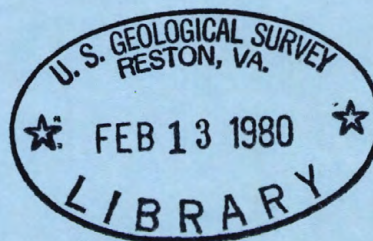


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Water Resources Data for Louisiana

Volume 1. Central and Northern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-79-1

WATER YEAR 1979

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

CALENDAR FOR WATER YEAR 1979

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OCTOBER

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Water Resources Data for Louisiana

Volume 1. Central and Northern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-79-1

WATER YEAR 1979

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, 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

1979

PREFACE

This report was prepared by personnel of the Louisiana district of the Water Resources Division of the U.S. Geological Survey under the supervision of A. N. Cameron, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region. It was done in cooperation with the State Of Louisiana and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and S. M. Lang, Acting Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Louisiana are in three volumes as follows:

- Volume 1. Central and northern Louisiana
- Volume 2. Southern Louisiana
- Volume 3. Coastal Louisiana

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED
 [Letter after station name designates type of data: (d) discharge,
 (g) gage height, (c) chemical, (m) microbiological,
 (t) water temperature, (s) sediment]

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INTRODUCTION

Water resources data for the 1979 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 three volumes, contains discharge records for 78 gaging stations; stage record for 72 of these gaging stations; stage only for 42 gaging stations; contents for 1 reservoir; stage only for 10 lakes; water quality for 146 stations; 22 of these at gaging stations: 52 miscellaneous sites, 24 lakes, and 335 wells; and water levels for 685 observation wells. Also included are 212 crest-stage partial-record stations and flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected 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, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report 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 report is identified as "U.S. Geological Survey Water-

Data Report LA-79-1." Water-Data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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 cooperative agreement with the Survey are:

Louisiana Department of Transportation and Development, George Fischer, Secretary; Office of Public Works, Roy Aguiard, Assistant Secretary, and Office of Highways, W. T. Taylor, Assistant Secretary.

Sabine River Compact Administration, composed of L. E. Carroon, Federal representative and chairman; Gerald R. Dyson and Raymond J. Palmer for Louisiana; Neilson Davis and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, Mark E. Walton, chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army and U.S. Fish and Wildlife Service, in collection of records for 34 gaging stations and 82 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

At the beginning of the water year, streamflow was generally below average but increased so that above average runoff characterized the year.

Flooding occurred in northern Louisiana in January with a record peak discharge of 9,500 cfs (cubic feet per second) at Bayou Macon near Delhi (43 years of record).

In April, streams in southeastern Louisiana experienced flood conditions. The Pearl River near Bogalusa had a record discharge of 129,000 cfs and a peak elevation of 78.23 feet (NGVD). The Amite River near Denham Springs had high water conditions approaching those of the April 1977 flood. Peak elevation and discharge for the 1979 flood were

36.70 feet (NGVD) and 68,600 cfs, as compared to 41.08 feet (NGVD) and 110,000 cfs of the 1977 flood.

The Mississippi River was above flood stage (35 feet, NGVD), mid-March to mid-May; the river crested at 42.2 feet (NGVD), 0.6 foot above the 1973 crest, the highest since 1950. Peak discharges for the 1979 and 1973 floods were 1,380,000 cfs and 1,410,000 cfs, respectively. The Bonnet Carre' Spillway was open April 17-May 6; the overflow structure at the Old River Control Structure was in operation April 21-May 22.

In southwestern Louisiana, the Calcasieu River near Oberlin had a record maximum flow for the month of September; the maximum discharge of 27,700 cfs was more than double the previous maximum flow for this month.

Regional water-level declines continued at the rate of 1-3 feet/year for the Sparta Sand in northern Louisiana and 1-2 feet/year for the upper Miocene aquifer in central Louisiana. Water levels for the terrace, alluvial, Wilcox, and Cockfield aquifers were near normal, except for local declines in wells in the Wilcox aquifer in northwestern Louisiana.

In southwestern Louisiana, levels in wells in the Chicot aquifer were generally higher than at the end of the 1978 water year. In the rice-irrigation area, water-level changes ranged from more than 0.5 foot higher near Iowa to about 4.5 feet higher in central Acadia Parish. In the Lake Charles industrial area, levels in wells in the "200-foot," "500-foot," and "700-foot" sands were generally about 2 feet higher than in September 1978. Levels in wells in the Evangeline aquifer at Opelousas and Eunice were near 1978 levels.

In southeastern Louisiana, water levels declined slightly in wells in the Gonzales-New Orleans aquifer but rose slightly in wells in the Gramercy and Norco aquifers. Slight rises also occurred in wells in the "400-foot" and "600-foot" sands of the Baton Rouge area. Levels in wells in the "2,000-foot" sand were steady, but wells in the "1,200-foot," "1,500-foot," "2,400-foot," and "2,800-foot" sands registered slight declines. In the Florida Parishes, small declines were also noted in all except the shallower aquifers.

The results of monitoring the quality of streamflow at many sites in the State indicate that no unusual changes have taken place during the year.

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 English 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 than 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 clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "B" preceding a value indicates the results are based on colony count outside the acceptable 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 which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which 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 organisms which 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 within 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 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.

Cells/volume refers to the number of cells on any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are muticelled 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 per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic 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.

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 the amount of substance present in true chemical solution. In practice, however, the term includes all forms of substance that will pass through a 0.45-micrometer membrane filter, and thus may include some very small (coloidal) suspended particles. Analyses are performed on filtered samples.

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.

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit for 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 for 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 should contain not less than 95 percent of 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-0,4-endo-exo-5,8-dimethano-naphthanene.

Chlordane 1,2,4,5,6,7,8,8-oxtachloro-3a,4,7,7-tetrahydro-4,7-methanoindane.

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 O,O-diethyl O- (2-isopropyl-6-methyl-4-pyrimidyl) phosphorothioate.

Dieldrin should contain not less than 85 percent of 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-exo-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-1,4-endo-endo-5,8-dimethanonaphthalene.

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

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

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

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

Malathion S-(1,2-bis (ethoxycarbonyl) ethyl) O,O-dimethyl phosphorodithioate.

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

Methyl trithion phosphorodithioic acid S- (p-chlorophenyl)thio methyl O,O-dimethyl ester.

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

Mirex Dodecachlorooctahydro-1,3,4-methano-2H-cyclobuto cd pentalene.

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

Toxaphene chlorinated camphene containing 67 percent chlorine.

Trithion phosphorodithioic acid S- (p-chlorophenyl)thio - methyl O,O-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:

Atrazine 2-chloro-4-ethylamino-6-isoprophlamino-5-triazine.

Simazine 2-chloro-4,6-bis(ethylamino)-5-triazine.

2,4-D 2,4-dichlorophenoxyacetic acid.

2,4,5-T 2,4,5-trichlorophenoxyacetic 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 mg/L times 0.0027.

Suspended-sediment load is 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 day.

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

Specific conductance is a measure of the ability of a water to conduct an electrical current. 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. 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 filter.

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 day.

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 mg/L of the constituent, times the factor 0.0027, times the number of days.

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.

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-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". Records in this report 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-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 on following page.

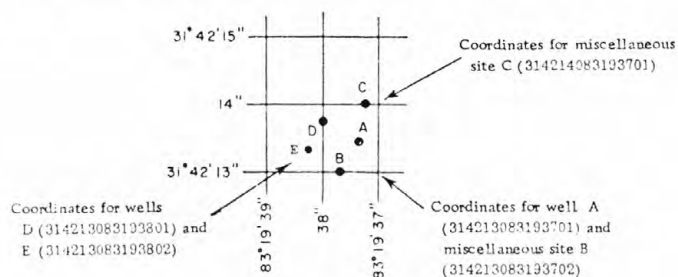


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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 the 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 radio-isotopes. 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 of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. 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 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 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" on page 8.

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 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little

significance. 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 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 appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily 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 discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 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 effects 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 water year 1977 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.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data 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 carbonate and bicarbonate in the laboratory.

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

Organics analyses

Water samples were collected from the Mississippi River to identify and quantify both volatile and semivolatile organic compounds present in the river. Volatile samples collected from the Mississippi were collected from mid-channel at a depth of twenty feet using a standard sewage sampler to minimize aeration. Volatile samples from Big Creek at Pollock were collected at mid-depth of the stream. Samples for semivolatile analysis were collected throughout the water column using a sediment sampler equipped with a teflon nozzle and teflon gaskets. All samples were stored at 4°C until time of analysis.

Volatile samples were analyzed using the "Bellar" sparging technique. The samples were sparged for 15 minutes with VHP nitrogen onto a Tonax-GC collection trap. The trap was backflushed at 200°C for 5 minutes to desorb the organics onto the chromatographic column.

Semivolatile samples were extracted with dichloromethane at three different pH levels: 1) pH of the sample (neutral extraction), 2) pH of 1 (acid extraction), and 3) pH of 2 (base extraction). The neutral and base extracts were combined for chromatographic analysis.

All samples were analyzed by Gulf South Research Institute, Department of Analytical Chemistry. Analyses were performed using a Hewlett Packard 5982 gas chromatograph/mass spectrometer (GC/MS) system.

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 of 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 a network of observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the most important aquifers.

This report updates water-level measurements for wells included in "Water Resources Data for Louisiana, 1975," and "Ground-Water Levels in Louisiana for Wells Measured through 1974," Louisiana Department of Public Works Basic Records Report No. 7. Records for some wells, for which measurements have never been published, are also included.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See figure 1.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; 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 (eom), 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 a larger unit. In the computer format used in this report, zeroes shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four 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, 1200 South Eads Street, Arlington, VA 22202 (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-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-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.
- 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.





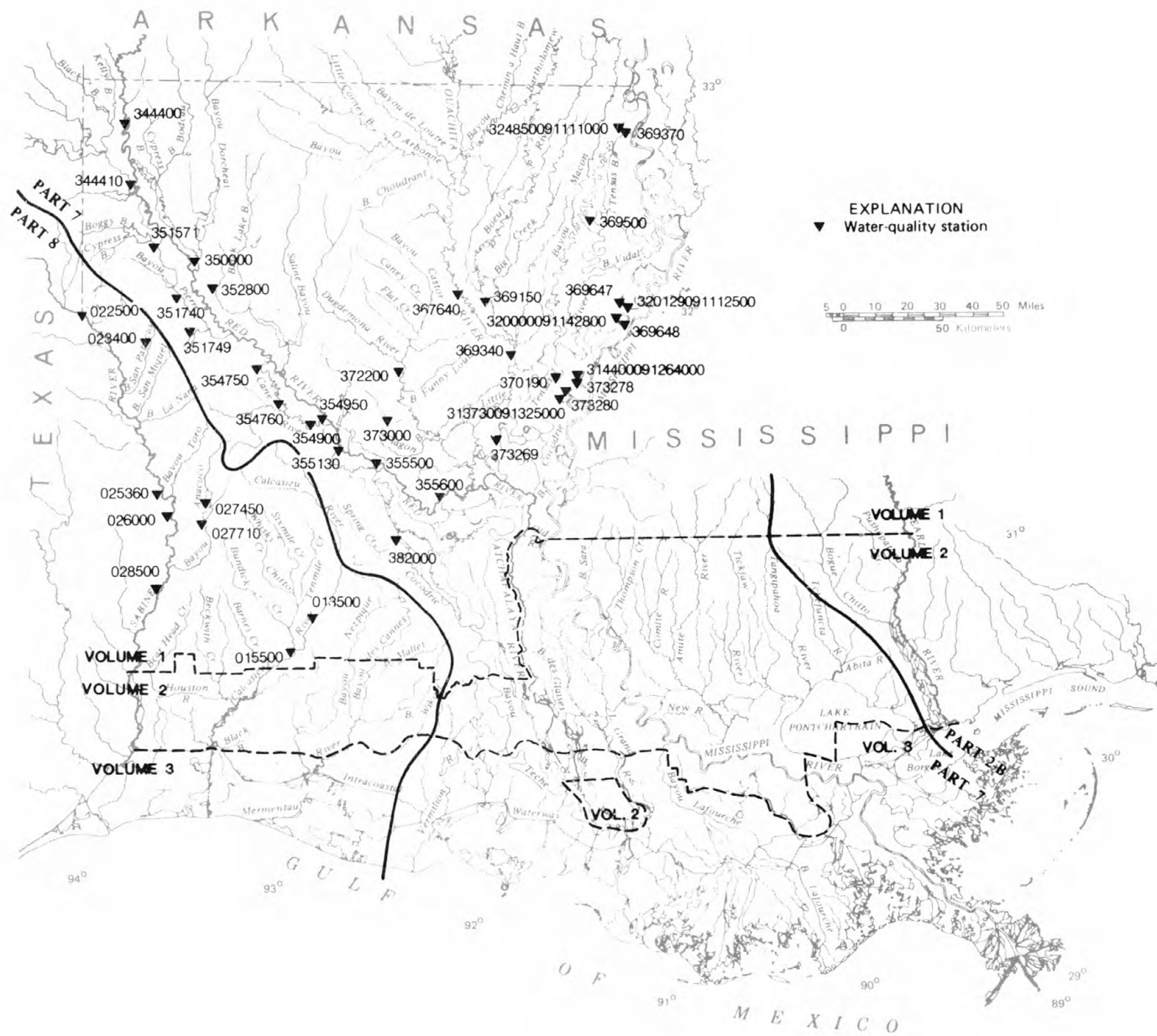


Figure 4. — Location of water-quality stations.

HYDROLOGIC-DATA STATION RECORDS

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LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal, and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi² (2,953,900 km²), approximately. The 4,000 mi² (10,400 km²), approximately, in the Great Divide basin in Southern Wyoming is not included.

PERIOD OF RECORD.--Discharge: January 1928 to September 1976. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1976 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

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

REVISED RECORDS.--WSP 747: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 mi (1.8 km) upstream maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers datum) or 46.16 ft (14.070 m) above mean Gulf level. See WRD LA-1969 or WRD MS-1973 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

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

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--48 years, 572,600 ft³/s (16,220 m³/s), 414,849,000 acre-ft/yr (512 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft or 17.80 m (Corps of Engineers gage on Yazoo diversion canal), approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR CURRENT YEAR.--Water year 1976: Maximum daily discharge, 1,020,000 ft³/s (28,900 m³/s) Mar. 7, maximum gage height, 33.60 ft (10.241 m) Mar. 7 at bridge gage, 32.02 ft (9.760 m) at supplementary recorder; minimum daily discharge, 170,000 ft³/s (4,810 m³/s) Sept. 30; minimum gage height observed, 2.50 ft (0.762 m) Nov. 24 at supplementary recorder.

RECORDS FOR THE 1977-79 WATER YEARS ARE NOT AVAILABLE IN TIME FOR INCLUSION IN THIS REPORT. THEY WILL BE PUBLISHED IN A SUBSEQUENT REPORT.

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.--Lat 32°53'35", long 93°49'20", in SW¼ sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi (2.9 km) downstream from Dry Bayou, and 3.2 mi (5.1 km) east of Hosston.

DRAINAGE AREA.--57,041 mi² (147,736 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (discharge below 5,000 ft³/s or 142 m³/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft (24.244 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.--Records good. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft or 6.65 km³), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft or 3.27 km³), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft or 2.29 km³).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 17,920 ft³/s (507 m³/s), 12,980,000 acre-ft/yr (16.0 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,000 ft³/s (6,060 m³/s) May 7, 1958, gage height, 27.89 ft (8.501 m); minimum daily, 803 ft³/s (22.7 m³/s) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.38 ft (5.602 m) Apr. 4; minimum discharge, 1,630 ft³/s (46.2 m³/s) Nov. 1, gage height, 1.05 ft (0.320 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

[illegible]

RED RIVER BASIN

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07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.61	1.08	6.01	4.21	9.95	14.34	13.43	9.82	17.20	7.87	8.64	3.17
2	1.50	1.38	5.22	4.80	9.72	14.17	16.47	9.53	17.40	7.12	8.43	2.90
3	1.51	2.08	4.90	6.42	9.68	14.21	18.03	9.22	17.63	6.54	8.14	2.64
4	1.48	2.47	4.80	8.60	9.42	15.25	18.32	9.94	17.95	6.10	8.36	2.46
5	1.55	2.65	4.50	9.67	9.16	16.07	17.92	10.90	18.15	5.84	8.12	2.25
6	1.53	2.66	4.28	10.32	9.16	16.18	17.31	12.90	18.00	5.37	7.79	2.50
7	1.54	2.32	4.33	10.80	9.33	15.93	16.11	13.86	17.73	4.98	7.75	2.67
8	1.51	1.96	5.05	10.80	9.35	15.38	16.23	13.54	17.65	4.80	7.66	2.78
9	1.50	1.86	6.52	10.75	9.35	14.94	16.51	12.68	18.10	4.77	7.20	2.75
10	1.50	1.83	7.79	10.62	9.32	14.31	16.12	11.82	17.70	4.98	6.52	2.60
11	1.47	1.69	8.38	10.36	8.84	13.57	16.00	11.12	16.26	5.18	5.59	2.37
12	1.49	1.61	7.98	10.18	8.67	12.93	16.10	10.42	15.45	5.43	4.91	2.34
13	1.48	1.52	7.39	9.72	8.12	12.34	15.82	9.62	15.80	5.48	4.70	2.40
14	1.26	1.50	7.54	9.29	7.92	11.88	15.18	9.53	16.65	5.35	4.46	2.35
15	1.11	1.44	7.62	8.80	8.06	11.27	14.73	10.31	16.95	5.05	4.12	2.44
16	1.16	1.78	6.68	8.35	8.02	10.54	14.64	10.79	17.02	4.85	3.70	2.49
17	1.26	2.45	5.48	7.34	7.94	9.74	14.69	11.39	17.32	5.00	3.41	2.43
18	1.28	6.27	4.94	6.68	7.84	8.76	14.56	11.63	17.60	5.18	3.29	2.46
19	1.33	9.55	4.61	6.66	7.77	8.20	14.12	11.72	17.38	5.18	3.23	2.52
20	1.52	10.45	3.92	7.62	7.43	8.04	13.57	11.80	16.82	5.13	3.00	2.57
21	1.63	10.45	3.47	8.82	6.97	7.87	13.04	11.65	16.25	4.82	2.80	2.78
22	1.41	10.20	3.37	9.75	6.92	8.12	12.80	11.00	15.21	4.13	2.78	2.90
23	1.30	9.84	3.31	10.20	7.17	9.07	13.28	9.78	13.70	3.77	2.79	3.55
24	1.25	9.47	3.18	10.70	7.43	10.85	13.83	9.50	12.09	4.00	2.74	4.15
25	1.16	8.74	3.02	11.48	8.79	12.88	14.46	14.31	10.37	4.89	2.69	4.20
26	1.19	7.50	2.91	11.77	11.10	14.10	14.41	16.82	9.88	4.40	2.59	4.56
27	1.17	6.45	2.86	11.50	13.10	14.37	13.68	17.02	9.15	4.33	2.42	4.70
28	1.16	6.03	3.25	10.97	14.36	14.23	12.56	16.60	8.62	4.71	2.30	4.85
29	1.27	6.20	3.43	10.63	---	13.73	11.00	16.40	8.23	5.04	2.41	4.80
30	1.34	6.24	3.48	10.25	---	13.13	10.23	16.60	8.08	6.74	2.66	4.81
31	1.20	---	3.74	10.05	---	12.47	---	16.96	---	8.02	3.09	---
MEAN	1.38	4.66	4.97	9.29	8.96	12.55	14.84	12.23	15.21	5.32	4.78	3.08
MAX	1.63	10.45	8.38	11.77	14.36	16.18	18.32	17.02	18.15	8.02	8.64	4.85
MIN	1.11	1.08	2.86	4.21	6.92	7.87	10.23	9.22	8.08	3.77	2.30	2.25

RED RIVER BASIN

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, 1,760 micromhos Oct. 1; minimum daily, 124 micromhos Apr. 24.

WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 29, Sep. 2; minimum daily, 2.0°C Jan. 10, 11, 12, 15, Feb. 1, 9.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1760	1380	219	---	175	227	203	563	378	1170	276	1010
2	1700	1450	297	490	143	245	172	594	338	1200	253	1120
3	1700	1170	---	617	226	213	173	659	359	1140	296	---
4	1550	1450	558	442	228	194	227	533	365	1160	334	1040
5	1450	1280	506	221	221	228	193	484	343	1210	335	1030
6	1520	1340	621	194	191	219	170	424	321	1320	345	997
7	1460	1350	622	194	186	189	158	365	349	1340	363	983
8	1470	1390	542	194	171	183	154	234	329	1290	375	964
9	1470	1350	504	195	172	196	152	270	294	1260	372	988
10	1470	1480	425	319	255	190	163	303	349	1110	458	1050
11	1540	1520	350	341	323	158	158	323	327	1020	517	1110
12	1590	1400	376	298	381	---	148	317	382	921	516	1050
13	1530	1490	293	278	381	163	162	302	392	1080	480	---
14	1480	1570	230	279	344	172	161	274	391	1000	497	1330
15	1450	1420	288	277	297	204	173	264	401	1020	466	1330
16	1410	1350	360	283	292	214	196	200	412	915	516	---
17	1410	1200	549	284	405	238	180	195	466	800	717	---
18	1500	623	589	344	383	236	151	234	690	809	831	---
19	1460	---	603	---	327	244	148	358	782	794	945	---
20	1350	259	507	293	241	296	137	411	816	866	1010	---
21	1370	276	556	258	242	289	128	369	840	895	930	---
22	1570	274	659	382	326	303	---	357	959	951	859	---
23	1580	246	619	426	303	---	133	326	1020	945	831	---
24	1580	209	616	319	271	343	124	302	1030	1040	901	---
25	1630	215	651	261	268	450	144	465	992	1040	882	---
26	1510	---	675	264	240	260	236	312	925	942	877	---
27	1430	283	700	202	287	211	370	318	896	934	810	---
28	1420	281	665	216	202	185	378	326	1060	840	817	---
29	1540	264	513	---	---	---	386	345	1150	560	837	---
30	1480	224	435	---	---	---	501	351	1140	559	---	---
31	1390	---	480	---	---	---	---	376	---	345	1020	---

RED RIVER BASIN

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07344400 RED RIVER NEAR HOUSTON, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	11.5	---	2.0	9.5	---	---	23.0	29.0	28.0	---
2	---	21.0	---	---	---	---	---	---	---	29.0	---	31.0
3	---	20.0	---	---	---	---	15.5	20.5	22.0	---	---	---
4	---	20.0	11.5	---	4.0	10.0	---	---	23.5	30.0	29.0	30.0
5	24.0	20.5	---	---	3.5	12.0	15.5	19.5	---	31.0	29.5	30.0
6	21.0	19.0	---	---	---	13.5	15.5	19.5	---	30.0	30.0	30.5
7	22.0	---	11.5	3.0	3.0	14.0	---	---	---	30.0	30.5	30.5
8	21.0	15.5	---	3.0	3.0	12.0	16.5	20.5	---	30.0	30.5	30.5
9	---	15.5	---	3.0	2.0	11.5	16.5	22.0	25.0	---	30.0	---
10	20.5	---	6.5	2.0	3.5	---	---	23.5	---	30.0	29.5	28.0
11	23.5	18.0	6.5	2.0	4.0	---	---	---	---	29.5	29.0	28.5
12	24.5	---	6.0	2.0	---	---	18.0	21.5	25.5	30.0	---	---
13	---	---	---	---	5.5	14.0	---	22.0	25.5	---	29.0	---
14	---	---	6.5	---	---	14.0	19.0	23.5	25.5	30.0	29.5	---
15	---	20.0	---	2.0	---	13.0	20.0	23.5	26.0	30.0	29.0	24.5
16	20.5	19.0	7.0	3.0	---	13.0	20.0	24.0	26.0	29.5	28.5	---
17	20.0	15.5	8.0	3.5	---	14.0	19.5	24.5	25.0	30.0	29.0	---
18	21.0	15.5	8.0	4.0	---	---	19.5	24.5	---	---	30.0	---
19	20.5	---	---	---	---	---	---	---	---	29.5	---	---
20	20.5	15.5	12.0	---	---	16.0	---	---	26.5	29.0	---	---
21	22.0	---	10.5	6.0	---	16.5	19.5	24.5	26.5	29.5	---	---
22	---	13.5	10.0	---	---	---	---	24.0	27.0	---	29.5	---
23	21.0	13.5	---	4.0	---	---	18.5	---	26.5	30.0	30.0	---
24	20.0	14.5	9.5	---	---	---	18.5	---	---	29.5	---	---
25	---	14.0	---	---	---	14.0	18.0	22.0	28.0	29.0	---	---
26	21.0	---	---	4.0	---	---	---	---	28.5	27.0	---	---
27	20.0	---	---	---	---	14.0	20.0	21.5	27.0	---	30.0	---
28	---	---	7.0	3.5	---	---	20.0	21.5	28.5	---	29.0	---
29	19.5	---	---	---	---	---	19.5	---	28.5	---	31.0	---
30	20.5	---	8.5	---	---	---	20.0	22.0	---	28.0	---	---
31	20.5	---	---	---	---	---	---	22.0	---	---	---	---

RED RIVER BASIN

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140202, near right bank, 2.7 mi (4.3 km) northeast of Shreveport Courthouse, 4.9 mi (7.9 km) upstream from mouth of Cross Bayou, 5.4 mi (8.7 km) upstream from gaging station at Illinois Central Railroad bridge at Shreveport (station 07348500), and at mile 282.5 (454.5 km).

