--	3800
CO- 111	7N	7E	19	313421091480601	112MRVA	110	83-02-25	--	--	--	--	--	6.8
CO- 112	7N	7E	19	313418091474801	112MRVA	110	83-02-25	--	--	--	--	--	5.8
FRANKLIN PARISH													
FR- 48	14N	7E	26	321006091431801	112MRVA	80	83-04-26	--	290	72	26	30	180
							83-08-31	--	--	--	--	--	95
FR- 49	14N	7E	26	321008091431701	112MRVA	80	83-08-31	--	--	--	--	--	250
FR- 50	14N	7E	26	321006091431501	112MRVA	80	83-04-26	--	260	64	25	28	160
							83-08-31	--	--	--	--	--	190
FR- 347	14N	7E	26	321014091431701	112MRVA	82	83-04-26	--	250	62	24	22	170
							83-08-31	--	--	--	--	--	130
FR- 367	14N	7E	26	321021091432401	112MRVA	93	83-04-26	--	350	82	35	12	99
							83-08-31	--	--	--	--	--	90
FR- 368	14N	7E	26	321011091431701	112MRVA	79	83-04-26	--	350	78	37	22	140
							83-08-31	--	--	--	--	--	260
RICHLAND PARISH													
RI- 111	17N	9E	23	322634091303901	112MRVA	67	83-04-26	--	430	100	42	29	160
							83-08-31	--	380	88	38	--	150
RI- 114	17N	9E	24	322636091295702	112MRVA	66	83-04-26	--	250	63	23	14	170
							83-08-31	--	240	55	24	--	140
RI- 124	17N	9E	25	322605091301101	112MRVA	84	83-04-26	--	670	170	62	24	310
							83-08-31	--	580	140	58	--	280
RI- 260	17N	9E	26	322605091303501	112MRVA	70	83-04-26	--	570	140	55	27	350
							83-08-31	--	500	110	54	--	300
WEBSTER PARISH													
WB- 375	17N	10W	29	322541093250101	124WLCX	135	83-07-05	6/532	110	20	14	--	36

1/ See explanation of geologic unit (aquifer) at end of previous table.

2/ Dissolved fluoride (F), 5.0 mg/L.

3/ Dissolved fluoride (F), 6.2 mg/L.

4/ Dissolved fluoride (F), 3.2 mg/L.

5/ Dissolved fluoride (F), 6.2 mg/L.

6/ Lab measurement.

QUALITY OF GROUND WATER
MINOR ELEMENTS, OCTOBER 1982 TO SEPTEMBER 1983

WELL NO.	LOCATION			DATE OF SAMPLE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	
	T.	R.	SEC.		STATION	NUMBER						
CADDO PARISH												
CD- 589	14N	16W	9	321237094010001	83-09-16	<10	<1	1	45	<1	<1	<10
NATCHITOCHES PARISH												
NA- 497	9N	9W	9	314703093173301	83-09-26	20	<1	1	46	<1	<1	<10

WELL NO.	LOCATION T. R. SEC.			DATE OF SAMPLE	COBALT,	COPPER,	LEAD,	LITHIUM	MERCURY	MOLYB-
					DIS- SOLVED (UG/L AS CO)	DIS- SOLVED (UG/L AS CU)	DIS- SOLVED (UG/L AS PB)	DIS- SOLVED (UG/L AS LI)	DIS- SOLVED (UG/L AS HG)	DENUM, DIS- SOLVED (UG/L AS MO)
CADDO PARISH--Continued										
CD- 589	14N	16W	9	83-09-16	2	< 1	4	13	.5	< 1
NATCHITOCHES PARISH--Continued										
NA- 497	9N	9W	9	83-09-26	< 1	< 1	2	7	< .1	< 1

WELL NO.	T.	R.	SEC.	DATE OF SAMPLE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)
CADDO PARISH--Continued								
CD- 589	14N	16W	9	83-09-16	< 1	< 1	< 1	4
NATCHITOCHES PARISH--Continued								
NA- 497	9N	9W	9	83-09-26	1	< 1	< 1	4

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

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

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

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