DRAINAGE AREA.--57,100 mi² (147,890 km²) approximately, of which 5,936 mi² (15,374 km²) 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.--

WATER TEMPERATURES: Minimum, 2.5°C Jan. 15, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL 5 DAY PER (MG/L)	CULIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	CULIFORM, FECAL, IMMEDIATE (COLS./100 ML)
OCT											
12...	1330	1430	7.9	10	20	<1.0	10.3	60	5.2	53000	210
NOV											
13...	1100	1380	8.1	20	20	<1.0	9.1	30	4.9	K170000	1600
DEC											
00...	1330	513	7.4	40	80	<1.0	10.2	27	3.0	55000	1100
JAN											
04...	1430	595	7.7	50	120	<1.0	11.4	42	3.0	4800	940
FEB											
07...	1245	184	7.4	80	50	<1.0	11.6	40	2.2	160	K95
MAR											
05...	1345	195	7.3	100	250	<1.0	11.2	50	8.0	420	550
APR											
03...	1015	189	7.1	100	260	<1.0	7.6	130	1.3	5400	K2400
MAY											
15...	0330	289	7.2	120	50	<1.0	7.4	39	3.2	180	<10
JUN											
05...	1330	386	7.3	40	170	<1.0	6.4	30	.1	K170	K130
JUL											
10...	1700	1340	8.2	15	35	<1.0	8.4	21	.1	K350	K100
AUG											
07...	1430	384	7.4	10	45	<1.0	7.1	28	--	K600	K10
SEP											
05...	1500	1200	8.0	10	9	<1.0	8.9	25	5.6	--	320

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	AMMONIUM- NITROGEN (MG/L AS N)	HARD- NESS, NON-CAR- BONATE (MG/L AS CaCO3)	CALCIUM DISE- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DISE- SOLVED (MG/L AS Mg)	CHLOR- IDE, DISE- SOLVED (MG/L AS Cl)	CAR- BONATE (MG/L AS CO3)	SULFATE DISE- SOLVED (MG/L AS SO4)	CHLO- RIDE, DISE- SOLVED (MG/L AS Cl)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	
OCT												
19...	350	150	93	23	247	0	140	240	16	.00	.00	
NOV												
15...	290	110	77	23	213	0	180	250	38	.00	.01	
DEC												
05...	120	57	34	7.7	73	0	58	77	107	.42	.03	
JAN												
04...	140	61	32	10	94	0	67	92	226	.29	.04	
FEB												
07...	56	11	17	3.2	55	0	18	15	100	.54	.08	
MAR												
05...	91	45	31	3.2	54	0	20	13	252	.37	.10	
APR												
03...	59	9	10	2.9	52	0	16	8.5	894	.29	.10	
MAY												
16...	--	--	--	--	74	0	24	23	162	.23	.02	
JUN												
05...	98	43	30	5.5	67	0	43	52	316	.34	.20	
JUL												
10...	280	150	76	23	156	0	210	230	55	.00	.02	
AUG												
07...	110	41	30	7.9	81	0	42	58	101	.00	.04	
SEP												
05...	260	110	71	20	180	0	160	200	--	.03	.00	
DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DISE- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (MG/L AS As)	ARSENIC SUS- PENDED TOTAL (MG/L AS As)	ARSENIC DISE- SOLVED (MG/L AS As)	BERYL- LIUM, TOTAL RECOV- ERABLE (MG/L AS Be)	BERYL- LIUM, SUS- PENDED RECOV- ERABLE (MG/L AS Be)	BERYL- LIUM, DISE- SOLVED (MG/L AS Be)	CADMIUM TOTAL RECOV- ERABLE (MG/L AS Cd)	CADMIUM SUS- PENDED RECOV- ERABLE (MG/L AS Cd)	CADMIUM DISE- SOLVED (MG/L AS Cd)
OCT												
19...	.00	.56	.09	2	1	1	0	0	0	2	0	2
NOV												
15...	.01	.74	.11	2	1	1	1	0	1	1	0	1
DEC												
05...	.45	.89	.20	2	1	1	0	0	0	0	0	0
JAN												
04...	.33	.84	.31	2	1	1	10	10	0	0	0	0
FEB												
07...	.62	.87	.13	2	1	1	0	0	0	0	0	0
MAR												
06...	.47	.84	.11	4	3	1	10	10	0	0	0	0
APR												
03...	.39	.52	.36	6	5	1	0	0	0	0	0	0
MAY												
16...	.25	.47	.16	--	--	--	--	--	--	0	--	--
JUN												
05...	.54	.65	.20	2	1	1	0	0	0	2	0	2
JUL												
10...	.02	.13	.09	2	1	1	1	0	1	1	0	1
AUG												
07...	.04	.59	.11	2	0	2	10	9	1	1	0	1
SEP												
05...	.03	.55	.06	2	1	1	0	0	0	2	0	2

RED RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT DIS- (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
OCT 19...	9	0	3	0	3	10	0	0	0	.0	.0	.0
NOV 15...	10	0	39	34	5	40	7	5	2	.1	.0	.1
DEC 06...	10	2	8	4	4	110	11	6	5	.0	.0	.0
JAN 04...	10	0	16	4	12	210	8	6	2	.0	.0	.0
FEB 07...	0	0	12	0	12	130	8	7	1	.0	.0	.0
MAR 06...	20	0	18	14	4	90	22	19	3	.0	.0	.0
APR 03...	20	0	120	116	4	100	19	19	0	.1	.1	.0
MAY 16...	10	--	14	--	--	--	10	--	--	--	--	--
JUN 05...	20	0	11	7	4	100	10	10	0	.1	.0	.1
JUL 10...	10	0	5	3	2	0	6	6	0	.1	.0	.1
AUG 07...	10	0	4	0	4	10	3	0	3	.0	.0	.0
SEP 05...	10	--	5	0	5	10	6	5	1	.3	.1	.2
DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE)	SELENIUM, SUSPENDED RECOVERABLE (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANAD- IUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 19...	4	4	0	0	0	0	--	10	0	10	8.0	.00
NOV 15...	4	0	4	1	0	1	--	20	0	20	5.9	.00
DEC 06...	9	6	3	0	0	0	.0	20	0	20	8.8	.00
JAN 04...	12	7	5	0	0	0	.7	30	0	30	13	.00
FEB 07...	0	4	2	0	0	0	.1	30	20	10	9.8	.00
MAR 06...	20	20	0	0	0	0	.1	60	50	10	13	.00
APR 03...	22	22	0	1	1	0	1.0	70	60	10	18	.00
MAY 16...	14	--	--	--	--	--	.0	30	--	--	10	.00
JUN 05...	14	12	2	0	0	0	.5	70	50	20	13	.00
JUL 10...	4	4	0	0	0	0	--	20	20	5	--	.00
AUG 07...	4	0	4	0	0	0	1.0	10	1	9	9.6	.00
SEP 05...	2	0	2	0	0	0	1.0	10	3	7	11	.00

RED RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PETROLEUMS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BUT- TERIAL (UG/KG)	NAPHTHA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL IN BUT- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BUT- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BUT- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BUT- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	
OCT 19...	0	0	.0	1	.00	.003	.0	.0	0	.000	.0	.000
NOV 15...	0	0	.0	--	.00	.000	--	.0	--	.000	--	.000
DEC 06...	3	0	.0	--	.00	.000	--	.0	--	.000	--	.004
JAN 04...	0	--	.0	0	--	.000	.0	.0	0	.000	1.0	.003
FEB 07...	1	0	.0	--	--	.000	--	.0	--	.000	--	.001
MAR 06...	2	0	.0	--	--	.000	--	.0	--	.000	--	.003
APR 03...	0	0	.0	0	.00	.000	.0	.0	0	.000	.0	.000
MAY 16...	4	--	--	--	--	--	--	--	--	--	--	--
JUN 05...	3	0	.0	--	.00	.000	--	.0	--	.000	--	.000
JUL 10...	1	1	.0	2	.00	.000	.0	.0	0	.000	.0	.000
AUG 07...	2	2	.0	--	.00	.000	--	.0	--	.000	--	.000
SEP 05...	1	0	.0	--	.00	.000	--	.0	--	.000	--	.000

DATE	DDE, TOTAL IN BUT- TERIAL (UG/KG)	DDD, TOTAL IN BUT- TERIAL (UG/L)	DDE, TOTAL IN BUT- TERIAL (UG/KG)	DDE, TOTAL IN BUT- TERIAL (UG/L)	DDE, TOTAL IN BUT- TERIAL (UG/KG)	DDE, TOTAL IN BUT- TERIAL (UG/L)	DDE, TOTAL IN BUT- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/KG)	ETHION, TOTAL IN BUT- TERIAL (UG/L)	ETHION, TOTAL IN BUT- TERIAL (UG/KG)
OCT 19...	.0	.000	.0	.00	.0	.001	.0	.000	.000	.0	.00	.0
NOV 15...	--	.000	--	.00	--	.000	--	.000	.000	--	.00	--
DEC 06...	--	.005	--	.00	--	.000	--	.000	.000	--	.00	--
JAN 04...	.8	.003	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0
FEB 07...	--	.001	--	.00	--	.000	--	.000	.000	--	.00	--
MAR 06...	--	.004	--	.00	--	.000	--	.000	.000	--	.00	--
APR 03...	.0	.007	.0	.00	.0	.007	.0	.000	.000	.0	.00	.0
JUN 05...	--	.000	--	.01	--	.000	--	.000	.000	--	.00	--
JUL 10...	1.6	.000	.0	.01	.0	.003	.0	.000	.000	.0	.00	.0
AUG 07...	--	.000	--	.00	--	.000	--	.000	.000	--	.00	--
SEP 05...	--	.000	--	.01	--	.000	--	.000	.000	--	.00	--

RED RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOT. IN BOTTOM MATERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)
OCT												
19...	.000	.0	.000	.0	.001	.0	.00	.0	.00	.00	.0	.00
NOV												
15...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
DEC												
06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
JAN												
04...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
FEB												
07...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
MAR												
06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
APR												
03...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
JUN												
05...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
JUL												
10...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
AUG												
07...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
SEP												
05...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00

DATE	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOT. IN BOTTOM MATERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT												
19...	.0	.00	.00	.0	.00	.0	.0	.00	.0	.00	.00	.00
NOV												
15...	--	.00	.00	--	.00	.0	--	.00	--	.00	.00	.00
DEC												
06...	--	.00	.00	--	.00	.0	--	.00	--	.01	.02	.00
JAN												
04...	.0	.00	.00	.0	.00	.0	.0	.00	.0	.02	.01	.00
FEB												
07...	--	.00	.00	--	.00	.0	--	.00	--	.00	.00	.00
MAR												
06...	--	.00	.00	--	.00	.0	--	.00	--	.02	.00	.00
APR												
03...	.0	.00	.00	.0	.00	.0	.0	.00	.0	.04	.01	.00
JUN												
05...	--	.00	.00	--	.00	.0	--	.00	--	.05	.02	.00
JUL												
10...	.0	.00	.00	.0	.00	.0	.0	.00	.0	.00	.89	.00
AUG												
07...	--	.00	.00	--	.00	.0	--	.00	--	.02	.09	.00
SEP												
05...	--	.00	.00	--	.00	.0	--	.00	--	.00	.00	.00

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

LOCATION.--Lat 32°31'00", long 93°58'20", in SE¼ 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 mi (2 km) upstream from Cross Lake, 5.1 mi (8.2 km) north of Greenwood, and 11 mi (18 km) west of Shreveport.

DRAINAGE AREA.--80.5 mi² (208 km²).

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

REVISED RECORDS.--WDR-78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft (51.923 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 64.3 ft³/s (1.821 m³/s), 11.19 in/yr (284 mm/yr), 46,590 acre-ft/yr (57.4 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s (467 m³/s) Apr. 27, 1958, gage height, 13.84 ft (4.218 m) from rating curve extended above 8,100 ft³/s (229 m³/s); no flow at times each year.

EXTREMES FOR CURRENT YEAR. -- Peak discharge above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 7	1630	1670 47.3	9.96 3.036	Mar. 31	1530	6110 173	11.79 3.594
Jan. 20	1000	*11600 330	*12.98 3.956	Apr. 23	0330	5720 105	11.09 3.380
Feb. 25	1515	1210 34.3	9.34 2.847	May 4	1445	8900 252	12.43 3.789

No flow Oct. 1 to Nov. 26.

REVISIONS.--Revised daily discharge, in cubic feet per second, for Apr. 27, 1958, is 9,250 cfs, superseding figure published in WSP 1631 and 1731.

	TOTAL	MEAN	MAX	MIN	CFSM	IN.	AC-FT
April 1958.....	13922.5	464	9250	6.8	5.76	6.43	27620
Water year 1958...	47034.7	129	9250	0	1.60	21.73	93290

The peak discharges and annual maximum (*) for some water years have been revised as shown in the following table. They supersede figures published in the water-supply papers and water-data publications indicated.

Publication	Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
WSP 1511, 1731	1957	Apr. 28, 1957	0500	*4170 118	*11.24 3.426
WSP 1631, 1731	1958	Jan. 14, 1958	1130	1300 36.8	9.59 2.923
Do.....	1958	Jan. 21.....	1200	1750 49.6	10.05 3.063
Do.....	1958	Apr. 27.....	0530	*16500 467	*13.84 4.218
Do.....	1958	June 17.....	1400	2700 76.5	10.65 3.246
Do.....	1959	Feb. 15, 1959	1230	1400 39.6	9.72 2.963
Do.....	1959	Mar. 11.....	1730	*3420 96.9	*10.97 3.344
WSP 1711, 1731	1960	Mar. 3, 1960	0300	*3220 91.2	*10.89 3.319
Do.....	1960	Sept. 26.....	2100	1450 41.1	9.75 2.972
WSP 1920.....	1961	Dec. 8.....	1300	*4050 115	*11.20 3.414
Do.....	1961	Jan. 1, 1961	0800	1340 37.9	9.38 2.859
Do.....	1961	Jan. 8.....	2000	1390 39.4	9.47 2.886
Do.....	1961	Jan. 25.....	1800	1440 40.8	9.50 2.896
Do.....	1961	Feb. 21.....	1800	1590 45.0	9.65 2.941
Do.....	1961	Mar. 18.....	1230	1440 40.8	9.52 2.902
Do.....	1961	Mar. 31.....	1830	1200 34.0	9.25 2.819
Do.....	1961	June 20.....	0400	3120 88.4	10.85 3.307
Do.....	1962	Oct. 2.....	unknown	2050 58.	10.30 3.139
Do.....	1962	Dec. 10.....	unknown	2800 79.3	10.70 3.261
Do.....	1962	Dec. 18.....	unknown	2540 71.9	10.57 3.222
Do.....	1962	Jan. 15, 1962	1900	2880 81.6	10.74 3.274
Do.....	1962	Jan. 27.....	0800	*2960 83.8	*10.78 3.286
Do.....	1962	May 1.....	1230	2680 75.9	10.64 3.243
Do.....	1964	Apr. 25, 1964	0930	7040 199	12.02 3.664
WSP 2120.....	1966	Apr. 26, 1966	0100	*3350 94.9	*10.94 3.335
Do.....	1966	Apr. 30.....	1000	2240 63.4	10.42 3.176
Do.....	1969	Feb. 15, 1969	1500	2020 57.2	10.28 3.133
Do.....	1969	Mar. 18.....	1945	*5000 142	*11.50 3.505
Do.....	1969	Mar. 24.....	0700	2840 80.4	10.72 3.267
Do.....	1969	Apr. 18.....	0230	1300 36.8	9.60 2.926
WRD LA-1973...	1973	Mar. 25, 1973	0700	1840 52.1	10.14 3.091
Do.....	1973	Apr. 25.....	0300	*6390 181	*11.86 3.615
Do.....	1973	June 15.....	1400	1590 45.0	9.89 3.014
Do.....	1973	July 8.....	0700	2120 62.9	10.41 3.173
WRD LA-1974...	1974	Dec. 9.....	1115	*6710 190	*11.94 3.639
Do.....	1974	Jan. 11, 1974	1330	1220 34.6	9.51 2.899
Do.....	1974	Jan. 24.....	2230	1810 51.3	10.11 3.082
Do.....	1974	Jan. 28.....	2045	1240 35.1	9.53 2.905
Do.....	1974	Feb. 22.....	0200	1740 49.3	10.04 3.060
Do.....	1974	June 8.....	unknown	1640 46.4	9.94 3.030
WRD LA-1975...	1975	Feb. 3, 1975	1000	*2620 74.2	*10.61 3.234
Do.....	1975	May 4.....	0545	1550 43.9	9.85 3.002
Do.....	1975	May 21.....	2215	1230 34.8	9.52 2.902

RED RIVER BASIN

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1		0	4.7	211	195	124	1510	22	220	1.4	4.9	.90	
2		0	3.4	242	63	90	936	13	130	1.2	8.7	1.6	
3		0	14	164	295	293	788	18	259	1.0	8.3	62	
4		0	43	38	512	496	589	5049	303	.86	4.2	29	
5		0	26	36	306	279	280	1720	115	.71	2.6	7.4	
6		0	15	212	246	78	101	779	231	.59	1.7	22	
7		0	9.9	1150	959	49	59	240	351	.59	1.1	8.4	
8		0	12	1240	995	39	45	59	270	.57	.76	3.3	
9		0	51	711	543	32	39	33	66	.50	.54	2.0	
10		0	46	166	145	27	32	22	26	12	.55	1.4	
11		0	21	55	72	25	27	17	16	4.8	.50	.93	
12		0	11	39	56	24	37	17	11	2.2	.47	.65	
13		0	6.7	31	46	22	40	15	7.9	1.3	.28	.44	
14		0	4.7	24	42	20	27	13	6.5	1.2	.16	.26	
15		0	3.7	18	39	17	18	10	5.6	3.3	.79	.13	
16		0	3.1	16	34	17	14	8.5	4.8	5.1	7.4	.08	
17		0	2.6	14	28	19	12	7.2	4.1	2.9	4.6	.05	
18		0	2.2	22	47	22	10	6.4	3.6	1.9	2.1	.09	
19		0	1.9	497	126	22	9.7	6.0	3.3	1.3	1.1	.16	
20		0	1.7	7040	147	62	51	5.0	3.0	.90	.62	47	
21		0	1.3	1820	120	169	427	4.7	2.8	.65	.33	231	
22		0	1.1	1030	90	105	1600	5.9	2.4	.41	.22	110	
23		0	1.0	565	76	80	2550	9.4	2.1	.30	10	17	
24		0	1.0	144	365	64	1089	7.0	2.1	.18	61	8.1	
25		0	.90	62	993	37	572	5.3	2.6	.10	83	4.7	
26		0	.85	115	879	25	138	4.2	2.3	1.9	15	3.0	
27		55	.75	315	415	20	43	3.5	2.0	9.5	7.5	2.2	
28		45	.61	203	134	18	29	3.9	2.1	29	3.8	1.6	
29		17	.45	193	---	16	23	252	1.9	79	2.3	1.2	
30		6.2	1.9	56	---	84	24	497	1.7	35	1.5	.90	
31		---	21	117	---	3360	---	643	---	7.5	1.0	---	
TOTAL	0	125.2	314.06	16648	7838	5745	11115.7	9492.0	2058.8	207.86	237.02	567.49	
MEAN	0	4.17	10.1	537	280	185	371	306	68.6	6.71	7.65	18.9	
MAX	0	55	51	7040	995	3360	2550	5040	351	79	83	231	
MIN	0	0	.61	14	26	15	9.7	3.5	1.7	.10	.16	.05	
CFSM	0	.05	.13	6.88	3.59	2.37	4.76	3.92	.88	.09	.10	.24	
IN.	0	.06	.15	7.94	3.74	2.74	5.30	4.53	.98	.10	.11	.27	
AC-FT	0	248	523	33020	15550	11360	22050	18830	4080	412	470	1130	
CAL YR 1978	TOTAL	3376.54	MEAN	9.25	444	314	MIN 0	CFSM	.12	IN	1.61	AC-FT	6700
WTR YR 1979	TOTAL	54339.13	MEAN	149	444	7040	MIN 0	CFSM	1.91	IN	25.92	AC-FT	107800

RED RIVER BASIN

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07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	3.85	5.01	5.25	5.03	9.69	2.83	6.39	1.40	1.89	1.38
2		---	1.70	7.25	4.33	4.98	8.84	2.68	5.52	1.36	2.18	1.42
3		---	2.30	7.43	7.08	7.12	8.02	2.66	7.08	1.32	2.10	4.19
4		---	3.05	3.48	6.00	7.96	8.19	11.01	7.31	1.29	1.82	3.10
5		---	3.02	3.58	7.45	6.92	7.04	9.84	5.37	1.26	1.63	2.09
6		---	2.55	6.74	6.70	4.69	5.19	8.58	6.83	1.23	1.51	2.73
7		---	2.21	9.16	8.72	3.89	4.23	6.57	7.50	1.23	1.41	2.14
8		---	2.37	9.44	8.99	3.50	3.74	4.18	7.00	1.23	1.35	1.72
9		---	3.95	8.44	8.03	3.23	3.51	3.20	4.32	1.21	1.31	1.55
10		---	3.70	5.95	5.85	3.05	3.24	2.84	3.00	2.27	1.31	1.46
11		---	2.77	9.09	4.58	2.97	3.05	2.64	2.57	1.87	1.30	1.38
12		---	2.34	3.52	4.35	2.92	3.44	2.61	2.32	1.56	1.29	1.33
13		---	2.04	3.20	3.82	2.82	3.55	2.55	2.14	1.40	1.25	1.29
14		---	1.88	2.93	3.84	2.74	3.03	2.42	2.03	1.38	1.21	1.24
15		---	1.73	2.89	3.50	2.54	2.67	2.29	1.95	1.70	1.31	1.20
16		---	1.86	2.55	3.33	2.62	2.49	2.18	1.80	1.91	2.06	1.16
17		---	1.59	2.49	3.09	2.73	2.37	2.09	1.79	1.68	1.85	1.14
18		---	1.52	2.85	3.77	2.44	2.29	2.02	1.73	1.52	1.57	1.18
19		---	1.48	6.74	5.03	2.82	2.26	1.98	1.68	1.41	1.41	1.21
20		---	1.44	11.93	5.97	4.12	3.58	1.88	1.64	1.33	1.33	3.26
21		---	1.38	10.63	5.55	6.25	7.60	1.85	1.61	1.27	1.26	6.90
22		---	1.34	9.05	4.98	5.26	9.63	1.96	1.56	1.21	1.23	5.06
23		---	1.33	8.09	4.87	4.78	10.44	2.23	1.51	1.17	1.98	2.63
24		---	1.32	5.82	7.33	4.37	9.13	2.06	1.51	1.13	3.89	2.14
25		---	1.30	4.29	6.93	3.45	8.11	1.92	1.59	1.10	4.55	1.88
26		---	1.29	5.24	8.78	2.97	5.69	1.80	1.54	1.51	2.52	1.71
27		---	1.27	7.35	7.59	2.76	3.89	1.71	1.49	2.23	2.10	1.61
28		---	1.24	7.13	5.77	2.65	3.12	1.73	1.50	3.10	1.77	1.54
29		2.62	1.31	5.20	---	2.58	2.87	5.69	1.48	4.73	1.59	1.48
30		2.15	1.47	4.43	---	3.20	2.93	7.95	1.44	3.31	1.48	1.44
31		---	2.49	5.44	---	10.74	---	8.31	---	2.10	1.40	---
MEAN		---	1.98	5.84	5.91	4.17	5.15	3.69	3.18	1.69	1.77	2.09
MAX		---	3.95	11.93	8.99	10.74	10.44	11.01	7.50	4.73	4.55	6.90
MIN		---	1.24	2.49	3.09	2.58	2.26	1.71	1.44	1.10	1.21	1.14

LOCATION.--Lat 32°38'45"N, long 93°52'40"W, in MNMNS 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 (0.2 km) downstream from Cottonwood Bayou, 4.2 mi (6.8 km) south west of Dixie, 5.5 mi (8.8 km) downstream from Caddo Lake, and 17.3 mi (27.8 km) upstream from mouth.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WSP 1211: Drainage area.

REMARKS.--Records good. No gage heights available at base gage for 1979 water year. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft or 1.27 km³, of which 587,200 acre-ft or 0.724 km³ is available for storage) since August 1957.

EXTREMES FOR PERIOD OF RECORD.--maximum discharge, 38,400 ft³/s (1,090 m³/s) May 5, 1958; maximum daily reverse flow, 50 ft³/s (1.42 m³/s) Aug. 5, 1975 (backwater from Red River); maximum gage height, 39.53 ft (12.049 m) Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge (unaffected by backwater), 0.08 ft³/s (0.002 m³/s) Aug. 24, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 16,400 ft³/s (464 m³/s) May 6; minimum daily (unaffected by backwater), 4.6 ft³/s (0.130 m³/s) Nov. 8-10.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	5.0	43	2370	7830	4800	9160	10700	3430	819	2140	747
2	7.0	4.9	31	2280	7300	4680	10300	9580	3900	1080	2690	606
3	7.0	4.8	44	1980	7360	5600	12100	9270	4720	804	3480	594
4	6.8	4.8	39	1850	6940	6090	13900	12600	4510	585	3940	591
5	7.0	4.8	40	2000	6220	6150	15200	15600	5150	390	4480	576
6	8.0	4.8	28	2710	6280	6620	16300	16400	8020	300	5400	518
7	7.5	4.9	28	5820	7230	7400	15900	15400	8500	270	6160	420
8	8.0	4.6	23	5600	6920	8020	15800	15400	8260	390	6700	396
9	8.0	4.6	140	4850	6390	8450	15200	15500	8150	510	6760	372
10	8.3	4.6	600	4200	5800	8570	14400	15300	8000	420	6580	288
11	8.0	6.0	480	3750	5450	8570	14000	15000	7350	450	6160	240
12	8.8	6.0	190	3530	5150	8270	14200	14400	6900	444	5510	200
13	8.8	6.0	105	3700	4800	7950	13200	13500	5600	420	4880	196
14	8.0	6.5	62	3240	4600	7360	12200	12300	5200	564	4290	192
15	7.8	13	38	2680	4310	6670	11000	10500	4600	480	3680	190
16	7.8	23	39	2460	3850	6050	10000	8570	4100	570	3160	185
17	8.0	31	49	2320	3560	6050	9440	7230	3600	480	2730	180
18	7.8	30	54	2170	3690	5250	8170	5950	3400	459	2500	190
19	7.2	39	48	3220	3380	4750	7420	5200	2700	480	2280	300
20	8.0	440	70	8420	3220	4490	7030	4240	2500	486	1980	700
21	7.0	1020	75	11700	3100	4410	7720	3540	2150	456	1740	1820
22	6.0	735	54	11300	2900	4660	10300	3060	1900	474	1620	1940
23	6.0	690	54	11500	2840	5490	13000	2860	1670	474	1440	1940
24	6.0	504	66	10800	3760	5150	13800	2460	1510	420	1470	1980
25	5.2	414	46	9520	5320	4980	13900	2150	1410	450	1290	2080
26	13	600	40	9690	4600	4900	13900	2140	1060	486	1170	2280
27	18	810	44	10700	4410	5100	13500	2420	843	810	1020	2500
28	6.5	630	43	9840	4820	5300	13200	3120	771	1380	720	3400
29	5.0	220	54	9480	---	5280	12500	3230	735	1820	870	3950
30	5.0	136	276	9200	---	5280	11800	3240	705	1650	795	4480
31	5.0	---	1020	8780	---	8070	---	3280	---	1830	750	---
TOTAL	236.8	6407.3	3923	181660	142030	190410	368540	264140	121344	20651	98385	34049
MEAN	7.64	214	127	5860	5073	6142	12280	8521	4045	666	3174	1135
MAX	18	1020	1020	11700	7830	8570	16300	16400	8500	1830	6760	4480
MIN	5.0	4.6	23	1850	2840	4410	7030	2140	705	270	720	180
AC-FT	470	12710	7780	360300	281700	377700	731000	523900	240700	40960	195100	67540
CAL YR 1978	TOTAL	320657.9		MEAN	879	MAX	3840	MIN	4.5	AC-FT	636000	
WTR YR 1979	TOTAL	1431776.1		MEAN	3923	MAX	16400	MIN	4.6	AC-FT	2840000	

RED RIVER BASIN

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07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-59, 1960, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to current year.

WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,760 micromhos Aug. 26, 1978; minimum daily, 106 micromhos Apr. 10, 1979.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,030 micromhos Oct. 5; minimum daily, 106 micromhos Apr. 10.

WATER TEMPERATURES: Maximum daily, 33.0°C June 23, 29; minimum daily, 4.0°C Jan. 14, Feb. 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT										
19...	1545	7.2	2350	7.8	21.0	5	20	19	9.6	3.8
NOV										
15...	0445	13	2540	5.4	20.0	5	20	26	8.5	3.1
DEC										
06...	1630	28	426	7.3	12.5	40	80	2.5	9.5	4.4
JAN										
04...	1530	1850	247	7.0	4.5	50	45	40	12.8	3.5
FEB										
07...	1000	7230	124	6.6	4.0	100	40	15	.1	1.9
MAR										
06...	1430	6620	141	6.5	14.0	50	30	29	11.4	5.2
APR										
13...	1700	12100	141	6.2	17.0	100	40	32	8.1	1.9
MAY										
16...	1000	8570	103	6.5	24.0	100	20	140	6.9	3.5
JUN										
05...	1430	5150	145	6.7	25.0	100	8	51	7.1	.9
JUL										
10...	1830	420	4.1	7.1	30.5	50	45	38	6.7	.0
AUG										
07...	1515	6160	124	6.8	32.0	15	40	--	6.6	--
SEP										
05...	1700	575	215	6.9	30.0	50	20	19	7.4	.8

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLI- FORM, FFCAL, 0.7 U-MF (COLS./ 100 ML)	STREP- TUCOCCI FFCAL, KF AGAR (COLS. PER 100 ML)	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)	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
OCT											
19...	850	4000	740	450	140	94	370	52	5.9	--	4.7
NOV											
15...	2200	1500	650	550	120	86	290	49	4.9	--	5.3
DEC											
06...	640	K3400	200	99	48	20	97	50	3.0	--	6.0
JAN											
04...	K160	1100	39	20	9.8	3.5	29	60	2.0	--	3.2
FEB											
07...	K75	450	20	15	6.4	2.3	13	50	1.1	--	2.5
MAR											
06...	K16	150	29	17	7.5	2.4	14	49	1.1	--	2.2
APR											
03...	540	640	26	14	6.3	2.4	13	50	1.1	--	2.5
MAY											
16...	K30	K70	24	10	5.8	2.3	10	44	.9	--	2.8
JUN											
05...	300	--	34	13	8.7	2.9	14	45	1.1	17	2.6
JUL											
10...	K55	160	71	32	18	6.4	44	56	2.3	47	4.8
AUG											
07...	K10	--	27	9	7.6	1.9	12	46	1.0	--	2.5
SEP											
05...	440	530	40	14	10	3.6	22	53	1.5	25	2.7

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT												
19...	0	295	9.1	290	650	.3	10	1790	1740	2.43	.01	--
NOV												
15...	0	107	330	300	570	.3	8.1	1620	1440	2.20	.03	--
DEC												
06...	0	103	10	64	180	.1	10	514	487	.70	.58	--
JAN												
04...	0	19	3.7	17	51	.1	9.0	142	134	.19	.13	--
FEB												
07...	0	11	5.2	13	19	.1	7.9	90	71	.12	.09	--
MAR												
06...	0	11	7.1	15	22	.1	9.2	94	80	.13	.03	--
APR												
03...	0	11	14	14	18	.1	7.4	89	71	.12	.07	--
MAY												
16...	0	14	8.6	10	14	.1	6.1	83	59	.11	.06	--
JUN												
05...	0	21	8.0	14	21	.1	4.8	83	80	.11	.08	--
JUL												
10...	0	39	6.1	13	89	.1	4.6	248	202	.34	.09	--
AUG												
07...	0	18	6.3	11	24	.1	3.8	91	70	.12	.02	--
SEP												
05...	0	26	6.4	11	34	.1	9.4	136	109	.19	.06	.08

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 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT								
19...	.02	--	--	--	--	1.0	--	--
NOV								
15...	.12	--	.88	1.0	.07	.93	1.0	--
DEC								
06...	.17	--	.76	.93	.16	.77	1.5	--
JAN								
04...	.14	--	.86	1.0	.00	1.0	1.1	--
FEB								
07...	.06	--	.47	.53	.00	.55	.62	--
MAR								
06...	.07	--	--	--	--	.65	--	--
APR								
03...	.10	.12	.52	.62	--	--	.69	--
MAY								
16...	.05	.06	.83	.88	.15	.73	.94	--
JUN								
05...	.07	.08	.86	.93	.03	.90	1.0	--
JUL								
10...	.04	.05	.61	.65	.11	.54	.74	--
AUG								
07...	.05	.10	.82	.90	.31	.59	.92	--
SEP								
05...	.13	.16	1.3	1.4	.20	1.2	1.5	1.3

DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT								
19...	--	.08	--	--	.03	6.9	--	--
NOV								
15...	4.6	.09	--	--	.03	6.2	--	--
DEC								
06...	6.7	.27	--	--	.10	10	--	--
JAN								
04...	5.0	.09	--	--	.05	--	9.0	3.2
FEB								
07...	2.7	.09	--	--	.05	12	--	--
MAR								
06...	--	.06	--	--	.02	8.0	--	--
APR								
03...	3.1	.06	.18	.18	.02	--	8.8	.8
MAY								
16...	4.2	.08	.25	.25	.01	13	--	--
JUN								
05...	4.5	.10	.31	.31	.03	12	--	--
JUL								
10...	3.3	.10	--	.31	.03	--	--	--
AUG								
07...	4.1	.04	--	.12	--	14	--	--
SEP								
05...	6.5	.04	--	.12	.01	13	--	--

RED RIVER BASIN

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC		ARSENIC		BARIUM		CADMIUM		CADMIUM		CHROMIUM	
	TOTAL (UG/L AS AS)	SUS- PENDED TOTAL (UG/L AS AS)	DIS- SOLVED (UG/L AS AS)	RECOV- ERABLE (UG/L AS HA)	TOTAL (UG/L AS HA)	DIS- SOLVED (UG/L AS HA)	TOTAL (UG/L AS CU)	SUS- PENDED TOTAL (UG/L AS CU)	RECOV- ERABLE (UG/L AS CU)	DIS- SOLVED (UG/L AS CU)	TOTAL (UG/L AS CR)	SUS- PENDED TOTAL (UG/L AS CR)
OCT 19...	1	1	0	400	400	0	0	0	0	0	10	0
JAN 04...	1	0	1	100	100	1	1	0	0	0	0	0
APR 03...	1	0	1	50	50	1	0	1	0	0	0	0
JUL 10...	2	1	1	100	100	1	0	1	0	1	10	10

DATE	CHROMIUM		COBALT		COPPER		COPPER		IRON		IRON	
	TOTAL (UG/L AS CR)	SUS- PENDED TOTAL (UG/L AS CR)	DIS- SOLVED (UG/L AS CO)	RECOV- ERABLE (UG/L AS CO)	TOTAL (UG/L AS CU)	DIS- SOLVED (UG/L AS CU)	TOTAL (UG/L AS CU)	SUS- PENDED TOTAL (UG/L AS CU)	TOTAL (UG/L AS FE)	DIS- SOLVED (UG/L AS FE)	TOTAL (UG/L AS FE)	DIS- SOLVED (UG/L AS FE)
OCT 19...	10	3	3	0	3	0	3	0	1100	760	340	0
JAN 04...	0	2	2	0	15	2	13	0	1700	1500	200	0
APR 03...	0	4	1	3	8	4	4	0	2300	2100	160	0
JUL 10...	0	3	0	3	16	12	4	0	2400	2100	320	0

DATE	LEAD		LEAD		MANGANESE		MANGANESE		MERCURY		MERCURY	
	TOTAL (UG/L AS PB)	SUS- PENDED TOTAL (UG/L AS PB)	DIS- SOLVED (UG/L AS PB)	RECOV- ERABLE (UG/L AS PB)	TOTAL (UG/L AS MN)	DIS- SOLVED (UG/L AS MN)	TOTAL (UG/L AS MN)	SUS- PENDED TOTAL (UG/L AS MN)	TOTAL (UG/L AS HG)	DIS- SOLVED (UG/L AS HG)	TOTAL (UG/L AS HG)	DIS- SOLVED (UG/L AS HG)
OCT 19...	0	0	0	0	1400	520	880	0	0	0	0	0
JAN 04...	9	8	1	100	80	20	0	0	0	0	0	0
APR 03...	59	59	0	90	30	7	0	0	0	0	0	0
JUL 10...	9	4	0	230	180	50	0	0	0	0	0	0

DATE	SELENIUM		SELENIUM		SILVER		SILVER		ZINC		ZINC	
	TOTAL (UG/L AS SE)	SUS- PENDED TOTAL (UG/L AS SE)	DIS- SOLVED (UG/L AS SE)	RECOV- ERABLE (UG/L AS AG)	TOTAL (UG/L AS AG)	DIS- SOLVED (UG/L AS AG)	TOTAL (UG/L AS AG)	SUS- PENDED TOTAL (UG/L AS AG)	TOTAL (UG/L AS ZN)	DIS- SOLVED (UG/L AS ZN)	TOTAL (UG/L AS ZN)	DIS- SOLVED (UG/L AS ZN)
OCT 19...	0	0	0	0	0	0	0	0	20	0	20	0
JAN 04...	0	0	0	1	1	0	0	0	20	0	20	0
APR 03...	0	0	0	0	0	0	0	0	20	20	3	0
JUL 10...	0	0	0	0	0	0	0	0	20	20	5	0

RED RIVER BASIN

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07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	--	203	83
NOV 15...	45000	189	93
DEC 06...	--	158	92
JAN 04...	--	96	81
FEB 07...	--	41	94
MAR 06...	27000	38	88
APR 03...	--	42	92
MAY 16...	--	72	89
JUN 05...	--	122	92
JUL 10...	--	106	92
AUG 07...	--	69	77
SEP 07...	--	69	77
OCT 05...	--	118	78

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2440	---	257	---	160	111	171	167	432	155	194
2	---	2560	---	---	---	---	---	231	---	---	194	---
3	---	---	---	236	---	---	---	---	---	210	140	184
4	---	2620	612	---	133	162	129	---	177	199	---	200
5	3030	2710	---	---	---	148	132	---	---	228	124	205
6	2990	2760	843	---	---	141	131	---	---	---	---	---
7	2840	---	879	240	163	---	125	968	---	304	136	204
8	---	2850	---	---	168	---	111	---	---	346	---	217
9	2760	---	366	---	115	136	111	1030	111	295	129	218
10	---	---	268	---	---	---	106	943	125	315	145	---
11	2800	---	---	---	---	---	115	---	128	---	147	214
12	2800	---	322	---	135	147	120	---	115	---	153	265
13	2800	---	390	226	---	140	---	---	139	263	---	261
14	2820	---	---	229	---	151	---	---	---	304	---	---
15	2840	---	477	---	---	---	156	---	---	---	---	---
16	2950	---	609	---	---	---	176	---	---	---	---	---
17	2950	---	---	---	143	---	---	---	142	---	152	---
18	2940	---	671	---	150	---	113	138	140	344	---	---
19	2960	---	663	---	150	---	---	---	---	---	---	---
20	2820	---	---	164	149	---	---	---	155	---	140	---
21	2850	1790	638	---	---	---	---	157	---	260	---	---
22	---	1550	716	---	---	156	---	---	---	235	---	---
23	2680	---	380	157	---	---	---	---	185	234	---	143
24	2940	1280	619	---	---	---	---	---	178	241	178	---
25	---	1200	---	---	180	---	116	---	340	---	162	121
26	2830	---	---	129	---	148	---	205	---	---	176	---
27	---	1240	---	124	---	144	---	155	---	---	177	---
28	2550	299	840	129	---	173	155	175	230	---	174	119
29	---	309	---	120	---	145	---	---	208	268	---	---
30	2450	---	935	110	---	---	---	---	231	176	---	142
31	---	---	437	---	---	---	---	173	---	156	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	25.0	---	5.0	---	---	24.0	21.0	26.0	31.0	30.0	31.0
2	---	20.0	---	---	---	---	---	24.0	---	---	30.0	---
3	---	---	---	9.0	---	---	---	---	---	30.0	29.0	30.0
4	---	18.0	13.0	---	5.0	15.0	17.0	---	25.0	31.0	---	30.0
5	23.0	---	---	---	---	14.0	19.0	---	---	31.0	21.0	30.0
6	23.0	20.0	20.0	---	---	15.0	20.0	---	---	---	---	---
7	23.0	---	18.0	9.0	4.0	---	18.0	25.0	---	29.0	33.0	28.0
8	---	---	---	---	5.0	---	21.0	---	---	30.0	---	28.0
9	23.0	---	---	---	5.0	16.0	21.0	24.0	29.0	30.0	31.0	26.0
10	---	---	8.0	---	---	---	21.0	24.0	28.0	30.0	31.0	---
11	23.0	---	---	---	---	---	22.0	---	26.0	---	31.0	25.0
12	27.0	---	8.0	---	10.0	16.0	24.0	21.0	---	---	30.0	24.0
13	22.0	---	10.0	5.0	---	---	---	---	29.0	30.0	---	28.0
14	21.0	---	---	4.0	---	19.0	---	---	---	30.0	---	---
15	17.0	---	12.0	---	---	---	29.0	---	---	---	---	---
16	23.0	---	14.0	---	---	---	25.0	---	---	---	---	---
17	---	---	12.0	---	10.0	---	---	---	28.0	---	31.0	---
18	20.0	---	13.0	---	5.0	---	23.0	25.0	29.0	30.0	---	---
19	24.0	---	15.0	---	10.0	---	---	---	---	---	---	---
20	25.0	---	---	15.0	8.0	---	---	---	30.0	---	31.0	---
21	23.0	18.0	15.0	---	---	---	---	26.0	---	27.0	---	---
22	---	17.0	19.0	---	---	18.0	---	---	---	28.0	---	---
23	20.0	---	---	5.0	---	---	---	---	33.0	28.0	---	24.0
24	23.0	20.0	13.0	---	---	---	---	---	32.0	31.0	30.0	---
25	---	17.0	---	---	11.0	---	26.0	---	29.0	---	30.0	25.0
26	23.0	---	---	5.0	---	15.0	---	22.0	---	---	28.0	---
27	---	15.0	---	5.0	---	18.0	---	25.0	---	---	30.0	---
28	20.0	14.0	11.0	6.0	---	18.0	17.0	26.0	30.0	---	31.0	26.0
29	---	16.0	---	5.0	---	20.0	---	---	33.0	28.0	---	---
30	16.0	13.0	15.0	5.0	---	---	---	---	31.0	31.0	---	26.0
31	---	---	10.0	---	---	---	---	25.0	---	31.0	---	---

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MARCH 1979

DATE	NOV 15, 78	MAR 6, 79
TIME	0845	1430
TOTAL CELLS/ML	45000	27000
DIVERSITY: DIVISION	1.6	0.6
..CLASS	1.7	0.6
...ORDER	2.1	0.7
...FAMILY	2.3	0.8
...GENUS	0.0	1.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALFS				
...CHAPACIACEAE				
...SCHROEDERIA	--	-	*	0
...OOCYSTACEAE				
...ANKISTRODESMUS	600	1	480	2
...CHOUATELLA	1200	3	--	-
...DICTYOSPHAERIUM	--	-	960	4
...KIRCHNERIELLA	--	-	*	0
...OOCYSTIS	--	-	*	0
...SELENASTRUM	600	1	--	-
...SCENEDESMACEAE				
...CRUCIGENIA	2400	5	*	0
...SCENEDESMUS	1800	4	740	3
...TETRASTRUM	1200	3	--	-
..TETRASPOALES				
...PALMELLACEAE				
...GLOEOCYSTIS	--	-	*	0
...SPHAEROCYSTIS	--	-	900	3
..VOLVOCALES				
...CHLAMYDOMONADACEAE	1200	3	--	-
...CHLAMYDOMONAS	300	1	--	-
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...COSCINODISCACEAE				
...CYCLOTELLA	21000#	47	--	-
..PENNALES				
...FRAGILARIACEAE				
...SYNEDRA	--	-	*	0
...GOMPHONEMACEAE				
...GOMPHONEMA	--	-	*	0
..CHRYSOPHYCEAE				
...CHRYSUMONADALES				
...OCHROMONADACEAE				
...OCHROMONAS	910	2	--	-
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
...CRYPTOMONADACEAE				
...CRYPTOMONAS	--	-	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
...CHROOCOCCACEAE				
...AGMENELLUM	--	-	4700#	17
...ANACYSTIS	6400	14	19000#	69
...HORMOGONALES				
...OSCILLATORIACEAE				
...LYNGBYA	6400	14	--	-
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
...TRACHELOMONAS	910	2	--	-
PYRRHOPHYTA (FIRE ALGAE)				
..DINOPHYCEAE				
...GYMNODINIALES				
...GYMNODINIACEAE				
...GYMNODINIUM	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07348500 RED RIVER AT SHREVEPORT, LA

LOCATION.--Lat 32°30'55", long 93°44'25", in SE¼SE¼ sec.30, T.18 N., R.13 W., Caddo Parish, Hydrologic Unit 11140202, on second pier from east bank, at Illinois Central Railroad Co. bridge at Shreveport, 0.5 mi (0.8 km) downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi² (156,988 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--August 1928 to September 1978. 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 (40.075 m) 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 (3.05 m) 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.--50 YEARS (water years 1929-78), 24,310 ft³/s (688.5 m³/s), 17,612,600 acre-ft/yr (21.7 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303,000 ft³/s (8,580 m³/s) Apr. 5, 1945 (discharge measurement), maximum gage height, 37.9 ft (11.55 m) in gage well, 38.4 ft (11.70 m) from outside gage Apr. 7, 1945; minimum discharge, 690 ft³/s (19.5 m³/s) Oct. 30, 1956; minimum gage height, 0.24 ft (0.073 m) Nov. 9, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 45.9 ft (13.99 m) present datum, from water mark in August 1849 (affected by huge log raft).

EXTREMES FOR CURRENT YEAR.--Water year 1978: Maximum daily discharge, 73,000 ft³/s (2,070 m³/s) Mar. 30; minimum daily, 2,900 ft³/s (82.1 m³/s) Aug. 8-10, 27-29.

RECORDS FOR THE 1979 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 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5000	5700	3800	4000	17000	16000	50000	8700	9000	12000	3400	4400
2	5200	6000	5300	4000	16000	16000	48000	9300	9400	11000	3500	4900
3	5400	7100	6300	4100	15000	16000	39000	9900	7500	11000	3300	4700
4	5100	8500	7700	4800	15000	15000	31000	9900	5700	9100	3100	4300
5	5000	9300	7000	4100	15000	15000	25000	9900	5100	6600	3200	4000
6	5100	10000	6400	4100	14000	14000	22000	12000	8100	5100	3300	3900
7	5100	9500	5700	4200	12000	14000	20000	24000	10000	4400	3000	4000
8	5000	9000	5400	4300	12000	14000	17000	32000	9600	4300	2900	4300
9	4700	8700	5000	4400	11000	14000	15000	38000	8400	4000	2900	4400
10	4600	8500	4600	4200	9700	14000	13000	39000	8300	4000	2900	4100
11	4200	8200	4100	4300	9500	17000	13000	39000	11000	4000	3000	3900
12	3900	8000	3900	4500	8800	21000	13000	37000	17000	3800	3100	4100
13	4000	7800	3800	4500	8800	25000	12000	37000	27000	3500	3500	4400
14	4200	7100	4300	4500	9300	27000	11000	34000	32000	3500	3900	4500
15	4500	6700	4600	4500	9700	28000	11000	25000	32000	3300	4300	4200
16	4500	6300	4800	4700	10000	26000	11000	23000	31000	3200	4800	4000
17	4500	6100	4800	5800	11000	24000	16000	20000	31000	3100	4800	4000
18	4600	6000	4700	8200	13000	22000	18000	18000	30000	3100	4400	4000
19	4600	5800	4300	12000	16000	21000	17000	15000	25000	3800	3400	4100
20	4500	5000	4200	12000	17000	21000	15000	13000	22000	3900	3100	4200
21	4400	4700	4100	15000	17000	20000	14000	10000	19000	3800	3100	4000
22	4300	4400	4100	14000	18000	19000	13000	7800	17000	3800	3200	3900
23	4200	4300	4000	13000	18000	19000	11000	6400	16000	3600	3200	3900
24	4100	4200	3900	13000	18000	19000	9900	6200	16000	3400	3000	3900
25	4300	4100	3800	15000	17000	19000	9300	6400	16000	3300	3000	3900
26	4500	4000	3700	17000	17000	19000	8700	6000	15000	3100	3000	3900
27	4600	4000	3500	18000	16000	20000	8700	7000	15000	3000	2900	4300
28	4700	3900	3400	20000	16000	44000	11000	7900	14000	3000	2900	4500
29	4900	3800	3400	18000	---	62000	11000	8100	12000	3000	2900	4100
30	5100	3800	3500	19000	---	73000	9900	7800	12000	3200	3900	3900
31	5300	---	3500	18000	---	55000	---	8200	---	3400	3900	---
TOTAL	144100	190500	141600	286500	386800	749000	523500	535500	491100	143300	104800	124700
MEAN	4648	6350	4568	9242	13810	24160	17450	17270	16370	4623	3381	4157
MAX	5400	10000	7700	20000	18000	73000	56000	39000	32000	12000	4800	4900
MIN	3900	3800	3400	4000	8800	14000	8700	6000	5100	3000	2900	3900
AC-FT	285800	377900	280900	568300	767200	1486000	1038000	1062000	974100	284200	207900	247300
CAL YR 1977	TOTAL	6934000	MEAN	19000	MAX	105000	MIN	3400	AC-FT	13750000		
WTR YR 1978	TOTAL	3821400	MEAN	10470	MAX	73000	MIN	2900	AC-FT	7580000		

RED RIVER BASIN

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07348500 RED RIVER AT SHREVEPORT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.00	5.30	4.40	4.00	9.50	9.30	15.50	6.70	6.83	7.72	3.21	4.65
2	5.40	5.40	5.00	4.00	9.10	9.20	15.30	6.90	6.97	7.67	3.16	4.98
3	5.60	5.60	5.30	4.10	8.80	9.10	14.50	7.13	6.31	7.50	3.25	4.86
4	5.20	6.30	6.00	4.10	8.70	8.90	13.50	7.10	5.58	6.85	3.45	4.59
5	4.90	6.80	6.00	4.10	8.50	8.70	12.50	7.10	5.30	5.87	3.38	4.27
6	4.90	7.20	5.80	4.20	8.10	8.40	11.60	8.00	6.54	5.18	3.26	4.05
7	4.90	7.10	5.50	4.30	7.60	8.40	11.10	11.90	7.26	4.79	3.61	4.19
8	4.80	6.70	5.00	4.40	7.40	8.50	9.70	13.50	7.05	4.68	3.83	4.52
9	4.80	6.60	4.80	4.50	7.00	8.60	9.20	14.30	6.63	4.44	3.76	4.65
10	4.70	6.80	4.60	4.30	6.50	8.60	8.50	14.40	6.61	4.41	3.71	4.39
11	4.60	6.90	4.50	4.50	6.40	9.60	8.40	14.50	7.63	4.40	3.67	3.85
12	4.40	6.50	4.40	4.60	6.10	11.00	8.40	14.20	9.58	4.10	3.41	3.37
13	4.30	6.10	4.40	4.60	6.10	12.30	8.10	14.20	12.59	3.86	3.13	3.15
14	4.50	5.70	4.50	4.60	6.30	12.60	7.50	13.80	13.55	3.81	2.97	3.09
15	4.50	5.40	4.40	4.60	6.50	12.80	7.50	12.10	13.53	3.68	2.79	3.34
16	4.60	5.50	4.90	4.80	6.70	12.40	7.80	11.50	13.42	3.63	2.63	3.51
17	4.60	5.40	5.00	5.40	7.20	11.90	9.50	10.80	13.50	3.51	2.63	3.49
18	4.60	5.30	4.90	6.40	8.00	11.30	10.10	10.00	13.19	3.48	2.74	3.45
19	4.70	5.30	4.90	7.80	9.10	11.00	10.00	8.80	12.25	4.02	3.20	3.41
20	4.70	5.10	4.60	7.80	9.50	11.00	9.00	8.10	11.41	4.24	3.48	3.31
21	4.60	4.80	4.60	8.80	9.70	10.30	8.60	7.20	10.54	4.15	3.45	3.54
22	4.60	4.60	4.60	8.40	9.90	10.10	8.10	6.40	9.78	4.01	3.36	3.73
23	4.50	4.50	4.50	8.30	9.80	10.00	7.50	5.90	9.48	3.89	3.35	3.86
24	4.40	4.40	4.40	8.20	9.80	10.00	7.10	5.80	9.35	3.80	3.56	3.91
25	4.40	4.40	4.30	8.80	9.70	10.00	6.90	5.90	9.25	3.69	3.61	3.81
26	4.40	4.40	4.10	9.80	9.50	9.90	6.70	5.70	9.15	3.51	3.60	3.59
27	4.30	4.30	4.00	10.20	9.40	10.50	6.70	6.10	9.03	4.11	3.80	3.26
28	4.40	4.30	4.00	10.80	9.40	14.90	7.40	6.45	8.53	3.63	3.89	3.12
29	4.50	4.20	3.90	10.00	---	16.20	7.70	6.54	8.03	3.56	4.41	3.40
30	4.80	4.13	4.00	10.30	---	16.80	7.10	6.41	7.82	3.34	4.04	3.58
31	5.10	---	4.00	9.80	---	15.80	---	6.57	---	3.23	4.09	---
MEAN	4.70	5.50	4.69	6.47	8.23	10.91	9.38	9.16	9.22	4.48	3.43	3.83
MAX	5.60	7.20	6.00	10.80	9.90	16.80	15.50	14.50	13.55	7.72	4.41	4.98
MIN	4.30	4.13	3.90	4.00	6.10	8.40	6.70	5.70	5.30	3.23	2.63	3.09

RED RIVER BASIN

07348500 RED RIVER AT SHREVEPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1978.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1977 to September 1978.

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 Corps of Engineers and reviewed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 228,000 tons (207,000 tonnes) Mar. 30, 1978; minimum daily, 1,000 tons (908 tonnes) Oct. 1, 1977, Jan. 10, 12-16, July 13-18, 25, 27-30, Aug. 4, 5, 7-12, 20, 21, 24-29.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (1/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
05...	1400	133	1800	93
19...	1400	340	4200	51
NOV				
02...	1400	116	1400	92
16...	1400	191	3200	83
30...	1400	345	3500	27
DEC				
14...	1400	282	3300	44
28...	1400	206	1700	41
JAN				
11...	1400	124	1400	85
25...	1400	236	9600	72
FEB				
22...	1400	761	37000	77
MAR				
08...	1400	288	11000	75
22...	1400	277	14000	74
APR				
05...	1400	794	54000	62
19...	1400	650	30000	63
MAY				
03...	1400	263	7000	73
17...	1500	557	30000	58
JUN				
07...	1500	469	13000	82
21...	1500	793	36000	78
JUL				
12...	1500	139	1400	95
26...	1400	164	1400	95
AUG				
30...	1400	208	2200	98

RED RIVER BASIN

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07348500 RED RIVER AT SHREVEPORT, LA--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	2000	4000	2000	15000	20000	136000	6000	10000	14000	2000	3000
2	2000	1900	5000	2000	14000	19000	135000	7000	11000	12000	2000	5000
3	2000	3000	8000	2000	13000	18000	101000	7000	7000	11000	2000	5000
4	2000	4000	11000	2000	14000	15000	73000	7000	5000	8000	1000	5000
5	1800	4000	9000	2000	14000	14000	54000	7000	4000	5000	1000	5000
6	2000	5000	8000	2000	13000	12000	43000	10000	9000	3000	2000	5000
7	2000	5000	6000	2000	11000	12000	37000	34000	13000	2000	1000	6000
8	2000	4000	5000	2000	11000	11000	28000	57000	12000	2000	1000	8000
9	2000	4000	5000	2000	10000	11000	23000	77000	9000	2000	1000	9000
10	2000	4000	4000	1000	8000	10000	18000	82000	9000	2000	1000	9000
11	2000	4000	3000	1400	8000	14000	18000	84000	15000	2000	1000	9000
12	2000	4000	3000	1000	8000	20000	18000	78000	31000	1400	1000	11000
13	2000	4000	3000	1000	8000	27000	16000	79000	69000	1000	2000	14000
14	3000	4000	3300	1000	9000	30000	14000	70000	92000	1000	2000	17000
15	3000	3000	3000	1000	10000	31000	14000	42000	92000	1000	2000	17000
16	4000	3200	4000	1000	11000	27000	14000	37000	88000	1000	3000	17000
17	4000	6000	4000	2000	13000	23000	27000	30000	88000	1000	3000	20000
18	4000	11000	3000	4000	18000	20000	33000	25000	83000	1000	3000	22000
19	4200	20000	3000	7000	27000	18000	30000	19000	61000	2000	2000	26000
20	4000	31000	3000	7000	31000	17000	23000	15000	49000	2000	1000	30000
21	4000	56000	3000	10000	32000	16000	26000	10000	38000	2000	1000	31000
22	3000	98000	2000	3000	37000	14000	17000	7000	31000	2000	2000	34000
23	3000	64000	2000	8000	35000	15000	12000	5000	27000	2000	2000	38000
24	2000	42000	2000	8000	33000	16000	10000	5000	27000	2000	1000	43000
25	2000	28000	2000	9600	28000	17000	9000	5000	26000	1000	1000	48000
26	2000	18000	2000	12000	27000	18000	7000	4000	23000	1400	1000	54000
27	2000	13000	2000	14000	23000	21000	7000	6000	22000	1000	1000	72000
28	2000	8000	1700	17000	21000	85000	10000	7600	19000	1000	1000	87000
29	2000	5000	2000	15000	---	163000	10000	8000	15000	1000	1000	84000
30	2000	3500	2000	17000	---	228000	8000	7600	14000	1000	2200	87000
31	2000	---	2000	16000	---	150000	---	8000	---	2000	3000	---

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE¼ sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State Highway 157, 0.4 mi (0.6 km) downstream from Crooked Creek, 1.7 mi (2.7 km) downstream from Arkansas-Louisiana State line, and 4.2 mi (6.8 km) southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi² (157 km²).

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 (53.008 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good above 200 ft³/s (5.66 m³/s) and poor below. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years, 559 ft³/s (15.83 m³/s), 12.55 in/yr (319 mm/yr), 405,000 acre-ft/yr (499 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,400 ft³/s (1,030 m³/s) Apr. 28, 1958, gage height, 22.79 ft (6.946 m); no flow Oct. 10-14, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Jan. 25	0015	4700	133	13.90	4.237	Apr. 25	2015	*10200	289	15.54	4.737
Apr. 5	0815	8300	235	15.00	4.572	May 6	1315	5630	159	14.21	4.331
Apr. 15	2345	3520	99.7	13.45	4.100						

Minimum daily discharge, 1.0 ft³/s (0.028 m³/s) Oct. 16-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.7	30	362	1270	2050	1010	1670	800	58	1170	28
2	1.1	1.7	26	550	1060	1940	1960	1330	906	40	1350	22
3	1.1	1.7	38	610	1030	1650	3590	1080	1060	33	922	19
4	1.1	1.7	43	770	968	1730	6240	2740	1090	27	944	17
5	1.4	1.7	26	1130	920	1640	8080	3900	1440	24	1220	19
6	2.2	1.7	23	1140	947	1580	6530	5490	2030	24	1730	16
7	1.9	2.0	38	1130	1220	1560	4430	5520	2200	41	1750	11
8	1.6	1.9	63	1140	1430	1470	3030	4940	2240	24	1270	8.1
9	1.4	1.8	75	1140	1630	1290	2470	3640	2160	22	778	6.9
10	1.3	1.3	77	1070	1900	1100	2110	2590	1880	78	334	6.0
11	1.2	1.8	119	943	1470	950	1930	1980	1500	151	150	5.3
12	1.1	1.8	155	805	1860	809	1990	1620	1130	183	100	5.1
13	2.0	1.8	173	661	1650	658	2430	1290	893	150	70	5.3
14	1.2	1.9	168	514	1410	532	2330	1080	676	102	48	6.8
15	1.1	3.4	102	384	1190	480	3320	938	426	73	37	7.4
16	1.0	3.2	156	302	1000	472	3390	858	235	57	34	7.4
17	1.0	5.6	144	593	868	464	2800	826	160	60	67	7.5
18	1.0	3.6	116	2120	745	439	2180	806	127	63	143	11
19	1.0	3.5	82	3440	534	398	1710	774	104	136	129	11
20	1.0	4.3	59	4200	548	481	1330	689	85	199	82	31
21	1.0	5.7	44	4270	505	498	1160	519	70	168	52	54
22	1.0	7.3	36	4300	493	493	1240	334	57	114	38	30
23	1.0	9.0	32	4100	536	534	2420	343	49	72	32	50
24	1.0	9.7	29	4430	605	598	4980	321	48	48	47	113
25	1.0	11	27	4470	1110	607	9460	318	78	38	27	134
26	3.0	26	26	4630	1500	542	9070	369	39	54	26	119
27	2.5	42	25	2840	1830	456	6280	444	35	71	102	91
28	2.2	13	24	2340	2050	380	3940	480	48	115	148	59
29	2.0	12	27	2000	---	317	2700	643	60	91	115	38
30	1.9	24	63	1750	---	280	2090	769	52	111	67	27
31	1.8	---	129	1510	---	749	---	772	---	191	40	---
TOTAL	44.2	208.3	2240	58708	33079	27347	106750	49073	21678	2618	13022	965.8
MEAN	1.43	6.94	72.3	1894	1181	882	3558	1583	723	84.5	420	32.2
MAX	3.0	42	173	4470	2050	2050	9460	5520	2240	199	1750	134
MIN	1.0	1.7	23	302	493	280	1010	318	35	22	26	5.1
AC-FT	88	413	4440	116400	65610	54240	211700	97340	43000	5190	25830	1920

CAL YR 1978 TOTAL 63933.56 MEAN 175 MAX 1850 MIN .60 AC-FT 126800
WTR YR 1979 TOTAL 315733.30 MEAN 865 MAX 9460 MIN 1.0 AC-FT 626300

RED RIVER BASIN

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07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	4.62	5.07	8.56	11.82	12.58	11.30	12.27	10.60	4.93	10.58	4.60
2	3.50	4.65	4.90	9.53	11.48	12.49	12.48	11.91	11.00	4.57	11.90	4.41
3	3.53	4.66	5.15	9.85	11.40	12.42	13.45	11.51	11.46	4.41	11.05	4.30
4	3.54	4.65	5.21	10.49	11.21	12.32	14.39	12.99	11.53	4.27	11.13	4.23
5	3.68	4.64	4.73	11.62	11.05	12.24	14.94	13.60	11.98	4.18	11.74	4.29
6	3.97	4.65	4.63	11.63	11.13	12.18	14.49	14.16	12.56	4.17	12.31	4.18
7	3.90	4.74	5.03	11.61	11.75	12.16	13.79	14.17	12.68	4.60	12.33	4.02
8	3.84	4.70	5.60	11.63	12.02	12.07	13.24	13.98	12.73	4.17	11.79	3.89
9	3.82	4.66	5.72	11.64	12.23	11.86	12.88	13.49	12.67	4.11	10.49	3.82
10	3.85	4.67	5.74	11.48	12.46	11.55	12.63	12.95	12.44	5.23	8.26	3.76
11	3.90	4.68	6.36	11.13	12.52	11.15	12.49	12.53	12.10	6.49	6.49	3.70
12	3.91	4.69	6.85	10.62	12.43	10.63	12.53	12.21	11.59	6.99	5.72	3.67
13	3.51	4.69	7.06	10.03	12.25	10.02	12.85	11.86	10.95	6.47	5.27	3.69
14	3.53	4.71	7.01	9.37	12.00	9.45	13.11	11.50	10.09	5.67	4.93	3.80
15	3.71	4.87	6.93	8.67	11.70	9.20	13.36	11.11	8.89	5.18	4.70	3.82
16	3.76	4.81	6.86	8.14	11.32	9.16	13.39	10.83	7.55	4.92	4.66	3.83
17	3.81	4.94	6.70	9.49	10.86	9.12	13.08	10.70	6.63	4.97	5.28	3.83
18	3.87	4.76	6.32	12.56	10.38	8.98	12.68	10.62	6.09	5.01	6.43	3.97
19	3.94	4.69	5.82	13.41	9.92	8.76	12.30	10.50	5.71	6.24	6.25	3.99
20	3.99	4.73	5.45	13.72	9.53	9.20	11.90	10.15	5.39	7.18	5.59	4.51
21	4.10	4.78	5.18	---	9.33	9.29	11.67	9.38	5.13	6.75	5.16	5.08
22	4.22	4.81	5.01	---	9.26	9.27	11.75	8.36	4.92	5.86	4.87	4.59
23	4.32	4.82	4.91	---	9.47	9.47	12.83	8.42	4.76	5.16	4.72	4.99
24	4.40	4.80	4.84	13.80	10.61	9.76	13.96	8.27	4.75	4.75	5.05	5.98
25	4.47	4.80	4.78	13.82	11.55	9.80	15.33	8.25	5.27	4.53	4.58	6.29
26	4.78	5.18	4.75	13.51	12.10	9.50	15.22	8.58	4.56	4.82	4.54	6.07
27	4.73	5.48	4.71	13.11	12.40	9.07	14.41	9.01	4.46	5.15	5.86	5.65
28	4.63	4.71	4.68	12.79	12.58	8.64	13.61	9.20	4.74	5.89	6.52	5.18
29	4.55	4.60	4.76	12.54	---	8.25	13.02	9.94	4.97	5.48	6.06	4.76
30	4.56	4.96	5.52	12.34	---	7.97	12.61	10.48	4.84	5.81	5.37	4.48
31	4.58	---	6.27	12.11	---	10.36	---	10.49	---	7.07	4.87	---
MEAN	4.01	4.77	5.57	---	11.31	10.29	13.19	11.08	8.43	5.32	7.24	4.45
MAX	4.78	5.48	7.06	13.82	12.58	12.58	15.33	14.17	12.73	7.18	12.33	6.29
MIN	3.47	4.60	4.63	8.14	9.26	7.97	11.30	8.25	4.46	4.11	4.54	3.67

07349000 BAYOU DORCHEAT NEAR MINDEN, LA

LOCATION.--Lat 32°35'55", long 93°19'59", in NW¼ sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11140203, on left bank 500 ft (152 m) upstream from bridge on U.S. Highway 80, 0.7 mi (1.1 km) upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi (4.8 km) west of Minden, and 28 mi (45 km) upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi² (2,841 km²).

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to current year. 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 (40.767 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. Since July 29, 1953, supplementary water-stage recorder 4.6 mi (7.4 km) upstream from base gage at different datum used for low stages.

REMARKS.--Records good above 700 ft³/s (20 m³/s) and poor below. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report. Gage heights affected by Lake Bistineau.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1937-79), 1,111 ft³/s (31.46 m³/s), 13.75 in/yr (349 mm/yr), 804,900 acre-ft/yr (992 hm³/s yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft³/s (1,270 m³/s) May 1, 1958, gage height, 24.90 ft (7.590 m); no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft³/s (303 m³/s) May 6, gage height, 18.41 ft (5.611 m); minimum discharge, no flow Oct. 18 to Nov. 25; minimum gage height, 6.29 ft (1.917 m) Oct. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	0	34	386	4340	4170	4120	6090	1050	58	465	35
2	.24	0	36	654	3860	4200	5280	5110	1280	48	548	25
3	.20	0	40	810	3600	4050	5630	4360	1430	45	864	22
4	.18	0	45	937	3300	3870	5410	5940	1490	43	1380	20
5	.18	0	59	1040	3000	3720	5030	8980	1600	41	1820	22
6	.18	0	65	1240	2880	3530	4960	10600	1950	40	2330	20
7	.16	0	71	1790	3220	3330	5990	10300	2670	38	2510	14
8	.14	0	88	2150	3460	3150	7130	9080	3920	53	2340	11
9	.12	0	98	2490	3640	2990	7100	7820	4630	133	2030	9.0
10	.10	0	127	2970	3710	2810	6270	6950	4570	548	1810	6.0
11	.08	0	129	3350	3750	2600	5480	6200	4200	986	1690	5.0
12	.06	0	140	3410	3710	2360	4980	5470	3740	1260	1480	4.8
13	.04	0	161	3180	3540	2130	4440	4790	3300	918	1000	4.7
14	.02	0	165	2830	3310	1870	3960	4210	2860	575	500	4.7
15	.02	0	173	2430	3090	1600	3550	3660	2380	414	252	5.6
16	.01	0	182	2050	2840	1350	3210	3170	1870	300	179	6.1
17	.01	0	178	1710	2580	1130	3010	2680	1400	210	120	6.8
18	0	0	167	1440	2340	985	2970	2180	1000	187	100	8.0
19	0	0	157	1500	2100	901	3070	1710	500	198	150	12
20	0	0	143	3390	1850	888	3200	1370	238	177	100	20
21	0	0	127	4370	1640	884	3250	1160	179	147	70	58
22	0	0	103	7300	1460	978	3380	1060	138	157	50	35
23	0	0	84	10000	1390	1110	3820	976	107	184	40	90
24	0	0	69	9690	1860	1180	3990	841	88	176	60	140
25	0	0	60	8070	2630	1210	4300	715	90	138	40	140
26	0	.27	53	7070	3030	1200	5390	660	109	113	60	130
27	0	8.7	47	6560	3360	1150	7300	637	97	138	120	100
28	0	10	40	6230	3810	1070	8870	618	80	322	180	60
29	0	15	47	5820	---	998	8620	780	70	478	130	50
30	0	18	75	5350	---	898	7350	844	69	525	100	35
31	0	---	139	4850	---	2290	---	922	---	507	50	---
TOTAL	2.02	51.97	3102	115067	83300	64607	151060	119883	47105	9157	22568	1099.7
MEAN	.065	1.73	100	3712	2975	2084	5035	3867	1570	295	728	36.7
MAX	.28	18	182	10000	4340	4200	8870	10600	4630	1260	2510	140
MIN	0	0	34	386	1390	888	2970	618	69	38	40	4.7
CFSM	0	.001	.09	3.38	2.71	1.90	4.59	3.53	1.43	.27	.66	.03
IN.	.00006	.002	.11	3.90	2.82	2.19	5.12	4.07	1.60	.31	.77	.04
AC-FT	4.0	103	6150	228200	165200	128100	299600	237800	93430	18160	44760	2180
CAL YR 1978	TOTAL	100117.91	MEAN	274	MAX	2960	MIN	0	CFSM	.25	IN	3.40
WTR YR 1979	TOTAL	617002.69	MEAN	1690	MAX	10600	MIN	0	CFSM	1.54	IN	20.92
									AC-FT	198600		
										1224000		

RED RIVER BASIN

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07349000 BAYOU DORCHEAT NEAR MINDEN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.56	6.41	6.75	8.09	13.70	13.51	13.44	15.45	8.79	7.37	7.92	7.31
2	6.56	6.41	6.78	8.26	13.17	13.54	14.68	14.51	9.24	7.36	7.93	7.29
3	6.55	6.40	7.01	8.38	12.85	13.38	15.03	13.72	9.52	7.33	8.27	7.32
4	6.53	6.40	7.23	8.48	12.48	13.18	14.81	15.27	9.62	7.32	9.08	7.30
5	6.56	6.39	7.30	8.63	12.08	13.00	14.43	17.56	9.84	7.30	10.22	7.30
6	6.54	6.40	7.31	9.00	11.90	12.77	14.36	18.38	10.44	7.28	11.08	7.29
7	6.53	6.39	7.39	10.19	12.38	12.51	15.35	18.24	11.59	7.31	11.37	7.27
8	6.52	6.40	7.52	10.79	12.68	12.29	16.37	17.64	13.22	7.33	11.10	7.24
9	6.51	6.40	7.56	11.33	12.90	12.06	16.34	16.91	14.02	7.39	10.59	7.21
10	6.49	6.40	7.57	12.03	12.99	11.80	15.61	16.22	13.96	7.91	10.20	7.20
11	6.49	6.39	7.54	12.53	13.04	11.49	14.87	15.55	13.54	8.42	9.99	7.18
12	6.48	6.38	7.53	12.61	12.98	11.14	14.38	14.87	13.02	9.16	9.61	7.16
13	6.46	6.39	7.51	12.32	12.77	10.75	13.81	14.19	12.47	8.75	8.76	7.13
14	6.43	6.40	7.49	11.83	12.49	10.31	13.28	13.55	11.88	8.13	7.97	7.10
15	6.45	6.40	7.50	11.24	12.20	9.82	12.79	12.93	11.16	7.86	7.77	7.07
16	6.40	6.43	7.49	10.62	11.85	9.37	12.35	12.30	10.31	7.73	7.66	7.05
17	6.38	6.49	7.48	10.03	11.47	8.95	12.08	11.61	9.40	7.62	7.57	7.06
18	6.38	6.47	7.49	9.53	11.11	8.66	12.02	10.83	8.57	7.53	7.51	7.17
19	6.38	6.46	7.51	9.64	10.69	8.49	12.17	10.03	8.07	7.50	7.47	7.22
20	6.37	6.49	7.51	12.56	10.27	8.46	12.35	9.41	7.82	7.47	7.43	7.33
21	6.37	6.49	7.46	13.73	9.90	8.46	12.42	9.01	7.68	7.43	7.42	7.39
22	6.36	6.51	7.44	16.41	9.58	8.65	12.57	8.81	7.60	7.41	7.40	7.38
23	6.35	6.53	7.43	18.10	9.44	8.90	13.12	8.64	7.53	7.43	7.38	7.36
24	6.32	6.52	7.41	17.94	10.28	9.05	13.31	8.36	7.49	7.43	7.40	7.34
25	6.34	6.52	7.40	17.07	11.55	9.12	13.67	8.08	7.45	7.45	7.37	7.32
26	6.45	6.64	7.36	16.32	12.12	9.09	14.77	7.95	7.42	7.51	7.36	7.31
27	6.44	6.71	7.34	15.87	12.55	9.00	16.49	7.89	7.39	7.61	7.34	7.31
28	6.43	6.71	7.35	15.57	13.11	8.84	17.53	7.84	7.37	7.81	7.33	7.32
29	6.42	6.74	7.40	15.20	---	8.69	17.40	8.22	7.36	7.96	7.31	7.32
30	6.42	6.74	7.54	14.75	---	8.48	16.54	8.36	7.37	7.98	7.29	7.31
31	6.41	---	7.67	14.25	---	10.96	---	8.53	---	7.95	7.30	---
MEAN	6.45	6.48	7.40	12.36	11.95	10.47	14.28	12.29	9.70	7.68	8.40	7.25
MAX	6.56	6.74	7.67	18.10	13.70	13.54	17.53	18.38	14.02	9.16	11.37	7.39
MIN	6.32	6.38	6.75	8.09	9.44	8.46	12.02	7.84	7.36	7.28	7.29	7.05

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft (12 m) upstream from spillway near right bank on upstream side of bridge on State Highway 154, 8.5 mi (13.7 km) west of Ringgold city limits, and 17.0 mi (27.4 km) upstream from mouth.

DRAINAGE AREA.--1,443 mi² (3,737 km²).

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 (39.624 m) 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 (370-m) concrete spillway equipped with twelve adjustable gates and a fish ladder. Each gate is 6.0 ft (1.83 m) wide and 5.0 ft (1.52 m) high and fits into a notch along the spillway crest. The 1.75-ft (0.533-m) thick spillway crest is flat and has an invert of 11 ft (3.4 m) gage height with invert of the notches at 6 ft (1.8 m) gage height. The fish ladder is 4 ft (1.2 m) wide and begins flowing at 4.1 ft (1.25 m) gage height. Capacity at spillway crest is 120,000 acre-ft (148 hm³). Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. One gate was partially open all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft (4.438 m) Feb. 8, 1975; minimum, 3.72 ft (1.134 m) Nov. 29, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.65 ft (4.160 m) May 6; minimum, 10.05 ft (3.063 m) Oct. 24.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.32	10.13	10.45	11.53	12.33	12.15	12.69	12.63	11.52	11.09	11.29	11.00
2	10.29	10.12	10.44	11.64	12.24	12.13	12.75	12.52	11.81	11.07	11.31	11.00
3	10.27	10.12	10.49	11.60	12.23	12.16	12.68	12.38	11.86	11.06	11.31	11.05
4	10.27	10.11	10.89	11.56	12.21	12.15	12.60	12.94	11.79	11.04	11.33	11.03
5	10.30	10.14	10.93	11.53	12.15	12.13	12.48	13.50	11.72	11.03	11.38	11.03
6	10.31	10.16	10.97	11.61	12.10	12.08	12.38	13.63	11.78	11.02	11.48	11.03
7	10.27	10.12	11.05	11.94	12.37	12.04	12.30	13.62	11.82	11.03	11.58	11.02
8	10.24	10.10	11.18	12.03	12.32	12.01	12.34	13.53	11.89	11.02	11.64	11.01
9	10.22	10.07	11.27	12.02	12.32	11.94	12.47	13.36	11.99	11.05	11.66	10.98
10	10.20	10.10	11.24	11.97	12.20	12.07	12.52	13.11	12.08	11.18	11.64	10.95
11	10.19	10.10	11.22	11.95	12.14	11.93	12.44	12.86	12.11	11.27	11.61	10.94
12	10.19	10.09	11.20	11.96	12.10	11.88	12.55	12.76	12.08	11.25	11.62	10.93
13	10.16	10.10	11.17	11.94	12.07	11.83	12.45	12.53	12.03	11.19	11.56	10.90
14	10.19	10.10	11.18	11.93	12.03	11.83	12.30	12.37	11.97	11.18	11.48	10.90
15	10.14	10.12	11.15	11.88	11.99	11.75	12.20	12.24	11.91	11.20	11.38	10.87
16	10.14	10.18	11.15	11.84	12.03	11.68	12.10	12.13	11.84	11.23	11.36	10.84
17	10.13	10.20	11.15	11.79	11.94	11.63	12.04	12.03	11.74	11.27	11.28	10.79
18	10.10	10.20	11.13	11.82	11.92	11.58	11.93	11.94	11.64	11.28	11.22	10.86
19	10.09	10.22	11.12	11.84	11.87	11.54	11.93	11.85	11.53	11.37	11.17	10.95
20	10.08	10.24	11.12	12.78	11.83	11.57	11.95	11.75	11.43	11.40	11.13	11.13
21	10.07	10.24	11.15	13.18	11.79	11.55	11.99	11.67	11.35	11.43	11.10	11.11
22	10.06	10.23	11.13	12.90	11.73	11.62	12.04	11.62	11.29	11.45	11.09	11.10
23	10.06	10.24	11.12	12.82	11.70	11.59	12.41	11.58	11.24	11.47	11.08	11.10
24	10.05	10.25	11.13	12.87	12.08	11.63	12.51	11.52	11.18	11.46	11.11	11.08
25	10.17	10.23	11.09	12.87	12.38	11.59	12.43	11.47	11.19	11.47	11.09	11.06
26	10.17	10.37	11.09	12.83	12.38	11.57	12.34	11.38	11.15	11.46	11.08	11.05
27	10.16	10.45	11.10	12.92	12.28	11.56	12.33	11.35	11.13	11.41	11.05	11.04
28	10.15	10.47	11.06	12.81	12.17	11.54	12.46	11.34	11.11	11.29	11.03	11.03
29	10.14	10.44	11.05	12.65	---	11.52	12.62	11.50	11.07	11.22	11.02	11.01
30	10.14	10.46	11.20	12.55	---	11.51	12.68	11.52	11.08	11.24	11.02	11.02
31	10.13	---	11.21	12.45	---	12.14	---	11.54	---	11.26	11.00	---
MFAN	10.17	10.20	11.06	12.19	12.10	11.80	12.36	12.26	11.61	11.24	11.29	10.99
MAX	10.32	10.47	11.27	13.18	12.38	12.16	12.75	13.63	12.11	11.47	11.66	11.13
MIN	10.05	10.07	10.44	11.53	11.70	11.51	11.93	11.34	11.07	11.02	11.00	10.79

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE¼ sec.15, T.22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11140205, on left bank on downstream side of bridge on State Highway 2, 2.1 mi (3.4 km) northwest of Sarepta, and 9.5 mi (15.3 km) upstream from Caney Creek.

DRAINAGE AREA.--546 mi² (1,410 km²).

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

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Water used by paper mill at Springhill is pumped from wells and discharged later as waste into bayou approximately 8 mi (13 km) above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft or 97.4 hm³) 15 mi (24 km) upstream. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 576 ft³/s (16.31 m³/s), 417,300 acre-ft/yr (515 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft³/s (527 m³/s) May 2, 1958, gage height, 25.14 ft (8.230 m); minimum, 0.1 ft³/s (0.003 m³/s) at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft (0.436 m) Aug. 14-19, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 23, 1930, exceeded 25 ft (7.6 m) and flood in 1905 may have reached a stage of 27 ft (8.2 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 22	1645	3480 98.6	16.77 5.111	May 6	0215	*4610 131	*17.98 5.480
Apr. 25	1615	3420 96.9	16.70 5.090				

Minimum discharge, 8.0 ft³/s (0.23 m³/s) Oct. 4, gage height, 2.04 ft (0.622m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	441	416	733	1950	1310	1080	2860	686	180	256	107
2	10	457	390	836	1720	1270	1800	2520	692	179	492	104
3	9.3	468	430	910	1600	1330	2530	2180	722	167	677	103
4	9.2	469	422	929	1510	1410	2800	3110	810	156	793	103
5	18	465	403	900	1450	1530	2910	4160	1240	144	918	101
6	26	463	388	915	1470	1680	2850	4460	1860	142	959	98
7	30	462	380	1220	1570	1700	2750	3810	2140	160	886	96
8	33	436	385	1300	1590	1590	2670	3150	2250	209	736	107
9	32	410	410	1410	1590	1500	2560	2740	2160	259	567	118
10	24	395	488	1390	1560	1430	2400	2560	1940	227	414	118
11	19	383	540	1250	1500	1410	2180	2440	1690	228	308	115
12	17	368	547	1070	1400	1400	2050	2340	1480	198	239	111
13	15	353	511	897	1270	1360	2180	2100	1290	162	199	109
14	19	342	449	733	1160	1280	2350	1850	1130	146	171	106
15	30	352	394	607	1080	1190	2410	1630	977	138	172	102
16	33	308	372	521	1020	1100	2350	1450	837	135	157	99
17	33	238	370	462	980	980	2220	1290	703	132	146	97
18	89	293	384	418	972	860	2080	1140	564	130	141	102
19	243	362	409	585	949	780	1940	1010	434	127	135	103
20	347	402	416	1520	962	757	1830	905	322	126	130	129
21	414	410	399	2560	950	715	1780	825	245	124	125	159
22	449	407	385	3340	887	707	1980	782	206	123	123	164
23	441	399	316	3010	847	710	2320	749	183	121	122	147
24	426	380	204	2310	957	693	2970	676	173	119	134	130
25	414	370	152	1890	1110	654	3380	599	184	117	153	120
26	416	400	138	1820	1190	587	3300	519	174	132	143	98
27	410	447	135	2170	1300	504	3180	436	162	144	129	74
28	428	483	112	2460	1360	430	3270	377	156	195	122	68
29	441	485	242	2530	---	383	3310	471	150	162	117	67
30	445	455	398	2420	---	500	3160	606	147	140	113	66
31	442	---	513	2190	---	839	---	678	---	130	110	---
TOTAL	5771.5	12103	11498	45306	35904	32589	74590	54423	25707	4852	9887	3221
MEAN	186	403	371	1461	1282	1051	2486	1756	857	157	319	107
MAX	449	485	547	3340	1950	1700	3380	4460	2250	259	959	164
MIN	9.0	238	112	418	847	383	1080	377	147	117	110	66
AC-FT	11450	24010	22810	89860	71220	64640	147900	107900	50990	9620	19610	6390
CAL YR 1978 TOTAL	69957.3			MEAN 192	MAX 752	MIN 4.4	AC-FT 138800					
WTR YR 1979 TOTAL	315851.5			MEAN 865	MAX 4460	MIN 9.0	AC-FT 626500					

RED RIVER BASIN

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.07	7.75	7.55	9.79	14.71	12.87	11.81	16.02	9.48	5.24	6.05	4.43
2	2.11	7.87	7.34	10.44	14.26	12.69	14.04	15.58	9.52	5.23	8.12	4.38
3	2.08	7.95	7.66	10.87	13.97	12.99	15.40	15.10	9.72	5.08	9.42	4.36
4	2.08	7.96	7.60	10.98	13.68	13.29	15.95	16.32	10.29	4.93	10.18	4.37
5	2.36	7.93	7.45	10.81	13.47	13.72	16.08	17.53	12.17	4.77	10.93	4.34
6	2.62	7.92	7.33	10.88	13.50	14.16	15.99	17.83	14.54	4.73	11.17	4.29
7	2.73	7.91	7.26	12.43	13.85	14.21	15.88	17.14	15.04	4.99	10.74	4.25
8	2.80	7.71	7.30	12.71	13.92	13.94	15.78	16.37	15.21	5.59	9.81	4.42
9	2.78	7.51	7.50	13.14	13.92	13.64	15.64	15.87	15.07	6.15	8.67	4.60
10	2.56	7.38	8.10	13.05	13.85	13.39	15.42	15.63	14.71	5.80	7.54	4.60
11	2.39	7.29	8.48	12.52	13.63	13.30	15.10	15.48	14.17	5.81	6.66	4.56
12	2.33	7.16	8.53	11.75	13.26	13.27	14.90	15.33	13.54	5.46	6.00	4.50
13	2.29	7.03	8.27	10.79	12.71	13.10	15.11	14.97	12.80	5.01	5.57	4.45
14	2.40	6.94	7.81	9.80	12.20	12.77	15.36	14.52	12.04	4.79	5.25	4.40
15	2.73	7.02	7.38	8.95	11.82	12.35	15.44	14.03	11.26	4.68	5.27	4.35
16	2.80	6.62	7.19	8.34	11.50	---	15.36	13.45	10.45	4.63	5.09	4.29
17	2.79	5.92	7.18	7.91	11.28	---	15.17	12.78	9.59	4.59	4.97	4.25
18	3.86	6.48	7.29	7.57	11.24	---	14.95	12.11	8.65	4.56	4.90	4.33
19	5.96	7.11	7.50	8.70	11.11	---	14.69	11.45	7.69	4.52	4.84	4.35
20	6.97	7.44	7.55	13.13	11.18	9.96	14.50	10.86	6.75	4.49	4.77	4.76
21	7.54	7.51	7.42	15.24	11.12	9.68	14.39	10.38	6.00	4.47	4.70	5.19
22	7.81	7.49	7.31	16.63	10.75	9.63	14.77	10.11	5.56	4.45	4.69	5.25
23	7.75	7.42	6.69	16.40	10.51	9.64	15.30	9.90	5.28	4.42	4.67	5.03
24	7.63	7.26	5.52	15.49	11.14	9.53	16.15	9.42	5.15	4.39	4.87	4.78
25	7.54	7.18	4.86	14.60	11.94	9.27	16.65	8.89	5.29	4.37	5.14	4.63
26	7.56	7.42	4.68	14.47	12.32	8.81	16.56	8.32	5.17	4.59	4.99	4.27
27	7.51	7.80	4.63	15.09	12.86	8.22	16.41	7.71	5.01	4.76	4.79	3.87
28	7.65	8.06	4.28	15.50	13.08	7.66	16.52	7.24	4.93	5.42	4.68	3.75
29	7.75	8.08	5.91	15.60	---	7.29	16.57	7.97	4.85	5.01	4.60	3.73
30	7.78	7.85	7.40	15.45	---	8.13	16.39	8.94	4.80	4.70	4.53	3.72
31	7.75	---	8.27	15.12	---	10.46	---	9.43	---	4.56	4.47	---
MEAN	4.61	7.43	7.07	12.39	12.60	---	15.41	12.80	9.49	4.91	6.39	4.42
MAX	7.81	8.08	8.53	16.63	14.71	14.21	16.65	17.83	15.21	6.15	11.17	5.25
MIN	2.07	5.92	4.28	7.57	10.51	7.29	11.81	7.24	4.80	4.37	4.47	3.72

RED RIVER BASIN

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07349795 CYPRESS BAYOU ABOVE BENTON, LA

LOCATION.--Lat 32°47'15", long 93°42'27", in NW¼ 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 (1.1 km) southeast of Swindleville, 1.0 mi (1.6 km) northeast of Alden Bridge, and 6 mi (10 km) north of Benton.

DRAINAGE AREA.--88.9 mi² (230.3 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m), 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 or 2.20 hm³). Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 years, 87.5 ft³/s (2.478 m³/s), 63,390 acre-ft/yr (78.2 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s (112 m³/s) Feb. 3, 1975, gage height, 11.99 ft (3.655 m); minimum, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft³/s (25 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	0645	2640 74.8	11.18 3.408	May 5	0115	*3090 87.5	*11.47 3.496
Apr. 1	0430	900 25.5	9.60 2.926	June 6	1300	2240 63.4	10.91 3.325
Apr. 23	1230	900 25.5	9.60 2.926				

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	4.5	216	146	216	868	166	103	4.0	5.0	.14
2		0	2.2	220	118	179	757	101	146	30	10	.12
3		0	5.7	132	225	325	677	83	534	17	8.0	.19
4		0	27	65	310	424	578	2040	576	7.8	5.0	.16
5		0	19	54	315	408	443	2510	799	4.7	3.0	.13
6		0	12	162	303	279	305	1060	2100	3.1	1.0	.11
7		0	8.7	693	510	160	191	579	1400	3.2	.80	.11
8		0	21	590	550	111	139	376	742	18	.60	.09
9		0	50	448	457	93	143	225	463	24	.50	.09
10		0	40	295	328	82	121	118	277	19	.60	.09
11		0	22	157	214	74	94	83	131	32	.70	.09
12		0	13	99	146	67	137	94	75	21	.60	.09
13		0	7.9	81	119	62	200	134	55	11	.45	.08
14		0	5.0	68	106	58	207	101	43	5.9	.30	.06
15		0	3.3	53	98	52	160	68	35	3.8	.45	.04
16		0	2.7	45	89	50	100	51	29	2.7	.30	.02
17		0	2.2	46	78	55	70	40	24	1.8	.20	0
18		0	1.9	64	87	55	55	33	19	1.0	.15	.04
19		0	1.6	221	121	55	50	28	16	.81	.10	.06
20		0	1.4	1640	136	86	46	23	12	.67	.10	.35
21		0	1.1	2520	127	164	44	20	9.9	.43	.12	22
22		0	1.1	1560	116	161	700	20	8.2	.32	.12	33
23		0	.88	785	107	105	870	45	6.5	.26	.13	21
24		0	.79	494	262	83	753	70	7.6	.24	.24	8.8
25		0	.77	346	636	63	548	44	14	.50	19	3.7
26		0	.73	383	578	50	362	27	11	1.0	7.7	2.0
27		0	.83	508	445	42	197	18	8.5	8.0	2.7	1.2
28		0	1.2	481	313	40	94	24	5.4	20	1.1	.76
29		0	1.9	369	---	38	89	118	3.0	30	.54	.52
30		10	18	252	---	45	168	173	2.4	20	.31	.40
31		---	72	184	---	632	---	170	---	10	.17	---
TOTAL	0	10	350.40	13231	7040	4314	9166	8642	7655.5	302.23	69.98	95.44
MEAN	0	.33	11.3	427	251	139	306	279	255	9.75	2.26	3.18
MAX	0	10	72	2520	636	632	870	2510	2100	32	19	33
MIN	0	0	.73	45	78	38	44	18	2.4	.24	.10	0
AC-FT	0	20	695	26240	13960	8560	18180	17140	15180	599	139	189
CAL YR 1978	TOTAL	6095.96	MEAN	16.7	MAX	253	MIN	0	AC-FT	12090		
WTR YR 1979	TOTAL	50876.55	MEAN	139	MAX	2520	MIN	0	AC-FT	100900		

RED RIVER BASIN

07349795 CYPRESS BAYOU ABOVE BENTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.09	-.25	---	6.74	6.17	6.82	9.55	6.38	5.53	2.66	---	2.03
2	-.12	-.26	2.47	6.80	5.82	6.50	9.34	5.51	5.94	3.69	---	2.02
3	-.11	-.28	2.69	5.66	6.87	7.56	9.17	5.12	8.63	3.25	---	2.08
4	-.09	-.29	3.60	4.51	7.48	8.14	8.86	10.34	8.85	2.90	---	2.06
5	.06	---	3.33	4.29	7.51	8.05	8.23	11.08	9.09	2.73	---	2.03
6	.11	---	3.03	5.67	7.43	7.27	7.44	9.80	10.81	2.62	---	2.01
7	.11	---	2.88	9.19	8.57	6.31	6.60	8.83	10.19	2.62	---	2.00
8	.09	---	3.34	8.90	8.76	5.70	6.10	7.87	9.28	3.29	---	1.99
9	.06	---	4.20	8.25	8.31	5.35	6.15	6.88	8.33	3.51	---	1.98
10	.03	---	3.96	7.36	7.59	5.11	5.85	5.78	7.25	3.35	---	1.98
11	.01	---	3.43	6.02	6.80	4.90	5.39	5.12	5.93	3.78	---	1.98
12	-.01	---	3.08	5.15	6.17	4.73	6.04	5.36	4.92	3.41	---	1.98
13	-.04	---	2.84	4.84	5.83	4.60	6.69	6.03	4.42	3.04	---	1.97
14	-.08	---	2.68	4.59	5.61	4.50	6.75	5.50	4.11	2.81	---	1.95
15	-.11	-.07	2.57	4.26	5.46	4.35	---	4.74	3.87	2.67	---	1.91
16	-.13	-.04	2.53	4.09	5.26	4.29	---	4.33	3.66	2.57	---	1.86
17	-.15	.09	2.48	4.11	5.00	4.42	---	4.03	3.49	2.48	---	1.83
18	-.17	.12	2.45	4.51	5.21	4.43	---	3.81	3.34	2.36	---	1.90
19	-.19	.15	2.40	6.19	5.86	4.42	---	3.62	3.22	2.32	---	1.94
20	-.21	.26	2.39	10.42	6.06	5.15	---	3.47	3.10	2.29	---	2.12
21	-.21	.31	2.35	11.10	5.96	6.37	---	3.37	3.00	2.21	---	3.41
22	-.21	.42	2.34	10.34	5.78	6.33	---	3.38	2.92	2.15	---	3.78
23	-.21	---	2.30	9.37	5.63	5.59	---	4.17	2.84	2.11	2.03	3.28
24	-.27	---	2.29	8.49	7.04	5.13	9.33	4.81	2.88	---	2.09	2.78
25	-.30	---	2.29	7.70	9.04	4.63	8.72	4.15	3.16	---	3.34	2.50
26	-.17	---	2.28	7.90	8.86	4.31	7.79	3.61	3.06	---	2.89	2.34
27	-.17	---	2.30	8.56	8.24	4.11	6.64	3.30	2.93	---	2.57	2.24
28	-.19	---	2.37	8.43	7.49	4.02	5.36	3.51	2.77	---	2.38	2.15
29	-.21	---	2.43	7.83	---	3.96	5.23	5.78	2.60	---	2.25	2.08
30	-.24	---	3.26	7.09	---	4.18	6.40	6.46	2.55	---	2.15	2.04
31	-.25	---	4.58	6.54	---	8.80	---	6.42	---	---	2.06	---
MEAN	-.11	---	---	6.93	6.78	5.48	---	5.57	5.09	---	---	2.21
MAX	.11	---	4.58	11.10	9.04	8.80	---	11.08	10.81	3.78	3.34	3.78
MIN	-.30	---	2.28	4.09	5.00	3.96	---	3.30	2.55	---	---	1.83

RED RIVER BASIN

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07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in sec.12, T.19 N., R.13 W., Bossier Parish, Hydrologic Unit 11140204, on downstream side of control structure about 4,500 ft (1,400 m) right of spillway, and 5.0 mi (8.0 km) southeast of Benton.

DRAINAGE AREA.--163 mi² (422 km²).

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

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft (51.816 m) National Geodetic Vertical Datum of 1929 (Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by a 6,000-ft (1,860-m) earthfill dam on Cypress Bayou. The 250-ft (76.2-m) concrete spillway with crest at 9.60 ft (2.936 m), gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft (30.8 hm³). A 6- by 6-ft (1.8- by 1.8-m) sluice gate with sill at -15.5 ft (-4.724 m), gage datum, is located at diversion structure 1 mi (1.6 km) upstream from spillway. Diversion structure is to divert water into Black Bayou Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.73 ft (3.575 m) May 5, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.73 ft (3.575 m) May 5; minimum, 8.12 ft (2.475 m) Oct. 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.40	8.22	8.45	9.07	10.11	10.26	10.73	10.01	10.00	9.67	9.68	9.38
2	8.37	8.21	8.45	9.27	10.04	10.16	10.78	10.00	10.01	9.63	9.67	9.36
3	8.36	8.20	8.59	9.45	10.10	10.23	10.70	9.96	10.09	9.62	9.67	9.35
4	8.36	8.20	8.61	9.58	10.12	10.21	10.61	11.13	10.18	9.61	9.67	9.36
5	8.43	8.19	8.52	9.44	10.13	10.20	10.50	11.64	10.28	9.59	9.66	9.35
6	8.41	8.17	8.48	9.38	10.18	10.19	10.40	11.59	10.77	9.58	9.64	9.39
7	8.38	8.23	8.45	10.11	10.45	10.14	10.27	11.11	11.43	9.59	9.62	9.37
8	8.36	8.21	8.54	10.41	10.41	10.06	10.18	10.74	11.24	9.57	9.60	9.36
9	8.34	8.20	8.54	10.48	10.42	9.94	10.13	10.49	10.88	9.60	9.59	9.33
10	8.32	8.19	8.56	10.41	10.34	9.96	10.08	10.29	10.62	9.64	9.59	9.29
11	8.31	8.18	8.59	10.32	10.26	9.89	10.02	10.15	10.36	9.65	9.57	9.28
12	8.31	8.18	8.60	10.18	10.16	9.85	9.99	10.07	10.16	9.63	9.57	9.26
13	8.29	8.18	8.60	10.06	10.09	9.81	9.99	9.97	10.02	9.62	9.52	9.24
14	8.28	8.18	8.60	9.96	10.01	9.81	9.96	9.95	9.91	9.61	9.50	9.23
15	8.26	8.26	8.60	9.88	9.95	9.77	9.96	9.91	9.84	9.61	9.48	9.20
16	8.25	8.26	8.61	9.84	9.95	9.77	9.91	9.86	9.78	9.62	9.58	9.16
17	8.23	8.30	8.63	9.80	9.89	9.74	9.86	9.81	9.74	9.61	9.56	9.12
18	8.21	8.28	8.60	9.80	9.89	9.73	9.80	9.76	9.69	9.61	9.54	9.14
19	8.20	8.28	8.60	9.85	9.87	9.75	9.78	9.72	9.67	9.57	9.54	9.16
20	8.19	8.31	8.61	10.99	9.89	9.80	9.75	9.68	9.65	9.55	9.52	9.31
21	8.18	8.32	8.62	11.53	9.91	9.83	9.80	9.68	9.63	9.53	9.50	9.38
22	8.17	8.32	8.61	11.59	9.92	9.92	9.94	9.66	9.61	9.52	9.47	9.36
23	8.16	8.33	8.61	11.26	9.91	9.95	10.48	9.69	9.59	9.49	9.47	9.37
24	8.16	8.33	8.62	10.86	9.97	9.92	10.63	9.67	9.57	9.50	9.48	9.38
25	8.14	8.32	8.59	10.57	10.24	9.85	10.62	9.69	9.66	9.48	9.48	9.36
26	8.28	8.30	8.59	10.46	10.32	9.81	10.50	9.67	9.70	9.49	9.46	9.36
27	8.27	8.45	8.59	10.43	10.37	9.78	10.34	9.64	9.71	9.55	9.46	9.34
28	8.26	8.44	8.58	10.35	10.34	9.76	10.19	9.63	9.69	9.64	9.44	9.33
29	8.25	8.45	8.58	10.32	---	9.74	10.09	9.79	9.66	9.67	9.43	9.32
30	8.23	8.45	8.70	10.28	---	9.72	10.03	9.92	9.63	9.69	9.42	9.31
31	8.22	---	8.75	10.22	---	10.63	---	9.98	---	9.69	9.40	---
MEAN	8.28	8.27	8.58	10.20	10.12	9.95	10.20	10.09	10.03	9.59	9.54	9.31
MAX	8.43	8.45	8.75	11.59	10.45	10.83	10.78	11.64	11.43	9.69	9.68	9.39
MIN	8.14	8.17	8.45	9.07	9.87	9.72	9.75	9.63	9.57	9.48	9.40	9.12

LOCATION.--Lat 32°21'45", long 93°30'10", in sec.21, T.16 N., R.11 W., Bossier Parish, Hydrologic Unit 11140204, near center of span on downstream side of bridge on State Highway 154, 0.8 mi (1.3 km) downstream from Cross Bayou, and 3.0 mi (4.8 km) northeast of Elm Grove.

PERIOD OF RECORD.--December 1959 to November 1977 (annual maximum elevations only). November 1977 to current year (daily gage heights and daily discharges below 400 ft³/s or 11.33 m³/s only), discontinued.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.76 ft (7.242 m) May 7; minimum discharge, 15 ft³/s (0.42 m³/s) Oct. 24, 25, gage height, 1.43 ft (0.436 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

[illegible]

RED RIVER BASIN

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07349890 RED CHUTE BAYOU NEAR ELM GROVE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.48	3.00	4.86	10.83	15.92	16.41	21.57	16.79	16.84	12.28	6.04	3.71
2	1.48	3.25	4.84	9.14	16.38	16.23	21.13	16.62	17.93	12.11	5.73	3.61
3	1.47	3.44	6.56	7.29	16.60	16.63	21.32	16.31	17.66	11.85	5.61	3.52
4	1.46	3.63	7.16	6.40	16.48	16.79	21.31	21.77	17.39	11.58	5.56	3.43
5	1.50	3.80	5.93	6.34	16.11	16.72	21.00	23.19	17.30	11.31	5.39	3.38
6	1.59	3.95	5.49	9.11	16.86	16.70	20.36	23.55	17.85	11.04	5.30	---
7	1.72	4.05	5.52	14.06	19.05	16.53	19.49	23.73	18.20	10.77	5.35	---
8	1.62	4.18	6.85	13.60	18.31	16.26	18.77	23.63	18.34	10.62	5.51	---
9	1.54	4.26	6.73	12.89	17.46	15.96	18.37	23.22	18.37	10.31	5.66	---
10	1.51	4.34	6.14	12.18	16.69	15.62	18.23	22.53	18.44	10.98	5.73	---
11	1.47	4.42	5.84	11.38	16.03	15.26	18.20	21.73	18.43	11.25	5.76	---
12	1.46	4.49	5.72	10.88	15.61	14.82	18.62	21.43	18.02	9.88	5.78	---
13	1.46	4.53	5.63	10.78	15.13	14.39	18.34	20.23	17.53	9.46	5.83	---
14	1.46	4.54	5.54	10.71	14.86	14.05	17.88	19.05	17.30	9.35	5.92	---
15	1.46	4.60	5.49	10.60	14.59	13.78	17.22	18.20	17.24	9.99	5.90	---
16	1.46	4.75	5.47	10.46	14.44	13.50	16.53	17.62	17.13	9.06	5.90	---
17	1.46	4.78	5.44	10.34	14.33	13.18	16.00	17.20	16.92	8.57	5.95	---
18	1.45	4.81	5.40	11.15	14.25	12.90	15.60	16.84	16.71	8.19	5.95	---
19	1.45	4.81	5.38	13.84	14.21	12.64	15.22	16.40	16.57	7.88	5.84	---
20	1.46	4.95	5.34	21.51	14.06	12.53	14.88	16.05	16.37	7.60	5.67	---
21	1.45	5.25	5.31	21.59	13.74	12.67	14.73	15.76	16.00	7.30	5.47	---
22	1.45	5.30	5.28	21.24	13.57	13.71	15.75	15.59	15.55	7.00	5.29	---
23	1.45	5.20	5.23	20.62	14.18	13.20	18.85	15.44	15.05	6.70	5.12	---
24	1.44	5.05	5.18	19.78	17.45	12.85	19.24	15.14	14.51	6.41	4.95	---
25	1.43	4.92	5.13	19.05	18.72	12.79	19.08	14.90	14.09	6.07	4.81	---
26	1.75	5.18	5.09	19.10	17.89	13.01	18.53	15.42	13.64	6.13	4.71	---
27	2.50	5.88	5.06	19.88	17.11	13.16	17.84	16.15	13.27	6.40	4.50	3.67
28	2.00	5.18	5.01	19.35	16.65	13.18	17.32	16.37	12.98	7.55	4.28	3.63
29	1.70	4.92	5.05	18.59	---	13.05	17.04	17.01	12.73	7.69	4.10	3.58
30	1.82	4.89	6.44	18.12	---	12.72	16.90	17.00	12.49	6.25	3.94	3.52
31	2.52	---	7.19	17.63	---	18.83	---	16.84	---	5.91	3.82	---
MEAN	1.60	4.55	5.65	14.14	15.95	14.52	18.18	18.44	16.36	8.95	5.33	---
MAX	2.52	5.88	7.19	21.59	19.05	18.83	21.57	23.73	18.44	12.28	6.04	---
MIN	1.43	3.00	4.84	6.34	13.57	12.53	14.73	14.90	12.49	5.91	3.82	---

RED RIVER BASIN

07350000 LOGGY BAYOU NEAR NINOCK, LA

LOCATION.--Lat 32°14'10", long 93°25'35", in SE¼SE¼ 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 (0.5 km) downstream from Flat River, 1.9 mi (3.1 km) southeast of Ninock, and 7.5 mi (12.1 km) upstream from mouth.

DRAINAGE AREA.--2,628 mi² (6,807 km²).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft (30.559 m) 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 (9.7 km) downstream from base gage at datum 100.21 ft (30.544 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Some regulation by Lake Bistineau since 1935 (station 07349250) and of flood flows by Bodcau Bayou Reservoir (capacity, 967,900 acre-ft or 1.19 km³) since July 1949.

AVERAGE DISCHARGE.--12 years (water years 1949-60), 2,290 ft³/s (64.85 m³/s), 1,658,000 acre-ft/yr (2.04 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,600 ft³/s (923 m³/s) May 4, 1958; maximum gage height, 47.83 ft (14.579 m) May 8, 1958; minimum discharge, no flow at times (backwater from Red River); minimum gage height, 9.46 ft (2.883 m) Oct. 23-25, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.46 ft (11.418 m) May 7; minimum, 11.96 ft (3.645 m) Oct. 5, 17, 18-20, 23, 24, 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.08	12.45	17.29	---	---	29.94	31.80	30.84	---	21.23	20.04	14.01
2	12.06	12.79	17.20	---	28.98	29.92	32.97	30.60	31.02	21.05	20.67	14.05
3	12.03	12.84	16.76	---	28.56	29.84	34.86	30.02	31.42	20.44	20.91	14.10
4	12.00	12.86	17.21	---	28.23	30.05	35.75	31.60	31.45	19.93	21.33	14.25
5	12.03	12.97	15.88	---	27.77	30.55	35.89	34.00	31.48	19.41	20.80	14.27
6	12.01	13.14	15.55	---	27.20	30.92	35.51	36.51	31.85	18.98	20.95	14.18
7	12.00	13.43	15.57	---	28.90	30.80	34.79	37.16	32.13	18.71	21.10	14.15
8	12.08	13.45	15.95	---	28.99	30.51	34.09	37.36	32.07	18.34	21.25	14.11
9	12.08	13.33	16.71	---	28.80	30.12	33.71	36.98	32.09	18.04	21.40	14.00
10	12.05	13.27	---	---	28.29	29.56	33.61	36.42	32.39	18.17	21.37	13.90
11	12.04	13.25	---	---	27.55	28.95	33.45	35.21	32.51	19.30	21.42	13.80
12	12.68	13.23	---	---	---	28.17	33.68	34.84	31.69	18.73	20.10	13.80
13	12.37	13.20	---	---	---	27.42	33.60	33.46	30.91	18.71	19.38	13.75
14	12.13	13.14	---	---	---	26.83	33.13	31.95	30.78	18.89	19.10	13.70
15	12.03	13.05	---	---	24.97	26.30	32.29	30.70	30.91	19.17	18.17	13.65
16	11.99	13.05	---	---	24.87	25.71	31.40	29.86	30.86	18.52	18.40	13.45
17	11.97	13.04	---	---	24.61	24.83	30.74	29.20	30.65	17.98	16.95	13.48
18	11.96	12.99	---	---	24.38	23.97	30.20	28.52	30.46	17.78	16.80	13.36
19	11.96	13.61	---	---	24.07	23.09	29.67	27.38	30.42	17.54	16.55	13.37
20	11.96	19.46	---	---	23.65	22.48	29.11	26.70	30.20	17.35	15.95	13.44
21	11.97	20.83	---	---	23.24	22.29	28.76	26.44	29.60	17.34	15.82	13.60
22	11.97	20.96	---	---	22.78	23.08	28.72	26.00	28.91	17.13	15.60	13.71
23	11.97	20.73	---	---	22.26	23.21	30.72	25.44	27.98	17.15	15.55	15.05
24	11.96	20.34	---	---	25.80	23.71	31.87	24.44	26.69	16.10	15.07	15.56
25	11.97	19.94	---	---	27.75	24.45	32.35	---	25.48	15.71	15.10	15.76
26	12.38	19.50	---	---	28.41	26.06	32.38	---	24.34	16.25	15.00	15.68
27	12.36	18.69	---	---	29.00	26.73	31.96	---	23.39	16.10	14.41	15.47
28	12.55	17.76	---	---	29.60	27.12	31.49	---	22.54	17.50	14.30	15.86
29	12.36	17.28	---	---	---	27.05	31.14	---	21.89	17.70	14.20	16.77
30	12.16	17.12	---	---	---	26.56	30.92	---	21.45	17.82	14.11	17.39
31	12.10	---	---	---	---	30.04	---	---	---	19.06	14.06	---
MEAN	12.11	15.39	---	---	---	27.11	32.35	---	---	18.26	17.93	14.39
MAX	12.68	20.96	---	---	29.60	30.92	35.89	37.36	32.51	21.23	21.42	17.39
MIN	11.96	12.45	---	---	22.26	22.29	28.72	---	21.45	15.71	14.06	13.36

RED RIVER BASIN

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07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG F)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN-DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
MAY 16...	1300	79	6.4	23.5	70	15	5.4	34	1.1	K40	K100	20
JUN 05...	1115	83	5.4	23.0	60	15	4.9	35	--	K20	--	23
JUL 10...	1430	118	6.5	27.0	120	85	4.1	41	--	1100	2600	40
AUG 07...	1315	147	6.6	31.5	45	40	5.3	34	--	K30	--	36
SEP 05...	1345	279	7.3	29.0	70	30	6.4	--	--	220	200	78

DATE	HARD- NESS, NON-CAR- BONATE (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)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY AS (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)
MAY 16...	7	5.0	1.8	7.0	40	.7	2.1	18	0	15	6.7	10
JUN 05...	9	6.1	1.9	7.3	39	.7	1.7	18	0	15	11	12
JUL 10...	11	11	3.0	5.3	20	.4	4.1	35	0	29	11	10
AUG 07...	8	9.6	2.9	15	44	1.1	2.2	34	0	28	10	24
SEP 05...	4	20	6.8	23	38	1.1	2.7	90	0	74	15	24

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 100 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY 16...	.1	5.3	70	47	.10	.07	.76	.83	3.7	.08	.25	15
JUN 05...	.2	3.5	65	54	.09	.05	.63	.68	3.0	.10	.31	14
JUL 10...	.1	2.3	86	64	.12	.13	.80	.93	4.1	.15	.46	--
AUG 07...	.1	9.4	107	89	.15	.09	.83	.92	4.1	.00	.00	14
SEP 05...	.1	11	164	147	.22	.21	1.4	1.6	7.1	.11	.34	14

DATE	ARSENIC, DISSOLVED (UG/L AS AS)	ARSENIC, IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS Ba)	CADMIUM, DISSOLVED (UG/L AS Cd)	CADMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, HEXAVALENT, DISSOLVED (UG/L AS Cr)	CHROMIUM, HEXAVALENT, DISSOLVED (UG/L AS Cr)	COPPER, DISSOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DISSOLVED (UG/L AS Fe)
JUN 05...	1	--	0	1	--	0	--	5	--	580
JUL 10...	2	--	0	1	--	0	0	2	--	330
AUG 07...	--	--	--	--	--	--	--	--	--	100
SEP 05...	--	11	--	--	0	--	--	--	1	--

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

RED RIVER BASIN

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	IRON, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY REC'D, FM BOT- TOM MA- TERIAL (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SIRON- IUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
JUN 05...	--	0	--	140	.2	--	0	--	210	20
JUL 10...	--	2	--	110	.0	--	0	--	150	20
AUG 07...	--	--	--	0	--	--	--	--	--	--
SEP 05...	5200	--	25	--	--	.03	--	0	--	--

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	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)
JUN 05...	.0	--	.00	.00	--	.0	--	.00	--	.00	--	.00
JUL 10...	.0	--	.00	.00	--	.0	--	.00	--	.00	--	.00
SEP 05...	--	0	--	--	.0	--	2	--	3.8	--	17	--

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- ELORIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELORIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFA, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFA, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 05...	--	.01	--	.00	--	.00	.00	--	.00	--	.00	--	.00
JUL 10...	--	.00	--	.00	--	.00	.00	--	.00	--	.00	--	.00
SEP 05...	1.8	--	.0	--	.0	--	--	.0	--	.0	--	--	.0

DATE	HEPTA- CHLOR EPAKIDE TOTAL (UG/L)	HEPTA- CHLOR EPAKIDE 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)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (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)
JUN 05...	.00	--	.00	--	.00	--	.00	.00	--	.00	--	.00
JUL 10...	.00	--	.00	--	.00	--	.00	.00	--	.00	--	.00
SEP 05...	--	.0	--	.0	--	.0	--	--	.0	--	--	.0

DATE	ATRX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/KG)	PER- THANE TOTAL (UG/L)	PER- THANE TOTAL (UG/KG)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL (UG/KG)	SILVEX, TOTAL (UG/L)
JUN 05...	.00	.00	--	.00	0	--	.00	--	.03	.01	.00	.00
JUL 10...	.00	.00	--	.00	0	--	.00	--	.02	.00	.02	.02
SEP 05...	--	--	.0	--	--	0	--	.0	--	--	--	--

RED RIVER BASIN

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07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .002 MM
MAY		
16...	70	81
JUN		
05...	52	83
JUL		
10...	405	88
AUG		
07...	929	80
SEP		
05...	126	90

RED RIVER BASIN

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA

LOCATION.--Lat 32°04'41", long 93°30'36", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ 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 (1.1 km) upstream from Bailey Bayou, and 2.8 mi (4.5 km) west of the village of Grand Bayou.

DRAINAGE AREA.--661 mi² (1,712 km²).

PERIOD OF RECORD.--October 1977 to current year (daily gage heights and daily discharges below 400 ft³/s or 11.33 m³/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 (30.824 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

COOPERATION.--Gage-height record furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.93 ft (8.208 m) Jan. 22, 1979; minimum daily discharge, 6.5 ft³/s (0.184 m³/s) Oct. 19, 1978; minimum gage height, 4.76 ft (1.451 m) Sept. 14, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 26.93 ft (8.208 m) Jan. 22; minimum daily discharge, 6.5 ft³/s (0.184 m³/s) Oct. 19; minimum gage height, 4.76 ft (1.451 m) Sept. 14.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	34	152							58	398	31
2	16	28	135							58		31
3	14	24								58		42
4	13	20								57	342	31
5	13	18								50	285	42
6	14	16								57	232	34
7	22	16								74	188	34
8	34	25								58	150	34
9	20	23								95	125	34
10	14	22								113	109	31
11	12	17								348	76	30
12	13	16								348	83	29
13	4.9	14	385							202	76	25
14	5.9	15	342						358	168	67	21
15	7.5	14	252						280	260	60	23
16	4.4	25	202						248		58	21
17	7.5	44	160						178	348	44	27
18	4.4	40	125						148	245	54	27
19	5.5	42	101						125	192	49	42
20	7.9	36	85						107	158	46	55
21	4.4	35	65						93	132	43	67
22	11	44	55						81	115	42	305
23	7.5	43	42						74	103	40	228
24	4.9	36	32						69	91	42	200
25	12	30	24					398	69	105	44	162
26	24	64	18					298	72	105	42	120
27	65	242	14					242	74	208	38	101
28	192	340	12					205	69		38	83
29	101	260	24						60		36	72
30	50	190	275						62		34	62
31	43	---							---		34	---
TOTAL	787.8	1779	---					---	---	---	---	2044
MEAN	25.5	59.3	---					---	---	---	---	68.1
MAX	192	340	---					---	---	---	---	305
MIN	4.5	14	12					205	60	50	34	21

RED RIVER BASIN

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07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.07	5.23	5.83	12.02	16.05	15.21	23.33	12.32	7.86	5.09	6.59	4.88
2	5.04	5.18	5.73	14.81	15.54	13.25	25.30	11.28	8.49	5.09	6.69	4.88
3	5.01	5.14	7.06	13.22	15.53	14.00	25.12	10.20	9.99	5.09	6.67	4.96
4	5.00	5.09	9.58	11.80	15.43	15.36	24.09	15.10	9.87	5.08	6.37	4.88
5	5.00	5.07	8.34	11.04	14.88	15.13	21.72	21.30	10.19	5.03	6.14	4.96
6	5.01	5.05	7.63	13.80	16.13	14.10	19.05	23.80	10.49	5.08	5.93	4.90
7	5.12	5.04	7.55	18.54	21.50	12.45	16.90	23.30	10.49	5.19	5.75	4.90
8	5.23	5.15	7.99	18.22	22.85	10.93	15.30	21.50	9.98	5.09	5.60	4.90
9	5.16	5.18	8.43	16.80	21.91	9.77	14.04	19.80	9.10	5.32	5.48	4.90
10	5.02	5.12	7.61	15.43	19.08	9.21	12.60	18.20	8.35	5.42	5.40	4.88
11	4.98	5.06	7.13	14.05	16.29	8.90	12.25	16.95	7.74	6.39	5.20	4.87
12	5.00	5.04	6.86	12.84	14.12	8.40	14.62	19.70	7.43	6.39	5.25	4.86
13	4.93	5.01	5.63	11.47	12.66	7.93	13.70	18.38	6.81	5.81	5.20	4.82
14	4.93	5.03	6.48	10.71	11.58	7.60	12.02	16.38	6.43	5.67	5.15	4.78
15	4.90	5.01	6.16	9.23	10.69	7.27	10.82	14.42	6.12	6.04	5.10	4.80
16	4.92	5.15	5.98	8.49	9.91	7.67	9.79	12.69	5.99	6.79	5.09	4.78
17	4.90	5.31	5.82	7.93	9.40	8.08	8.88	11.40	5.71	6.39	4.98	4.84
18	4.92	5.28	5.69	8.01	10.22	8.00	8.16	10.29	5.59	5.98	5.05	4.84
19	4.88	5.29	5.60	14.10	10.40	7.76	7.56	9.29	5.48	5.77	5.02	4.96
20	4.91	5.25	5.53	22.10	9.87	7.88	7.18	8.50	5.39	5.63	5.00	5.06
21	4.92	5.24	5.43	26.12	9.01	5.10	7.15	7.90	5.31	5.52	4.97	5.15
22	4.96	5.31	5.37	20.79	8.50	8.26	9.39	7.50	5.24	5.44	4.96	6.22
23	4.90	5.30	5.29	26.18	9.44	9.04	16.32	7.22	5.19	5.37	4.95	5.91
24	4.93	5.25	5.22	25.00	18.00	8.56	20.00	7.00	5.16	5.30	4.96	5.80
25	4.98	5.20	5.14	23.19	21.31	8.08	20.10	6.59	5.16	5.38	4.98	5.65
26	5.14	5.42	5.07	21.05	22.89	7.76	18.25	6.19	5.18	5.38	4.96	5.48
27	5.43	5.12	5.01	20.08	21.04	7.46	16.88	5.97	5.19	5.83	4.93	5.39
28	5.94	6.47	4.99	14.01	18.03	7.28	15.48	5.82	5.15	6.83	4.93	5.30
29	5.60	6.18	5.14	17.50	---	7.02	14.48	6.77	5.10	7.54	4.92	5.24
30	5.35	5.93	6.24	16.86	---	6.74	13.40	8.47	5.11	7.49	4.90	5.18
31	5.30	---	7.77	17.63	---	16.35	---	8.13	---	6.85	4.90	---
MEAN	5.07	5.30	6.40	16.26	15.02	9.79	15.13	12.66	6.98	5.78	5.36	5.10
MAX	5.94	6.47	9.58	26.79	22.89	16.35	25.30	23.80	10.49	7.54	6.69	6.22
MIN	4.88	5.01	4.99	7.93	8.50	6.74	7.15	5.82	5.10	5.03	4.90	4.78

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°22'35", long 93°49'17", in NW¼SE¼ sec.17, T.16 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, near right bank on downstream side of bridge on U.S. Highway 171, 0.4 mi (0.6 km) downstream from Gilmer Bayou, 3 mi (5 km) north of Keithville, and 5 mi (8 km) upstream from mouth.

DRAINAGE AREA.--79 mi² (205 km²), approximately.

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

REVISED RECORDS.--WSP 1211: 1939-45, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 145.13 ft (44.236 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 7, 1949, and Jan. 19 to Apr. 7, 1954, nonrecording gage at same site and datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years (water years 1940-79), 70.7 ft³/s (2.00 m³/s), 12.15 in/yr (309 mm/yr), 51,220 acre-ft/yr (63.2 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft³/s (419 m³/s) Jan. 5, 1946, gage height, 20.2 ft (6.16 m), from graph based on gage readings, from rating curve extended above 5,200 ft³/s (147 m³/s) by velocity-area studies; no flow at times in 1939-40, 1942-44, 1947-49, 1951-60, 1962-67, 1970-74.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of July 1933 reached a stage of 26.7 ft (8.14 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,400 ft³/s (40 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 7	1245	1560 44.2	16.64 5.072	Mar. 31	1100	4310 122	17.72 5.401
Jan. 20	1145	6780 192	18.63 5.678	Apr. 23	0515	4120 117	17.65 5.380
Feb. 7	1415	1880 53.2	16.79 5.118	May 4	1630	*8880 251	*19.38 5.907
Feb. 25	0515	1600 45.3	16.66 5.078	May 29	1415	1440 40.8	16.58 5.054

Minimum daily discharge, 0.34 ft³/s (0.010 m³/s) Oct. 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	3.9	13	293	109	49	1430	20	106	9.4	50	1.6
2	.34	4.6	15	276	69	54	629	19	397	8.9	112	5.0
3	.36	5.0	37	85	313	284	583	17	1050	8.5	46	21
4	.37	5.3	67	40	354	312	283	4450	345	8.5	26	7.0
5	.49	6.0	23	42	147	126	119	2000	86	8.6	16	4.5
6	.68	7.5	14	171	324	57	63	354	42	8.1	11	3.4
7	.72	8.9	13	1240	1710	39	42	98	85	8.2	8.6	2.8
8	.79	8.6	28	860	718	31	35	48	109	11	7.0	2.4
9	1.1	8.0	58	179	176	26	32	31	46	16	6.0	2.2
10	1.4	8.0	28	65	81	25	25	24	24	41	5.0	2.0
11	1.4	9.1	15	46	57	25	30	22	18	29	4.5	1.8
12	1.5	10	12	39	47	25	83	69	15	11	4.0	1.6
13	1.8	10	11	35	42	23	58	71	14	13	3.7	1.5
14	1.9	11	11	33	38	22	28	30	12	58	5.0	1.4
15	2.1	21	11	30	36	21	21	22	11	22	4.5	1.3
16	2.3	18	11	32	33	21	18	18	10	12	3.8	1.2
17	2.4	16	12	38	30	22	16	17	9.1	11	4.5	1.1
18	2.5	16	13	32	39	22	15	15	8.7	10	3.8	1.1
19	2.6	13	17	825	65	22	22	14	8.5	8.6	3.2	1.0
20	2.6	13	19	5560	60	51	87	13	7.9	7.6	2.9	40
21	2.7	16	20	1950	52	92	151	12	7.7	6.8	2.6	148
22	2.9	14	20	579	48	72	2150	31	6.8	6.2	2.4	80
23	3.1	13	21	154	69	76	3200	19	7.2	5.6	2.3	60
24	3.2	14	21	80	773	51	853	15	8.6	5.2	3.5	30
25	3.7	12	23	54	1400	28	180	12	10	4.8	4.2	14
26	22	25	26	150	483	23	72	9.6	8.6	4.6	5.5	9.0
27	9.7	46	27	526	128	20	41	8.8	9.1	4.4	4.0	6.5
28	3.1	24	29	232	68	19	27	13	10	30	2.8	5.5
29	2.5	11	33	91	---	18	23	654	10	108	2.3	4.5
30	2.6	12	45	80	---	19	22	350	9.7	50	1.9	3.5
31	3.0	---	82	147	---	2790	---	169	---	38	1.7	---
TOTAL	86.19	389.9	775	13964	7469	4465	10338	8645.4	2491.9	574.0	360.7	464.9
MEAN	2.78	13.0	25.0	450	267	144	345	279	83.1	18.5	11.6	15.5
MAX	22	46	82	5560	1710	2790	3200	4450	1050	108	112	148
MIN	.34	3.9	11	30	30	18	15	8.8	6.8	4.4	1.7	1.0
CFSM	.04	.16	.32	5.70	3.38	1.82	4.37	3.53	1.05	.23	.15	.20
IN.	.04	.18	.36	6.58	3.52	2.10	4.87	4.07	1.17	.27	.17	.22
AC-FT	171	773	1540	27700	14810	8860	20510	17150	4940	1140	715	922
CAL YR 1978 TOTAL	10140.13			MEAN 27.8	MAX 3400	MIN .22	CFSM .35	IN 4.77	AC-FT 20110			
WTR YR 1979 TOTAL	50023.99			MEAN 137	MAX 5560	MIN .34	CFSM 1.73	IN 23.56	AC-FT 99220			

RED RIVER BASIN

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07351000 BOGGY BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.53	10.75	10.79	15.15	13.28	11.51	16.51	10.40	13.19	9.99	11.70	11.38
2	10.53	10.78	10.86	15.07	12.08	11.65	15.91	10.36	15.10	9.97	13.28	11.42
3	10.54	10.79	11.48	12.56	14.99	14.95	15.85	10.31	16.33	9.95	11.24	11.77
4	10.56	10.79	12.27	11.08	15.38	15.27	15.11	17.77	15.14	9.95	10.81	11.24
5	10.60	10.81	11.06	11.14	14.00	13.56	13.48	16.77	12.61	9.97	10.69	11.12
6	10.64	10.86	10.72	13.62	14.41	11.79	11.97	15.20	11.24	9.95	10.62	11.22
7	10.65	10.90	10.68	16.44	16.71	11.16	11.29	12.97	12.60	9.96	10.58	11.27
8	10.65	10.88	11.16	16.11	15.95	10.87	11.03	11.45	13.30	10.10	10.79	11.31
9	10.70	10.85	12.02	14.24	14.31	10.70	10.90	10.84	11.37	10.37	10.89	11.32
10	10.75	10.84	11.14	11.92	12.47	10.66	10.66	10.57	10.54	11.30	10.94	11.35
11	10.73	10.87	10.67	11.24	11.66	10.66	10.82	10.47	10.31	10.90	10.97	11.42
12	10.74	10.90	10.50	10.98	11.30	10.63	12.58	12.09	10.17	10.16	11.00	11.49
13	10.76	10.89	10.42	10.83	11.08	10.57	11.79	12.19	10.08	10.26	11.04	11.49
14	10.77	10.93	10.38	10.74	10.92	10.51	10.77	10.81	10.03	11.90	11.14	11.51
15	10.77	11.22	10.36	10.62	10.87	10.46	10.46	10.45	9.97	10.67	11.10	11.50
16	10.78	11.11	10.35	10.70	10.73	10.45	10.33	10.30	9.91	10.24	11.06	11.55
17	10.78	11.04	10.35	10.94	10.64	10.51	10.25	10.23	9.86	10.21	11.13	11.60
18	10.78	11.04	10.41	10.71	10.97	10.52	10.19	10.14	9.85	10.36	11.12	11.64
19	10.78	10.92	10.53	14.18	11.93	10.50	10.46	10.08	9.85	10.65	11.16	11.72
20	10.77	10.92	10.61	18.18	11.78	11.55	12.69	10.04	9.81	10.92	11.21	12.48
21	10.77	11.00	10.67	16.79	11.51	12.85	14.12	9.98	9.81	10.95	11.25	13.98
22	10.78	10.93	10.63	15.75	11.34	12.26	16.54	10.78	9.76	10.90	11.26	11.79
23	10.78	10.89	10.65	14.06	11.90	12.36	17.30	10.36	9.79	10.98	11.26	11.37
24	10.78	10.91	10.63	12.42	15.72	11.57	16.08	10.13	9.88	11.17	11.34	11.24
25	10.80	10.82	10.66	11.58	16.55	10.77	14.32	9.97	9.99	11.26	11.37	11.30
26	11.39	11.21	10.75	13.20	15.56	10.54	12.22	9.86	9.90	11.41	11.42	11.44
27	11.02	11.81	10.78	15.76	13.63	10.44	11.19	9.82	9.94	11.95	11.27	11.50
28	10.73	11.18	10.82	14.80	12.12	10.38	10.69	10.01	10.00	12.21	11.27	11.57
29	10.66	10.76	10.95	12.77	---	10.34	10.51	15.03	10.01	13.31	11.34	11.63
30	10.65	10.77	11.38	12.40	---	10.37	10.46	15.21	10.00	11.60	11.36	11.68
31	10.69	---	12.43	14.06	---	16.91	---	14.35	---	10.95	11.34	---
MEAN	10.74	10.95	10.87	13.23	12.99	11.52	12.55	11.58	11.01	10.79	11.19	11.58
MAX	11.39	11.81	12.43	18.18	16.71	16.91	17.30	17.77	16.33	13.31	13.28	13.98
MIN	10.53	10.75	10.35	10.62	10.64	10.34	10.19	9.82	9.76	9.95	10.58	11.12

RED RIVER BASIN

07351571 BAYOU PIERRE BELOW CASPIANA, LA

LOCATION.--Lat 32°11'31", long 93°33'16", in NW¼ sec.24, T.14 N., R.12 W., Caddo Parish, Hydrologic Unit 11140206, at LaCoupe bridge on unnamed Parish road 6.7 mi (10.8 km) south of Caspiana.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOLOGICAL (5 DAY) (MG/L)	COLIFORM, FECAL, U.F. UM-MF (COLS./100 ML)
JUN 26...	1300	753	7.3	29.0	20	25	6.3	24	--	84
JUL 11...	0945	142	7.2	25.5	120	300	5.7	55	1.0	7200
JUL 19...	1915	313	7.2	29.0	35	55	6.2	31	2.8	K240
AUG 07...	1015	399	5.6	31.0	10	35	5.3	30	--	K70
AUG 28...	1430	909	7.6	30.0	10	15	9.8	18	4.8	--
SEP 05...	0945	988	7.9	28.0	5	8	7.8	16	.9	1400
SEP 18...	1300	1017	7.8	22.5	10	10	7.6	20	.8	80

DATE	TIME	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCALCARE (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)
JUN 26...	--	--	260	22	58	27	49	29	1.3	3.0
JUL 11...	9600	73	17	19	6.2	11	24	.6	15	3.7
JUL 19...	390	100	4	25	9.6	20	29	.9	23	3.0
AUG 07...	--	120	0	29	11	32	36	1.3	37	4.9
AUG 28...	K140	350	51	79	38	66	29	1.5	69	3.4
SEP 05...	330	370	30	84	40	69	28	1.6	72	3.0
SEP 18...	08	390	44	83	44	80	31	1.8	83	2.6

DATE	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
JUN 26...	290	0	238	61	49	.3	14	439	404
JUL 11...	68	0	56	22	13	.2	5.1	127	114
JUL 19...	120	0	98	21	21	.2	8.2	180	167
AUG 07...	134	0	110	32	40	.2	9.9	214	226
AUG 28...	370	0	303	--	74	.3	15	530	535
SEP 05...	420	0	344	76	76	.3	18	570	573
SEP 18...	420	0	344	96	87	.3	18	595	618

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

RED RIVER BASIN

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07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS DIS- SOLVED (TONS PER AC-FI)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN 26...	.00	.39	.05	.35	1.0	.16	.49	.49	9.3
JUL 11...	.17	.59	2.0	2.6	11	.54	--	1.7	--
JUL 19...	.24	.18	.74	.92	4.1	.25	--	.77	9.8
AUG 07...	.29	.13	.91	1.0	4.6	.23	--	.71	11
AUG 28...	.72	.00	1.3	1.4	6.0	.09	--	.28	--
SEP 05...	.18	.08	1.0	1.1	4.8	.10	--	.31	13
SEP 18...	.81	.03	.54	.57	2.5	.10	--	.31	4.5

DATE	ARSENIC TOTAL DIS- SOLVED (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AL AS)	BARIUM, DIS- SOLVED (UG/G AS BA)	BARIUM, FM BOT- TOM MA- TERIAL (UG/G AS BA)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, FM BOT- TOM MA- TERIAL (UG/G AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, FM BOT- TOM MA- TERIAL (UG/G AS FE)
JUL 11...	7	1	0	1	1	0	0	2	5	0	110	750
AUG 07...	3	--	100	--	1	--	10	--	9	--	10	--

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, FM BOT- TOM MA- TERIAL (UG/G AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY FM BOT- TOM MA- TERIAL (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G AS SN)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	STRON- TIUM, FM BOT- TOM MA- TERIAL (UG/G AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, FM BOT- TOM MA- TERIAL (UG/G AS ZN)
JUL 11...	0	0	20	22	.0	.10	0	0	170	540	20	6
AUG 07...	0	--	110	--	.2	--	0	--	250	--	20	--

RED RIVER BASIN

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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)	
JUL 11...	.3	0	.00	.00	.0	.0	0	.10	.4	.00	3.3	.28	
DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	
JUL 11...	.0	.12	.0	.29	.0	.00	.00	.0	.00	.0	.00	.00	
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	HEPTA- EPOXIDE TOT. IN BOTTOM MATERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	MEIHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MEIHYL TRI- THION, TOTAL (UG/KG)	
JUL 11...	.0	.00	.0	.00	.0	.02	.0	.01	.0	.00	.00	.0	
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (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 (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 11...	.00	.00	.0	.00	0	0	.00	.0	.14	.00	.00	.00	

RED RIVER BASIN

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07351740 BAYOU PIERRE AT EVELYN, LA

LOCATION.--Lat 31°59'20", long 93°26'30", in NE corner sec.36, T.12 N., R.11 W., De Soto-Red River Parish line, Hydrologic Unit 11140206, at bridge on State Highway 177, and 0.2 mi (0.3 km) northeast of Evelyn.

DRAINAGE AREA.--707 mi² (1,831 km²).

PERIOD OF RECORD.--October 1978 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALI UNITS)	TUR- BID- ITY (JTU)	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 UMMF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
DATE	TIME											
OCT 19...	1730	931	6.0	19.5	10	20	7.9	20	1.0	K20	13000	360
NOV 14...	1523	742	7.5	--	5	10	7.0	21	1.7	130	130	260
DEC 06...	1033	241	7.2	10.0	120	160	9.8	45	5.3	4200	4300	55
JAN 05...	1100	193	7.1	4.5	80	55	11.6	41	4.2	900	4000	39
FEB 06...	1700	114	7.7	5.0	40	40	11.8	39	3.0	K1300	5800	28
MAR 06...	1115	103	6.5	13.5	120	55	9.8	53	4.5	K91	380	32
APR 03...	1345	109	6.6	19.0	--	40	5.1	41	.9	840	900	31
MAY 16...	1400	99	7.0	22.5	100	45	5.9	34	2.2	210	220	35
JUN 05...	0915	185	6.8	25.5	80	65	5.0	38	1.2	250	--	52
JUL 10...	1130	904	7.4	21.5	5	20	3.3	19	--	K80	120	350
AUG 07...	0915	366	6.5	31.5	20	30	4.3	28	--	K30	--	120
SEP 05...	0915	1040	7.6	28.5	10	15	4.7	19	--	1800	500	390
		HARD- NESS, NONCAR- BONATE (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)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINEITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 19...	51	81	38	74	31	1.7	3.4	376	0	310	86	88
NOV 14...	32	58	27	58	33	1.6	4.0	278	0	228	69	59
DEC 06...	25	16	6.0	17	37	1.0	5.5	48	0	39	30	26
JAN 05...	9	9.0	3.9	19	48	1.3	4.5	37	0	30	25	23
FEB 06...	6	7.7	2.1	9.1	39	.8	2.6	27	0	22	13	10
MAR 06...	11	7.8	3.0	7.9	33	.6	2.3	26	0	21	11	8.7
APR 03...	6	7.7	2.9	7.5	32	.6	2.6	31	0	25	12	9.2
MAY 16...	2	--	--	5.9	25	.4	--	40	0	33	--	--
JUN 05...	9	14	4.1	16	38	1.0	3.1	52	0	43	21	15
JUL 10...	68	86	33	50	26	1.3	3.3	344	0	282	85	76
AUG 07...	12	30	9.7	30	35	1.2	4.2	126	0	103	30	42
SEP 05...	53	85	43	74	29	1.6	3.4	410	0	336	92	84

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

RED RIVER BASIN

07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCOTBER 1978 TO SEPTEMBER 1979

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, SOM UP CONSIST- TENTIVE, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 19...	.3	9.6	560	567	.76	.05	.41	.46	2.0	.09	--	5.1
NOV 14...	.3	9.6	442	422	.60	.06	.53	.59	2.6	.10	--	6.4
DEC 06...	.1	7.9	151	134	.21	.61	1.0	1.5	7.1	.54	--	12
JAN 05...	.1	8.2	126	111	.17	.33	1.1	1.4	6.3	.40	--	13
FEB 06...	.1	6.3	92	64	.13	.23	.99	1.2	5.4	.26	--	18
MAR 06...	.1	4.7	80	58	.11	.13	1.2	1.3	5.9	.19	--	17
APR 03...	.1	5.7	82	63	.11	.19	.95	1.1	5.0	.28	.86	12
MAY 16...	--	--	80	61	.11	--	--	1.1	4.8	--	.83	--
JUN 05...	.1	6.9	121	106	.16	.23	1.1	1.3	5.9	.31	.95	--
JUL 10...	.3	11	528	521	.72	.32	.79	1.1	4.9	.13	.40	--
AUG 07...	.2	9.7	222	218	.30	.28	.70	.98	4.3	.21	.64	13
SEP 05...	.3	11	603	595	.82	.09	1.1	1.2	5.3	.10	.31	17

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BARIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G AS BA)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 19...	1	200	230	0	0	2	10	0
JAN 05...	1	0	--	0	0	12	230	2
APR 03...	2	30	--	1	0	7	250	0
JUL 10...	2	200	--	1	0	1	10	0

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	SIRON- TIUM, DIS- SOLVED (UG/L AS SR)	SIRON- TIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 19...	190	.0	0	0	570	450	20
JAN 05...	20	.1	0	--	120	--	20
APR 03...	4	.1	0	--	70	--	7
JUL 10...	450	.1	0	--	580	--	4

RED RIVER BASIN

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07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCH, TOTAL (UG/L)	PCH, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	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)
OCT 19...	.0	3	.00	.00	.0	.0	28	.00	14	.00	61	.00
APR 03...	.0	--	.00	.00	--	.0	--	.00	--	.00	--	.04

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	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)
OCT 19...	.3	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
APR 03...	--	.00	--	.02	--	.00	.00	--	.00	--	.00	--

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (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)	MEIHYL PARA- THION, TOTAL (UG/L)	MEIHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	MEIHYL TRI- THION, TOTAL (UG/L)	MEIHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)
OCT 19...	.00	.0	.00	.2	.00	.0	.00	.00	.0	.00	.0
APR 03...	.00	--	.00	--	.00	--	.00	.00	--	.00	--

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 19...	.00	.00	.0	.00	0	0	.00	.0	.18	.12	.94
APR 03...	.00	.00	--	.00	0	--	.00	--	.05	.02	.01

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 92°58'35", in SW¼SW¼ 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 (1.1 km) downstream from Sixmile Creek, and 1.0 mi (1.6 km) east of Lucky.

DRAINAGE AREA.--154 mi² (399 km²).

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

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Duplex water-stage recorder (rain gage and water stage combination). Datum of gage is 152.65 ft (46.528 m) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--39 years, 166 ft³/s (4.701 m³/s), 14.64 in/yr (372 mm/yr), 120,300 acre-ft/yr (148 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft³/s (382 m³/s) Jan. 1, 1945, gage height, 12.9 ft (3.93 m), from rating curve extended above 6,400 ft³/s (180 m³/s) on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft³/s (0.068 m³/s) Aug. 14, 1954; minimum gage height, 1.66 ft (0.506 m) Aug. 7, 8, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 4	1800	1240 35.1	7.14 2.176	Mar. 5	1000	1530 43.3	7.46 2.274
Jan. 21	1200	*5220 148	*9.67 2.947	Apr. 2	2200	2360 66.8	8.16 2.487
Jan. 29	2000	1190 33.7	7.07 2.155	Apr. 25	0200	1370 38.8	7.29 2.222
Feb. 27	0100	1490 42.2	7.42 2.262				

Minimum discharge, 3.2 ft³/s (0.09 m³/s) Oct. 24; minimum gage height, 2.39 ft (0.728 m) Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FFB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	7.8	146	385	742	781	1070	135	131	13	25	10
2	11	7.8	153	510	556	538	1960	210	108	12	20	11
3	10	7.6	264	515	470	653	1960	208	100	10	18	15
4	10	7.4	1160	510	450	1110	1450	445	87	9.8	16	12
5	13	7.2	1110	455	480	1420	1150	830	71	9.0	15	14
6	19	8.6	1000	440	544	1150	921	730	68	9.6	14	20
7	17	14	200	700	730	830	700	718	62	34	13	17
8	12	15	144	724	823	538	445	622	67	35	12	14
9	9.2	13	172	730	949	343	370	330	60	22	11	11
10	8.2	11	247	774	956	278	420	183	44	25	11	10
11	7.2	10	193	628	742	400	420	144	36	36	11	9.6
12	7.0	11	122	338	485	440	425	220	29	31	11	9.2
13	6.2	11	86	200	325	385	510	343	25	23	11	9.0
14	6.2	20	67	152	254	285	590	352	20	21	11	8.4
15	5.8	23	55	131	218	212	480	264	21	24	11	8.0
16	5.2	17	47	119	195	179	293	156	18	35	14	7.6
17	4.8	20	41	112	187	158	193	122	17	46	13	8.4
18	4.2	25	37	150	226	153	152	103	17	74	13	25
19	4.2	27	34	837	271	153	137	89	14	56	12	46
20	4.0	33	32	2830	400	170	128	84	13	33	10	108
21	3.8	38	31	4970	445	210	135	80	13	24	10	160
22	3.6	34	26	2870	440	260	250	77	12	19	16	127
23	3.5	27	25	1520	500	293	844	77	12	15	23	90
24	3.2	23	24	1070	788	395	1060	71	12	14	20	48
25	3.5	19	21	802	1000	470	1210	58	16	16	25	29
26	26	48	21	658	1200	375	900	50	27	39	32	21
27	58	131	19	652	1350	238	610	42	17	80	34	17
28	40	103	20	700	1040	177	301	39	19	54	19	15
29	18	86	34	1140	---	155	179	104	16	58	14	13
30	11	118	130	1140	---	141	146	172	14	50	12	14
31	8.8	---	162	994	---	462	---	166	---	33	10	---
TOTAL	357.6	923.4	5823	27756	16766	13352	19369	7224	1166	960.4	487	907.2
MEAN	11.5	30.8	188	895	599	431	646	233	38.9	31.0	15.7	30.2
MAX	58	131	1160	4970	1350	1420	1960	830	131	80	34	160
MIN	3.2	7.2	19	112	187	141	128	39	12	9.0	10	7.6
CFSM	.07	.20	1.22	5.81	3.89	2.80	4.19	1.51	.25	.20	.10	.20
IN.	.09	.22	1.41	6.70	4.05	3.23	4.68	1.75	.28	.23	.12	.22
AC-FT	709	1830	11550	55050	33260	26480	38420	14330	2310	1900	966	1800
(††)	2.41	3.85	5.53	10.97	5.86	4.94	6.12	5.38	.94	2.87	1.20	4.54

CAL YR 1978 TOTAL 34427.2 MEAN 94.3 MAX 4370 MIN 3.2 CFSM .61 IN 8.32 AC-FT 68290
WTR YR 1979 TOTAL 95091.6 MEAN 261 MAX 4970 MIN 3.2 CFSM 1.69 IN 22.97 AC-FT 188600

NOTE.--†† Precipitation, in inches, during month at rain gage at station. Total for calendar year 1978, 37.81 inches; total for water year 1979, 54.61 inches.

RED RIVER BASIN

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07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.72	2.86	4.99	5.83	6.47	6.53	6.93	4.83	4.77	2.75	2.98	2.53
2	2.63	2.87	5.05	6.08	6.16	6.13	7.85	5.36	4.46	2.72	2.85	2.55
3	2.61	2.87	5.54	6.09	6.00	6.32	7.85	5.35	4.35	2.65	2.80	2.70
4	2.61	2.88	7.04	6.08	5.96	6.97	7.38	5.95	4.16	2.62	2.75	2.60
5	2.75	2.88	6.97	5.97	6.02	7.34	7.03	6.60	3.91	2.58	2.70	2.68
6	2.95	2.96	6.84	5.94	6.14	7.02	6.73	6.45	3.87	2.60	2.65	2.85
7	2.89	3.19	5.32	6.40	6.45	6.60	6.40	6.43	3.78	3.30	2.63	2.76
8	2.74	3.24	4.97	6.44	6.59	6.13	5.95	6.27	3.85	3.30	2.59	2.68
9	2.64	3.19	5.18	6.45	6.77	5.74	5.80	5.71	3.75	2.98	2.55	2.58
10	2.60	3.15	5.49	6.52	6.78	5.58	5.90	5.24	3.48	3.06	2.56	2.52
11	2.56	3.12	5.29	6.28	6.47	5.86	5.90	4.93	3.34	3.30	2.56	2.50
12	2.56	3.15	4.77	5.73	6.03	5.94	5.91	5.40	3.20	3.20	2.58	2.48
13	2.54	3.18	4.40	5.32	5.70	5.83	6.08	5.74	3.10	3.00	2.57	2.47
14	2.55	3.44	4.17	5.02	5.51	5.60	6.15	5.76	2.99	2.94	2.55	2.44
15	2.54	3.51	4.01	4.78	5.39	5.37	6.02	5.54	3.02	3.00	2.56	2.42
16	2.53	3.39	3.90	4.61	5.30	5.22	5.62	5.06	2.95	3.25	2.66	2.40
17	2.52	3.46	3.81	4.52	5.26	5.08	5.29	4.66	2.94	3.48	2.63	2.44
18	2.49	3.55	3.75	5.00	5.42	5.03	5.02	4.39	2.92	3.94	2.63	2.95
19	2.50	3.58	3.70	6.61	5.56	5.03	4.85	4.19	2.85	3.66	2.60	3.45
20	2.50	3.69	3.67	8.46	5.86	5.17	4.74	4.12	2.80	3.18	2.56	4.43
21	2.50	3.77	3.65	9.55	5.95	5.36	4.82	4.05	2.79	2.96	2.54	5.10
22	2.50	3.72	3.57	8.48	5.94	5.53	5.50	4.00	2.78	2.82	2.75	4.73
23	2.50	3.59	3.55	7.45	6.06	5.62	6.62	4.00	2.75	2.70	2.92	4.20
24	2.50	3.50	3.53	6.92	6.54	5.85	6.91	3.90	2.75	2.68	2.85	3.52
25	2.53	3.43	3.48	6.56	6.84	6.00	7.10	3.68	2.88	2.74	2.98	3.08
26	3.36	3.88	3.47	6.33	7.09	5.81	6.70	3.54	2.95	3.30	3.15	2.88
27	3.92	4.86	3.43	6.32	7.27	5.46	6.25	3.38	2.89	4.05	3.21	2.76
28	3.65	4.57	3.46	6.40	6.89	5.21	5.64	3.32	2.95	3.62	2.86	2.70
29	3.20	4.40	3.70	7.01	---	5.05	5.22	4.41	2.86	3.68	2.70	2.65
30	2.99	4.73	4.85	7.01	---	4.90	4.96	5.18	2.80	3.55	2.62	2.66
31	2.89	---	5.11	6.83	---	5.89	---	5.14	---	3.20	2.56	---
MEAN	2.74	3.49	4.54	6.35	6.16	5.78	6.10	4.92	3.30	3.12	2.71	2.96
MAX	3.92	4.86	7.04	9.55	7.27	7.34	7.85	6.60	4.77	4.05	3.21	5.10
MIN	2.49	2.86	3.43	4.52	5.26	4.90	4.74	3.32	2.75	2.58	2.54	2.40

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW¼SW¼ sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11140209, near right bank on downstream side of bridge on State Highway 155, 0.5 mi (0.8 km) upstream from Carrol Creek, and 3.3 mi (5.3 km) north of Coushatta.

DRAINAGE AREA.--93.9 mi² (243 km²).

PERIOD OF RECORD.--May 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROHMS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	OXYGEN-DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	SIREP-TUCCUCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
MAY 16...	1545	140	6.4	23.0	100	20	7.1	53	6.7	880	1160	27
JUN 05...	1015	129	6.0	23.0	70	10	4.8	39	4.0	890	--	24
JUL 10...	1330	143	6.6	25.5	80	10	6.1	45	--	180	360	36
AUG 07...	1200	144	6.6	27.0	50	4	3.3	48	--	200	--	38
SEP 05...	1245	126	6.5	25.0	70	6	8.4	63	5.5	200	--	35

DATE	HARDNESS, NONCARBONATE (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)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM DIS-SOLVED (MG/L AS K)	BICARBONATE AS HCO3	CARBONATE AS CO3	ALKALINITY AS CaCO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE DIS-SOLVED (MG/L AS Cl)
MAY 16...	6	5.7	3.1	16	53	1.3	--	25	0	21	15	20
JUN 05...	10	5.7	2.2	15	55	1.3	2.4	17	0	14	13	21
JUL 10...	2	7.0	4.5	12	37	1.5	6.0	41	0	34	11	20
AUG 07...	0	9.6	3.4	10	34	.7	3.1	52	0	43	7.4	13
SEP 05...	0	9.6	2.7	8.8	32	.6	3.8	48	0	39	7.1	9.9

DATE	FLUORIDE DIS-SOLVED (MG/L AS F)	SILICA DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, SOLVED PER ACFT	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY 16...	--	13	106	88	.14	.08	2.2	2.3	10	.06	.18	15
JUN 05...	.1	8.6	96	77	.13	.24	.75	.99	4.4	.10	.31	15
JUL 10...	.1	6.7	96	88	.13	.19	.78	.97	4.3	.10	.31	--
AUG 07...	.1	6.6	110	79	.15	.04	.84	.88	3.9	.13	.40	16
SEP 05...	.1	3.5	82	70	.11	.08	1.3	1.4	6.1	.06	.18	14

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL (UG/L AS AS)	BARIUM DIS-SOLVED (UG/L AS Ba)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)
JUN 05...	1	--	0	1	0	4	870
JUL 10...	--	--	100	1	0	5	920
SEP 05...	--	8	--	--	--	--	--

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

RED RIVER BASIN

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07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY REC'D, FM BOT- TOM MA- TERIAL (UG/L 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)	ZINC, DIS- SOLVED (UG/L AS ZN)
DATE									
JUN 05...		0	140	.1	--	0	--	230	10
JUL 10...		5	2400	.0	--	0	--	300	30
SEP 05...		--	--	--	.04	--	0	--	--

		PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	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)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDO, 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)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
DATE													
JUN 05...		.0	--	.00	.00	--	.0	--	.00	--	.00	--	.00
JUL 10...		.0	--	.00	.00	--	.0	--	.00	--	.00	--	.14
SEP 05...		--	0	--	--	.0	--	4	--	3.5	--	3.7	--

		DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, 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/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	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)	
DATE													
JUN 05...		--	.00	--	.00	--	.00	.00	--	.00	--	.00	--
JUL 10...		--	.00	--	.00	--	.00	.00	--	.00	--	.00	--
SEP 05...		6.9	--	.0	--	.0	--	--	.0	--	.0	--	.0

		HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (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 (UG/L)	METH- OXY- CHLOR, TOTAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	
DATE														
JUN 05...		.00	--	.00	--	.00	--	.00	.00	--	.00	--	.00	--
JUL 10...		.00	--	.00	--	.00	--	.00	.00	--	.00	--	.00	--
SEP 05...		--	.0	--	.0	--	.0	--	--	.0	--	.0	--	.0

		MIRFAX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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-D, TOTAL (UG/L)	SILVER, TOTAL (UG/L)
DATE												
JUN 05...		.00	.00	--	.00	0	--	.00	--	.03	.02	.00
JUL 10...		.00	.00	--	.00	0	--	.00	--	.05	.00	.00
SEP 05...		--	--	.0	--	--	0	--	.0	--	--	--

RED RIVER BASIN

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SEDI- MENT SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .002 MM
MAY 16...	200	67
JUN 05...	50	88
JUL 10...	32	88
AUG 07...	28	71
SEP 05...	56	85

RED RIVER BASIN

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07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW¼SE¼ sec.3, T.10 N., R.5 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on parish road, 1.8 mi (2.9 km) northeast of Chivery Dam, 2.8 mi (4.5 km) upstream from Allen Dam, and 5.0 mi (8.0 km) northeast of Clarence.

DRAINAGE AREA.--908 m² or 2,352 km² (see REMARKS).

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

GAGE.--Water-stage recorder. Datum of gage is 94.49 ft (28.801 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Drainage area does not include 412 mi² (1,067 km²) of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre-ft (198 hm³). Considerable regulation by Allen and Chivery Dams. Lakes are used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.88 ft (3.926 m) Jan. 30, 1974; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.82 ft (2.993 m) Jan. 27; minimum, not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	3.29	3.52	4.20	9.13	7.48	4.81	4.88	3.36	3.07	3.36	3.20
2	3.47	3.28	3.52	4.36	8.99	7.50	5.02	4.73	3.37	3.07	3.36	3.28
3	3.45	3.27	3.54	4.36	8.89	7.85	6.09	4.61	3.44	3.06	3.37	3.29
4	3.42	3.26	3.73	4.43	8.70	8.44	7.37	4.71	3.44	3.06	3.38	3.28
5	3.45	3.26	3.73	4.53	8.47	8.55	8.14	4.79	3.44	3.04	3.38	2.85
6	3.43	3.24	3.77	4.76	8.26	8.47	8.66	4.78	3.42	3.03	3.38	2.56
7	3.39	3.29	3.88	5.03	8.37	8.31	8.87	4.82	3.42	3.05	3.37	2.25
8	3.37	3.26	4.02	5.14	8.28	8.09	8.89	4.87	3.37	3.04	3.36	2.45
9	3.36	3.25	4.10	5.23	8.17	7.80	8.80	5.05	3.31	3.03	3.34	2.55
10	3.35	3.23	4.08	5.36	7.95	7.52	8.59	5.39	3.24	3.06	3.33	2.64
11	3.37	3.24	4.10	5.42	7.71	7.23	8.34	5.52	3.20	3.03	3.35	2.74
12	3.33	3.24	4.12	5.43	7.44	6.88	8.13	5.52	3.09	3.02	3.32	2.83
13	3.34	3.24	4.13	5.38	7.15	6.51	7.86	5.41	3.09	3.00	3.30	2.92
14	3.34	3.25	4.12	5.33	6.87	6.22	7.52	5.21	3.11	3.01	3.28	2.98
15	3.31	3.24	4.10	5.26	6.58	5.96	7.18	5.01	3.09	3.03	3.27	3.04
16	3.32	3.25	4.09	5.24	6.36	5.74	6.82	4.82	3.06	3.09	3.25	3.09
17	3.30	3.28	4.07	5.20	6.13	5.56	6.48	4.61	3.08	3.12	3.24	3.15
18	3.29	3.25	4.04	5.19	6.07	5.38	6.14	4.40	3.09	3.12	3.22	3.29
19	3.28	3.24	4.02	5.36	5.93	5.25	5.80	4.14	3.09	3.13	3.22	3.35
20	3.28	3.28	4.00	5.95	5.85	5.16	5.49	3.86	3.13	3.13	3.21	2.99
21	3.28	3.31	3.99	6.60	5.80	5.05	5.26	3.65	3.13	3.14	3.21	2.71
22	3.28	3.32	3.94	7.51	5.75	4.97	5.04	3.43	3.13	3.15	3.28	2.34
23	3.28	3.32	3.91	8.15	5.75	5.05	4.98	3.24	3.13	3.15	3.19	1.99
24	3.27	3.34	3.92	8.79	6.62	4.99	4.87	3.17	3.13	3.14	3.23	1.62
25	3.26	3.34	3.85	9.38	7.17	4.95	4.82	3.16	3.13	3.13	3.21	1.26
26	3.31	3.33	3.83	9.63	7.32	4.96	4.83	3.16	3.12	3.22	3.21	.90
27	3.31	3.49	3.80	9.79	7.43	4.91	4.93	3.13	3.11	3.27	3.22	.64
28	3.30	3.47	3.77	9.74	7.48	4.86	4.95	3.16	3.11	3.30	3.21	.43
29	3.29	3.49	3.75	9.53	---	4.81	4.97	3.25	3.10	3.33	3.21	---
30	3.29	3.51	3.91	9.33	---	4.74	4.96	3.33	3.09	3.34	3.21	---
31	3.28	---	3.93	9.30	---	4.77	---	3.46	---	3.34	3.20	---
MEAN	3.34	3.30	3.91	6.42	7.31	6.26	6.49	4.30	3.20	3.12	3.28	---
MAX	3.49	3.51	4.13	9.79	9.13	8.55	8.89	5.52	3.44	3.34	3.38	3.35
MIN	3.26	3.23	3.52	4.20	5.75	4.74	4.81	3.13	3.06	3.00	3.19	---

NOTE.--Less than 0.37 ft, lowest recordable stage occurred Sept. 28, 29-30.

RED RIVER BASIN

07353000 SALINE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°49'05", long 92°56'55", in SE¼ sec.26, T.10 N., R.6 W., Natchitoches-Winn Parish line, Hydrologic Unit 11140208, near center of span on downstream side of bridge on U.S. Highway 84, 1.8 mi (2.9 km) downstream from Bayou Bourbeaux, 4.0 mi (6.4 km) downstream from Allen Dam, 4.6 mi (7.4 km) east of Clarence, and 6.7 mi (10.8 km) upstream from mouth.

DRAINAGE AREA.--1,386 mi² (3,590 km²).

PERIOD OF RECORD.--October 1949 to December 1973. January 1974 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.75 ft (22.174 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Nov. 2, 1954, nonrecording gage at same site and datum. Water-stage recorder for Black Lake Bayou near Clarence (station 07352895) used as supplementary gage for this station December 1969 to December 1973. Prior to Nov. 3, 1954, auxiliary nonrecording gage; Nov. 3, 1954, to Dec. 3, 1969, auxiliary water-stage recorder; and Mar. 1 to Dec. 31, 1975, auxiliary nonrecording gage 5.3 mi (8.5 km) downstream at datum 72.97 ft (22.241 m) National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--24 years (water years 1950-73), 1,182 ft³/s (33.47 m³/s), 856,400 acre-ft/yr (1.06 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft³/s (402 m³/s) May 19, 1953; maximum daily reverse flow, 6,570 ft³/s (186 m³/s) May 11, 1958 (backwater from Red River); maximum gage height, 40.46 ft (12.332 m) May 21, 1953; minimum discharge (unaffected by backwater), 0.75 ft³/s (0.021 m³/s) Oct. 12, 22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1944 reached a stage of 43.6 ft (13.3 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.37 ft (8.952 m) Apr. 7; minimum 1.29 ft (0.393 m) Nov. 16.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.32	1.55	6.43	9.66	26.30	25.47	19.24	21.34	21.54	10.06	6.78	2.57
2	3.14	1.54	6.53	10.81	26.09	25.72	20.52	20.56	21.80	9.83	8.58	3.00
3	3.00	1.51	6.49	10.60	25.79	26.14	24.09	19.87	22.20	9.57	9.49	3.21
4	2.88	1.49	7.51	10.88	25.58	26.90	27.26	19.98	22.52	8.95	10.29	3.22
5	2.61	1.46	7.30	11.36	25.39	27.17	28.61	20.84	22.63	8.44	10.65	13.53
6	2.82	1.41	6.82	13.39	25.07	27.36	29.22	22.02	23.03	7.85	10.39	13.46
7	2.56	1.78	6.93	15.62	25.28	27.35	29.37	22.99	23.05	7.37	10.08	13.37
8	2.42	1.85	7.82	16.98	25.25	27.14	29.19	23.87	23.37	6.92	10.07	2.76
9	2.09	1.93	8.51	17.68	25.26	26.79	28.95	24.29	23.26	6.45	10.18	2.12
10	2.37	1.89	8.23	17.98	24.90	26.38	28.59	24.44	23.11	6.03	10.29	2.13
11	2.18	1.70	8.67	18.02	24.48	25.90	28.25	24.14	23.23	5.99	10.13	2.11
12	2.14	1.57	9.37	17.81	23.93	25.15	27.90	23.66	22.75	6.32	9.61	2.12
13	2.14	1.53	9.72	17.38	23.24	24.13	27.63	23.08	21.38	6.32	8.83	2.11
14	2.21	1.46	9.71	17.14	22.53	22.88	27.30	22.12	20.42	6.25	7.95	2.09
15	1.92	1.46	9.40	16.53	21.76	21.44	26.82	21.07	20.36	6.43	7.28	2.09
16	1.82	1.37	9.30	16.10	20.84	20.28	26.16	20.25	20.78	6.60	6.77	2.09
17	1.79	1.64	9.23	15.65	19.74	19.24	25.43	19.77	20.89	6.48	6.32	2.09
18	1.74	1.44	8.85	15.45	19.75	18.02	24.75	19.43	20.83	5.80	5.66	2.28
19	1.66	1.43	8.35	16.51	19.12	17.06	24.12	18.95	20.84	5.66	5.04	2.79
20	1.64	2.07	7.83	19.60	18.70	16.16	23.31	18.43	21.03	5.71	4.67	13.74
21	1.62	8.42	7.73	22.76	18.44	15.39	22.58	17.84	20.75	5.68	4.44	14.11
22	1.58	10.15	7.07	24.70	18.07	14.90	21.96	17.13	20.05	5.65	4.15	13.95
23	1.57	10.37	6.66	25.63	18.09	15.25	21.97	16.79	19.08	5.58	3.78	13.85
24	1.59	10.02	6.63	26.17	22.38	15.26	22.53	15.39	17.70	5.23	3.63	13.73
25	1.49	9.71	6.10	26.62	23.89	15.63	23.13	13.47	15.99	4.62	3.44	13.65
26	1.54	9.19	5.87	26.85	24.20	16.70	23.51	14.14	14.39	4.54	3.38	13.52
27	1.69	8.87	5.68	27.15	24.40	17.73	23.76	18.57	13.07	4.49	3.24	12.98
28	1.62	7.75	5.39	27.31	25.05	18.35	23.55	20.44	12.05	4.64	3.07	12.85
29	1.57	7.01	5.22	27.13	---	18.65	23.04	20.76	11.15	4.88	2.91	12.77
30	1.55	6.57	6.61	26.73	---	18.47	22.29	21.09	10.49	5.41	2.73	12.72
31	1.54	---	6.86	26.67	---	18.07	---	21.32	---	5.75	2.64	---
MEAN	2.06	4.00	7.51	19.12	22.98	21.33	25.17	20.26	19.79	6.44	6.66	7.57
MAX	3.32	10.37	9.72	27.31	26.30	27.36	29.37	24.44	23.37	10.06	10.65	14.11
MIN	1.49	1.37	5.22	9.66	18.07	14.90	19.24	13.47	10.49	4.49	2.64	2.09

RED RIVER BASIN

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07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE¼NW¼ sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi (3.2 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Aloha.

DRAINAGE AREA.--80.4 mi² (208 km²).

PERIOD OF RECORD.--February 1969 to current year (see REMARKS).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft (28.127 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Records good. Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft (46-m) concrete spillway. The crest of the spillway is 3.05 ft (0.930 m) gage height. Drawdown structure consist of one 5-by 5-ft (1.5-by 1.5-m) metal sluice gate that can be varied from -16.78 to -11.78 ft (-5.115 to -3.591 m) gage height. Area of lake is 1,580 acres (640 hm²), usable capacity 11,200 acre-ft (13.8 hm³) at 3.05 ft (0.930 m) gage height. Reservoir is used for recreation. Records of daily discharge are outflow over spillway and do not include flow through sluice gate. During periods of Red River backwater, discharges are not computed when spillway is submerged (reverse flow can occur).

AVERAGE DISCHARGE.--9 years (water years 1970-72, 1974-79), 72.6 ft³/s (2.056 m³/s), 52,600 acre-ft/yr (64.9 hm³/yr). The figure published in the 1978 report was in error; the correct figure is 8 years (water years 1970-72, 1974-78), 68.0 ft³/s (1.926 m³/s), 49,270 acre-ft/yr (60.7 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,470 ft³/s (268 m³/s) Apr. 13, 1974, gage height, 9.12 ft (2.780 m); no flow at times most years. Reverse flow possible May 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,240 ft³/s (91.76 m³/s) Jan. 20, gage height, 6.18 ft (1.884 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	478	0	335	56	56	40	0	14	
2			0	570	0	267	115	45	49	0	10	
3			0	494	0	307	486	80	68	0	8.5	
4			0	408	0	349	829	178	60	0	5.5	
5			0	294	0	356	723	189	60	0	4.0	
6			0	307	105	335	536	178	56	0	2.0	
7			0	650	400	261	371	156	52	0	0	
8			5.5	780	494	200	261	115	46	0	0	
9			16	632	469	156	194	88	37	0	0	
10			14	454	363	151	151	68	28	0	0	
11			14	314	254	178	115	52	22	0	1.0	
12			12	218	200	194	125	43	18	0	7.0	
13			12	178	167	194	172	34	16	0	4.0	
14			10	140	140	172	156	26	12	0	3.0	
15			8.5	105	120	135	115	24	8.5	8.5	2.0	
16			8.5	92	110	125	80	20	7.0	8.5	1.0	
17			7.0	84	105	120	60	18	3.0	7.0	0	
18			5.5	76	172	120	46	14	1.0	4.0	0	
19			5.5	858	194	115	60	12	0	2.0	0	
20			5.5	2960	206	115	261	10	0	3.0	0	
21			5.5	2160	212	110	218	7.0	0	12	0	
22			4.0	1050	230	110	172	5.5	0	20	0	
23			3.0	469	640	151	130	8.5	0	14	0	
24			3.0	212	2280	183	96	7.0	0	8.5	0	
25			2.0	80	1790	200	84	4.0	0	10	0	
26			1.0	26	1020	162	72	2.0	0	28	0	
27			0	18	623	115	150	0	0	52	0	
28			0	12	446	84	130	0	0	52	0	
29			1.0	10	---	64	90	3.0	0	40	0	
30			34	5.5	---	56	70	16	0	28	0	
31			135	2.0	---	49	---	31	---	20	0	
TOTAL	0	0	312.5	14136.5	10740	5469	6124	1490.0	583.5	317.5	62.0	0
MEAN	0	0	10.1	456	384	176	204	48.1	19.5	10.2	2.00	0
MAX	0	0	135	2960	2280	356	829	189	68	52	14	0
MIN	0	0	0	2.0	0	49	46	0	0	0	0	0
AC-FT	0	0	620	28040	21300	10850	12150	2960	1160	630	123	0

CAL YR 1978 TOTAL 11847.0 MEAN 32.5 MAX 494 MIN 0 AC-FT 23500
WTR YR 1979 TOTAL 39235.0 MEAN 107 MAX 2960 MIN 0 AC-FT 77820

NOTE.--Below 2.14-ft gage height (lowest recordable stage) Sept. 21-30.

RED RIVER BASIN

07353520 NANTACHIE LAKE NEAR ALOHA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.60	2.31	2.47	4.01	2.93	3.82	3.31	---	3.26	2.90	3.15	2.94
2	2.58	2.30	2.47	4.12	2.77	3.72	3.45	---	3.29	2.88	3.13	2.93
3	2.58	2.30	2.53	4.03	2.58	3.78	4.02	---	3.34	2.86	3.12	2.94
4	2.57	2.29	2.74	3.92	2.67	3.84	4.40	3.57	3.32	2.84	3.10	2.94
5	2.58	2.28	2.84	3.76	2.99	3.85	4.29	3.59	3.32	2.84	3.09	2.93
6	2.60	2.28	2.90	3.78	3.43	3.82	4.08	3.57	3.31	2.83	3.07	2.93
7	2.58	2.29	2.99	4.21	3.91	3.71	3.87	3.53	3.30	2.84	3.05	2.92
8	2.55	2.27	3.10	4.35	4.03	3.61	3.71	3.45	3.28	2.83	3.03	2.90
9	2.54	2.26	3.16	4.19	4.00	3.53	3.60	3.39	3.25	2.83	3.01	2.88
10	2.53	2.25	3.15	3.98	3.86	3.52	3.52	3.34	3.22	2.81	3.02	2.86
11	2.52	2.25	3.15	3.79	3.70	3.57	3.45	3.30	3.19	2.83	3.06	2.84
12	2.51	2.25	3.14	3.64	3.61	3.60	3.47	3.27	3.17	2.89	3.11	2.83
13	2.50	2.25	3.14	3.57	3.55	3.60	3.56	3.24	3.16	2.97	3.09	2.81
14	2.49	2.25	3.13	3.50	3.50	3.56	3.53	3.21	3.14	3.02	3.08	2.79
15	2.46	2.26	3.12	3.43	3.46	3.49	3.45	3.20	3.12	3.12	3.07	2.70
16	2.45	2.26	3.12	3.40	3.44	3.47	3.37	3.18	3.11	3.12	3.06	2.39
17	2.43	2.27	3.11	3.38	3.43	3.46	3.32	3.17	3.08	3.11	3.05	2.20
18	2.42	2.25	3.10	3.36	3.56	3.46	3.28	3.15	3.06	3.09	3.04	2.18
19	2.40	2.24	3.10	4.31	3.60	3.45	3.32	3.14	3.05	3.07	3.02	2.16
20	2.39	2.25	3.10	6.01	3.62	3.45	3.71	3.13	3.04	3.08	3.01	2.15
21	2.38	2.27	3.10	5.49	3.63	3.44	3.64	3.11	3.03	3.14	2.99	---
22	2.38	2.26	3.09	4.61	3.66	3.44	3.56	3.10	3.02	3.18	2.98	---
23	2.37	2.26	3.08	4.00	4.20	3.52	3.48	3.12	3.01	3.15	2.98	---
24	2.37	2.25	3.08	3.63	5.57	3.58	3.41	3.11	3.00	3.12	3.00	---
25	2.36	2.25	3.07	3.37	5.22	3.61	3.38	3.09	3.00	3.13	3.00	---
26	2.36	2.29	3.06	3.21	4.58	3.54	3.35	3.07	2.98	3.22	3.00	---
27	2.37	2.38	3.05	3.17	4.18	3.45	---	3.05	2.96	3.30	3.00	---
28	2.35	2.39	3.04	3.14	3.97	3.38	---	3.04	2.95	3.30	2.98	---
29	2.34	2.44	3.06	3.13	---	3.33	---	3.08	2.93	3.26	2.98	---
30	2.33	2.47	3.24	3.10	---	3.31	---	3.16	2.92	3.22	2.97	---
31	2.32	---	3.49	3.07	---	3.29	---	3.23	---	3.18	2.96	---
MEAN	2.46	2.29	3.03	3.83	3.70	3.55	---	---	3.13	3.03	3.04	---
MAX	2.60	2.47	3.49	6.01	5.57	3.85	4.40	3.59	3.34	3.30	3.15	2.94
MIN	2.32	2.24	2.47	3.07	2.58	3.29	3.28	3.04	2.92	2.81	2.96	---

07354000 LITTLE SANDY CREEK AT KISATCHIE, LA

LOCATION.--Lat 31°24'30", long 93°10'15", in SE¼ sec.15, T.5 N., R.8 W., Natchitoches Parish, Hydrologic Unit 11140207, near right bank on downstream side of bridge on State Highway 117, 0.5 mi (0.8 km) south of Kisatchie, and 2.0 mi (3.2 km) upstream from mouth.

DRAINAGE AREA.--21.4 mi² (55.4 km²).

PERIOD OF RECORD.--September 1949 to September 1979 (discontinued).

REVISED RECORDS.--WDR LA-75: 1961(M).

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft (62.313 m) National Geodetic Vertical Datum of 1929. May 20, 1954, to Aug. 31, 1965, nonrecording gage at same site and datum.

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--30 years, 29.5 ft³/s (0.835 m³/s), 18.72 in/yr (475 mm/yr), 21,370 acre-ft/yr (26.3 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,880 ft³/s (166 m³/s) Apr. 29, 1953, gage height, 15.36 ft (4.682 m); minimum, 0.2 ft³/s (0.006 m³/s) Sept. 19, 21, 22, 27, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 3	2000	1220 34.6	6.05 1.844	Feb. 23	2400	1680 47.6	7.43 2.265
Dec. 7	0330	1280 36.2	6.25 1.905	Apr. 2	0700	1180 33.4	5.92 1.804
Jan. 1	0630	*1950 55.2	*8.18 2.493	Apr. 2	2200	1360 38.5	6.50 1.981
Jan. 7	0030	1230 34.8	6.10 1.859	Apr. 3	2100	1090 30.9	5.62 1.713
Jan. 19	1800	1060 30.0	5.52 1.682	Sept. 20	1100	1150 32.6	5.83 1.777

Minimum daily discharge, 1.4 ft³/s (0.396 m³/s) Sept. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	1.8	6.0	813	28	37	24	19	52	2.1	2.8	2.1
2	2.6	1.8	4.6	64	26	30	533	18	45	2.0	2.4	2.1
3	2.3	1.7	297	39	40	179	656	18	23	2.0	2.3	2.0
4	2.3	1.7	116	27	40	56	144	93	11	1.9	2.2	2.0
5	4.4	1.6	40	27	92	38	74	33	8.6	1.9	2.1	1.9
6	5.5	2.0	30	436	356	32	55	22	14	1.9	2.0	2.0
7	4.0	2.1	300	293	82	31	45	17	19	5.0	1.9	1.9
8	3.4	2.0	103	53	48	29	41	14	8.3	5.5	1.9	1.8
9	3.0	1.9	44	36	38	26	37	12	6.0	3.4	1.8	1.7
10	3.0	1.9	28	26	32	73	33	11	4.6	3.4	1.9	1.6
11	2.9	1.8	21	18	28	56	31	9.9	4.0	3.2	1.9	1.5
12	2.6	1.8	17	15	26	35	28	9.5	3.4	2.9	1.9	1.5
13	2.4	1.8	16	13	23	30	28	9.2	3.2	2.6	1.9	1.6
14	2.4	2.1	14	9.9	20	26	22	8.6	3.0	3.0	1.9	1.5
15	2.2	2.4	13	9.2	18	22	19	7.8	3.2	2.8	2.1	1.4
16	2.2	2.1	12	8.9	16	178	17	7.0	3.0	3.2	2.2	1.5
17	2.2	2.0	11	8.3	36	82	15	6.5	2.9	2.8	1.9	1.6
18	2.2	2.0	9.9	8.0	132	44	14	6.0	2.9	2.3	2.4	1.5
19	2.2	1.9	9.5	263	39	36	14	6.2	3.0	2.2	3.8	1.5
20	2.2	3.0	9.2	362	34	196	48	5.8	2.9	2.1	2.9	326
21	2.1	3.2	8.9	61	29	54	104	5.5	2.6	2.6	4.1	32
22	1.9	2.8	8.6	40	94	160	293	5.8	2.3	2.3	2.6	12
23	2.0	2.4	8.3	55	705	69	72	6.2	2.2	2.1	3.0	8.0
24	2.0	2.3	8.3	35	368	44	40	6.2	2.6	2.0	2.2	5.8
25	2.0	2.3	8.0	25	97	39	32	5.8	2.6	2.3	2.8	4.8
26	4.6	25	8.0	80	65	33	25	5.5	2.3	57	3.4	4.4
27	2.8	17	7.8	54	51	28	22	5.5	2.2	18	2.8	4.2
28	2.1	4.4	7.8	29	44	26	20	5.2	2.2	6.0	2.4	4.0
29	1.9	53	30	21	---	24	19	6.2	2.1	4.2	2.3	3.8
30	1.8	12	142	146	---	24	19	81	2.1	3.4	2.2	3.6
31	1.8	---	121	48	---	23	---	40	---	3.0	2.2	---
TOTAL	81.9	163.8	1459.9	3123.3	2607	1760	2524	506.4	246.2	159.1	74.2	441.3
MEAN	2.64	5.46	47.1	101	93.1	56.8	84.1	16.3	8.21	5.13	2.39	14.7
MAX	5.5	53	300	813	705	196	656	93	52	57	4.1	326
MIN	1.8	1.6	4.6	8.0	16	22	14	5.2	2.1	1.9	1.8	1.4
CFSM	.12	.26	2.20	4.72	4.35	2.65	3.93	.76	.38	.24	.11	.69
IN.	.14	.28	2.54	5.43	4.53	3.06	4.39	.88	.43	.28	.13	.77
AC-FT	162	325	2900	6200	5170	3490	5010	1000	488	316	147	875

CAL YR 1978 TOTAL 7625.80 MEAN 20.9 MAX 585 MIN .80 CFSM .98 IN 13.26 AC-FT 15130
WTR YR 1979 TOTAL 13147.10 MEAN 36.0 MAX 813 MIN 1.4 CFSM 1.68 IN 22.85 AC-FT 26080

NOTE.--Discharges below about 50 ft³/s computed from once-daily wire-weight gage readings.

RED RIVER BASIN

07354000 LITTLE SANDY CREEK AT KISATCHIE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.10	.34	4.41	.57	.42	.24	.24	.54	-.14	-.09	-.14
2	.09	.10	.28	1.02	.53	.33	3.17	.23	.62	-.15	-.11	-.14
3	.07	.09	1.86	.70	.72	1.54	3.91	.23	.35	-.15	-.12	-.15
4	.07	.09	1.46	.55	.72	.68	1.46	.99	.17	-.16	-.13	-.15
5	.20	.08	.68	.55	1.30	.43	.85	.44	.14	-.16	-.14	-.16
6	.25	.12	.55	3.08	2.75	.36	.62	.28	.29	-.16	-.15	-.15
7	.18	.13	2.28	2.28	1.21	.34	.49	.22	.38	-.04	-.16	-.16
8	.15	.12	1.34	.89	.82	.32	.43	.17	.17	-.06	-.16	-.17
9	.13	.11	.74	.66	.69	.27	.38	.13	.08	-.04	-.17	-.18
10	.13	.11	.51	.53	.61	.74	.33	.10	.02	-.04	-.16	-.19
11	.12	.10	.40	.42	.57	.67	.30	.08	-.01	-.06	-.16	-.20
12	.11	.10	.34	.37	.53	.39	.27	.07	-.04	-.08	-.16	-.20
13	.10	.10	.32	.34	.49	.33	.27	.06	-.06	-.10	-.16	-.19
14	.10	.13	.29	.27	.45	.27	.18	.04	-.07	-.07	-.16	-.20
15	.09	.16	.27	.25	.42	.21	.13	.01	-.06	-.09	-.14	-.21
16	.09	.13	.25	.24	.39	1.56	.10	-.02	-.07	-.06	-.13	-.20
17	.09	.12	.22	.22	.57	.97	.08	-.04	-.08	-.09	-.16	-.19
18	.10	.12	.20	.21	1.48	.52	.06	-.06	-.08	-.12	-.11	-.20
19	.10	.11	.19	1.82	.70	.41	.05	-.05	-.07	-.13	-.02	-.20
20	.10	.20	.18	2.77	.64	1.75	.53	-.07	-.08	-.14	-.08	2.33
21	.09	.21	.17	.99	.58	.65	.88	-.08	-.10	-.10	-.11	.50
22	.08	.18	.16	.72	1.20	1.37	2.08	-.07	-.12	-.12	-.10	.20
23	.09	.16	.15	.91	3.70	.84	.93	-.05	-.13	-.14	-.07	.08
24	.09	.15	.15	.65	2.55	.52	.53	-.05	-.10	-.15	-.13	-.01
25	.10	.15	.14	.52	1.11	.44	.43	-.07	-.10	-.12	-.09	-.05
26	.27	.52	.14	1.06	.79	.37	.33	-.08	-.12	.83	-.05	-.07
27	.17	.59	.13	.90	.62	.30	.29	-.08	-.13	.37	-.09	-.08
28	.12	.27	.13	.58	.52	.28	.26	-.09	-.13	.08	-.11	-.09
29	.10	.96	.41	.46	---	.25	.25	-.05	-.14	.00	-.12	-.10
30	.10	.50	1.69	1.47	---	.24	.24	.72	-.14	-.04	-.13	-.11
31	.10	---	1.54	.82	---	.23	---	.53	---	-.07	-.13	---
MEAN	.12	.20	.56	.99	.97	.58	.67	.12	.03	-.05	-.12	-.03
MAX	.27	.96	2.28	4.41	3.70	1.75	3.91	.99	.62	.83	-.02	2.33
MIN	.07	.08	.13	.21	.39	.21	.05	-.09	-.14	-.16	-.17	-.21

RED RIVER BASIN

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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 (0.5 km) west of Colfax, and at mile 140.5 (226.1 km).

DRAINAGE AREA.--66,860 mi² (173,167 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1975 to current year.

CHLORIDE: October 1974 to current year.

SUSPENDED-SEDIMENT CONCENTRATION: December 1975 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 11, 1978; minimum daily, 2.0°C Jan. 21, 1977.

CHLORIDE: Maximum daily, 400 mg/L June 29, 1978; minimum daily, 14 mg/L May 13, 1975, Apr. 6, 1977.

SUSPENDED-SEDIMENT CONCENTRATION: 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, 30.0°C July 19-25; minimum daily, 3.0°C Jan. 9.

CHLORIDE: Maximum daily, 380 mg/L Oct. 2; minimum daily, 15 mg/L Apr. 1, 10, 12, 16, 22, 24.

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily, 1,590 mg/L Mar. 29; minimum daily, 46 mg/L Aug. 29.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	20.5	13.0	8.0	5.0	10.0	16.5	19.5		26.0	29.0	29.5
2	24.0	20.5	14.0	7.0	6.0	11.5	16.5	19.5		26.0	29.0	29.5
3	24.0	20.5	13.0	6.0	6.0	11.5	17.0	19.5		26.5	29.0	29.5
4	24.0	20.0	11.0	6.0	6.5	13.0	16.0	19.5		26.5	29.0	29.5
5	23.5	20.5	11.0	5.0	5.0	11.0	16.5	19.5		27.0	29.0	29.5
6	23.5	21.0	13.0	4.5	5.5	11.0	16.5	19.5		27.0	29.0	29.5
7	23.0	20.5	15.0	4.5	5.5	11.0	16.5	19.5		28.0	29.0	29.5
8	23.5	19.5	13.0	4.0	5.5	13.0	16.5	20.0		28.0	29.0	29.5
9	23.5	18.5	11.0	3.0	5.5	13.0	16.5	19.5		29.5	29.0	29.5
10	20.0	17.0	9.0	4.0	6.0	11.0	18.0	19.5		29.5	29.0	29.5
11	20.5	17.0	10.0	4.0	6.5	11.0	18.5	19.5		29.0	29.0	29.5
12	21.0	16.5	9.0	4.5	6.5	13.0	18.5	19.5		29.0	29.0	29.0
13	23.5	16.5	9.0	4.5	8.0	13.0	18.5	19.5		29.0	29.0	29.0
14	23.5	16.5	9.0	4.0	9.0	13.0	18.5	19.5		29.0	29.0	29.0
15	23.5	19.5	9.0	4.0	9.0	13.5	19.0	19.5		29.0	29.0	29.0
16	17.5	19.5	9.0	4.0	10.0	13.5	20.0	19.5		29.0	29.0	29.0
17	19.0	16.5	9.0	5.0	8.0	13.0	20.0	21.0		29.5	29.0	29.0
18	19.0	16.5	9.0	6.0	5.5	14.5	20.0	21.0		29.5	29.0	29.0
19	18.5	17.0	9.0	8.0	5.0	14.5	20.0	22.0		30.0	29.0	29.0
20	18.5	16.5	11.0	9.0	8.5	14.5	20.0	23.0		30.0	29.0	29.0
21	20.0	16.0	11.0	9.0	9.0	14.5	20.0	21.5		30.0	29.0	29.0
22	20.0	16.0	11.0	9.0	9.0	17.0	20.0	21.5		30.0	29.0	29.0
23	19.5	15.0	12.0	9.0	8.5	16.0	20.0	21.5		30.0	29.0	29.0
24	20.0	19.5	12.0	7.0	8.5	15.5	20.0	21.5		30.0	29.0	29.0
25	20.5	16.0	11.0	7.0	9.5	14.5	20.0	21.5		30.0	29.0	29.0
26	20.5	16.0	11.0	6.5	9.5	14.5	20.0	21.5		29.5	29.0	29.0
27	20.5	16.5	11.0	6.0	10.0	14.5	19.0	21.5		29.5	29.0	29.0
28	20.5	13.0	11.0	6.0	10.0	14.5	19.0	21.5		29.5	29.0	29.0
29	20.5	13.0	11.0	6.0	---	15.5	19.0	21.5		29.5	29.0	29.0
30	20.5	13.0	11.0	6.0	---	17.0	19.0	21.5		29.5	29.0	29.0
31	20.5	---	9.0	6.0	---	16.5	---	21.5		29.5	29.0	---

RED RIVER BASIN

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	320	240	52	95	35	40	15	45	45	160	150	130
2	350	220	44	55	45	25	25	40	55	190	140	120
3	340	240	32	60	25	20	25	55	60	190	85	110
4	340	260	32	55	20	25	30	55	45	140	60	110
5	280	260	38	65	25	30	20	55	55	190	40	100
6	300	210	32	50	30	25	20	60	55	200	40	130
7	260	220	32	50	20	25	25	55	60	140	45	120
8	320	240	55	55	25	20	25	50	50	190	50	180
9	280	220	70	55	30	20	20	45	45	180	50	150
10	240	180	65	35	25	25	15	40	50	170	45	150
11	300	240	100	35	30	20	20	30	45	190	55	200
12	280	200	82	35	20	25	15	30	45	200	45	140
13	260	210	50	30	20	20	20	45	50	200	50	160
14	260	240	58	30	35	30	20	40	95	170	50	150
15	260	240	62	40	35	15	20	30	55	170	65	160
16	220	220	45	55	40	25	15	35	60	170	70	140
17	260	200	44	45	35	25	25	40	90	140	60	140
18	240	280	42	40	35	25	25	40	45	140	65	160
19	240	240	44	50	30	25	30	40	70	150	60	160
20	280	220	55	45	35	30	25	30	45	150	60	110
21	280	220	52	30	35	30	20	35	130	140	55	160
22	260	100	90	30	55	30	15	50	150	140	55	120
23	220	40	110	35	25	30	20	55	140	90	70	140
24	280	60	100	35	30	30	15	55	170	90	85	120
25	240	60	84	35	30	30	30	90	170	120	100	150
26	220	20	84	35	30	35	20	45	200	130	110	130
27	260	40	83	50	45	50	20	40	180	150	120	110
28	220	40	70	45	30	45	20	45	180	140	120	110
29	200	60	84	40	---	25	25	40	170	160	120	100
30	220	60	84	35	---	25	45	45	170	150	110	110
31	220	---	90	30	---	20	---	75	---	150	120	---

SUSPENDED-SEDIMENT CONCENTRATION (MG/L), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	141	285		276	588	644	269	929	446	109	116
2	298	114	453		405	872	665	279	870	423	243	119
3	237	177	504		190	928	566	510	808	---	325	85
4	135	142	235		192	953	1060	344	933	369	528	109
5	153	146	351		190	1010	1080	450	636	271	449	154
6	141	252	336		211	960	1120	556	495	212	673	171
7	253	225	328		226	1130	1040	477	488	237	364	104
8	202	218	372		251	764	620	421	577	246	270	134
9	220	235	234		305	604	509	435	---	232	296	99
10	146	177	243		513	701	538	356	774	128	233	174
11	156	116	227		525	617	697	434	632	224	398	113
12	205	209	325		204	540	485	398	660	143	242	154
13	189	214	293		394	492	757	310	601	149	210	104
14	143	144	292		228	839	697	251	565	175	166	139
15	166	133	264		233	409	496	246	832	122	174	152
16	127	223	205		287	292	318	305	539	96	206	228
17	154	925	195		320	272	---	257	532	166	165	108
18	127	155	269		299	313	336	501	685	108	194	192
19	205	205	178		216	462	399	306	614	129	144	135
20	174	144	183		---	474	339	249	732	99	114	179
21	158	449	188		244	266	378	238	596	131	120	401
22	180	820	108		292	481	390	450	462	98	118	123
23	241	668	186		512	296	---	408	519	129	123	121
24	209	519	126		488	374	712	---	654	188	86	185
25	242	418	156		417	237	---	427	673	115	101	293
26	139	397	188		239	332	636	629	819	100	91	155
27	443	353	170		302	433	296	955	617	208	76	139
28	199	378	154		330	---	220	1270	758	90	63	259
29	176	365	145		---	1590	---	1270	576	103	50	153
30	117	326	116		---	838	---	946	488	141	46	181
31	185	---	415		---	689	---	1190	---	99	80	---

RED RIVER BASIN

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07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°27'37", long 92°40'04", 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 (0.3 km) northwest of Boyce, at mile 135.0 (217.2 km).

DRAINAGE AREA.--66,998 mi² (173,525 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INOM- COBALT UNITS)	TUR- BID- IDY (JTU)	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 19...	2100	1420	7.6	15	25	<1.0	9.9	80	9.8	28000	100
NOV 13...	1630	1240	7.6	100	35	<1.0	8.1	75	2.8	1600	120
DEC 05...	0730	307	7.2	120	140	<1.0	9.7	55	6.1	K97000	8000
JAN 05...	1415	275	7.6	70	130	<1.0	12.0	87	4.7	K130000	K2600
FEB 06...	0830	155	7.1	75	75	<1.0	12.2	49	4.1	6400	620
MAR 05...	0800	177	7.1	160	240	<1.0	10.5	53	4.1	5000	K600
APR 03...	0815	175	7.4	240	240	<1.0	7.7	38	3.4	--	K2200
MAY 14...	1500	165	7.3	120	80	<1.0	6.1	41	--	3400	280
JUN 04...	1445	349	7.6	50	250	<1.0	6.2	57	1.1	3000	K710
JUL 09...	1900	980	7.9	15	40	<1.0	7.6	24	--	1300	K3800
AUG 05...	1500	296	7.6	40	200	<1.0	6.3	36	--	420	K140
SEP 04...	1600	761	7.5	20	15	<1.0	7.6	36	1.5	--	K70

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 19...	320	130	81	28	232	0	140	240	13	.00	.00
NOV 13...	260	86	71	20	212	0	110	190	49	.07	.05
DEC 06...	71	3	21	4.4	82	0	19	36	120	.73	.05
JAN 05...	66	18	18	5.2	59	0	27	37	162	.25	.05
FEB 06...	41	7	12	2.6	41	0	13	16	134	.21	.08
MAR 06...	64	18	20	3.3	55	0	18	13	550	.32	.10
APR 03...	58	13	18	3.1	54	0	17	15	572	.26	.10
MAY 14...	59	17	18	3.5	52	0	20	21	115	.18	.04
JUN 04...	91	27	28	5.1	78	0	40	42	270	.06	.04
JUL 09...	210	110	58	17	120	0	150	170	46	.01	.04
AUG 06...	80	9	23	5.5	87	0	27	38	328	.18	.04
SEP 04...	210	26	58	15	220	0	64	90	--	.00	.00

< 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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT 19...	.00	1.8	.14	2	1	1	0	0	0	1	0	1
NOV 13...	.12	.83	.29	3	1	2	0	0	0	2	0	2
DEC 06...	.78	1.1	.30	3	1	2	10	0	10	0	0	0
JAN 05...	.30	.75	.31	2	1	1	10	10	0	0	0	0
FEB 06...	.29	.64	.28	2	1	1	0	0	0	0	0	0
MAR 06...	.42	.72	.11	4	3	1	10	10	0	0	0	0
APR 03...	.36	.40	.42	8	7	1	0	0	0	3	3	0
MAY 14...	.22	.92	.10	3	2	1	0	0	0	1	0	1
JUN 04...	.10	1.1	.29	3	2	1	0	0	0	1	0	1
JUL 09...	.05	.27	.10	1	0	1	1	0	1	1	0	1
AUG 06...	.22	.53	.02	3	2	1	10	9	1	1	0	1
SEP 04...	.00	.71	.10	2	0	2	10	10	0	1	0	1

DATE	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, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 19...	0	0	4	0	4	20	3	3	0	.0	.0	.0
NOV 13...	20	0	12	0	12	280	25	22	3	.0	.0	.0
DEC 06...	10	1	12	4	6	210	14	9	5	.0	.0	.0
JAN 05...	10	0	16	5	11	500	12	10	2	.1	.1	.0
FEB 06...	0	0	10	1	9	140	15	14	1	.0	.0	.0
MAR 06...	10	0	23	20	3	40	20	18	2	.1	.1	.0
APR 03...	20	0	22	16	6	100	29	29	0	.4	.4	.0
MAY 14...	0	0	9	5	4	60	20	20	0	.0	.0	.0
JUN 04...	20	0	18	11	7	80	22	22	0	.2	.1	.1
JUL 09...	0	0	6	3	3	20	9	9	0	.1	.0	.1
AUG 06...	10	0	10	5	5	30	18	16	2	.1	.0	.1
SEP 04...	10	--	9	5	4	10	63	63	0	.2	.0	.2

RED RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE 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, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 19...	3	2	1	0	0	0	--	10	0	10	9.4	.00
NOV 13...	3	0	3	0	0	0	--	40	0	40	24	.00
DEC 06...	11	8	3	0	0	0	.0	30	10	20	16	.00
JAN 05...	6	5	1	0	0	0	.8	20	0	20	12	.00
FEB 06...	7	5	2	0	0	0	.1	20	10	10	12	.00
MAR 06...	22	22	0	0	0	0	.1	60	50	10	15	.00
APR 03...	28	28	0	1	1	0	1.3	70	50	20	16	.00
MAY 14...	11	11	0	0	0	0	.6	40	30	10	12	.00
JUN 04...	16	15	1	0	0	0	4.2	60	40	20	12	.00
JUL 09...	7	4	3	0	0	0	--	20	20	4	--	.00
AUG 06...	9	5	4	0	0	0	1.0	20	10	7	--	.00
SEP 04...	3	1	2	0	0	0	2.0	10	1	9	14	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR- TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 19...	2	0	.0	1	.00	.000	.0	.0	0	.000	.1	.000
NOV 13...	2	0	.0	--	.00	.000	--	.0	--	.000	--	.000
DEC 06...	1	1	.0	--	.00	.000	--	.0	--	.007	--	.007
JAN 05...	4	16	.0	0	--	.000	.0	.0	0	.000	.0	.007
FEB 06...	2	2	.0	--	.00	.000	--	.0	--	.000	--	.000
MAR 06...	1	0	.0	--	--	.000	--	.0	--	.000	--	.002
APR 03...	2	0	.0	0	.00	.000	.0	.0	0	.000	.0	.000
MAY 14...	15	--	--	--	--	--	--	--	--	--	--	--
JUN 04...	2	0	.0	--	.00	.000	--	.0	--	.000	--	.000
JUL 09...	0	0	.0	0	.00	.000	.0	.0	0	.000	.5	.000
AUG 06...	5	0	.0	--	.00	.000	--	.0	--	.000	--	.000
SEP 04...	4	0	.0	--	.00	.000	--	.0	--	.000	--	.000

RED RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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)	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)
OCT 19...	.5	.000	.0	.01	.0	.001	.0	.000	.000	.0	.00	.0
NOV 13...	--	.000	--	.01	--	.000	--	.000	.000	--	.00	--
DEC 06...	--	.007	--	.02	--	.000	--	.000	.000	--	.00	--
JAN 05...	.1	.007	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0
FEB 06...	--	.000	--	.00	--	.000	--	.000	.000	--	.00	--
MAR 06...	--	.002	--	.00	--	.000	--	.000	.000	--	.00	--
APR 03...	.3	.020	.7	.00	.0	.012	.0	.000	.000	.0	.00	.0
JUN 04...	--	.000	--	.01	--	.000	--	.000	.000	--	.00	--
JUL 09...	1.2	.000	.0	.00	.0	.002	.0	.000	.000	.0	.00	.0
AUG 06...	--	.003	--	.02	--	.004	--	.000	.000	--	.00	--
SEP 04...	--	.000	--	.02	--	.000	--	.000	.000	--	.00	--
DATE	HEPTA- CHLOR, TOTAL (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 (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THI- ON, TOTAL (UG/L)
OCT 19...	.000	.0	.000	.0	.002	.0	.00	.0	.00	.00	.0	.00
NOV 13...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
DEC 06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
JAN 05...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
FEB 06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
MAR 06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
APR 03...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
JUN 04...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
JUL 09...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
AUG 06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
SEP 04...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00

RED RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	MIKEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT					
19...	.00	.00	--	.00	.00
NOV					
13...	--	.00	--	.00	.00
DEC					
06...	--	.00	--	.00	.00
JAN					
05...	.00	.00	.00	.00	.00
FEB					
06...	--	.00	--	.00	.00
MAR					
06...	--	.00	--	.00	.00
APR					
03...	.00	.00	--	.00	.00
JUN					
04...	--	.00	--	.00	.00
JUL					
09...	.00	.00	--	.00	.00
AUG					
06...	--	.00	--	.00	.00
SEP					
04...	--	.00	--	.00	.00

DATE	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT						
19...	0	.00	.00	.01	.03	.10
NOV						
13...	--	.00	--	.00	.00	.00
DEC						
06...	--	.00	--	.04	.06	.00
JAN						
05...	0	.00	.00	.13	.02	.00
FEB						
06...	--	.00	--	.00	.00	.00
MAR						
06...	--	.00	--	.00	.00	.00
APR						
03...	0	.00	.00	.01	.00	.01
JUN						
04...	--	.00	--	.04	.01	.00
JUL						
09...	0	.00	.00	.02	.00	.04
AUG						
06...	--	.00	--	.02	.33	.00
SEP						
04...	--	.00	--	.03	.05	.00

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA

LOCATION.--Lat 31°18'46", long 92°26'34", in SE¼ sec.10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040401, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette. Water-quality sampling site at center of channel 0.3 mi (0.5 m) downstream.

DRAINAGE AREA.--67,500 mi² (174,800 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to September 1978. 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 (13.490 m) National Geodetic Vertical Datum of 1929 or 44.18 ft (13.466 m) above mean Gulf level, Mississippi River Commission datum (levels by Corps of Engineers). Prior to July 14, 1934, non-recording 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; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--50 years (water years 1929-78) 31,027 ft³/s (878.7 m³/s), 22,479,000 acre-ft/yr (27.7 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 233,000 ft³/s (6,600 m³/s) Apr. 17, 1945, gage height, 45.23 ft (13.768 m); minimum, 873 ft³/s (24.7 m³/s) Oct. 30, 1956, gage height, -3.01 ft (-0.917 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 210,000 ft³/s (5,950 m³/s) was measured July 2, 1908, gage height, 41.6 ft (12.68 m).

EXTREMES FOR CURRENT YEAR.--Water year 1978: Maximum daily discharge, 50,000 ft³/s (1,420 m³/s) May 14; minimum daily, 3,300 ft³/s (93.5 m³/s) Aug. 20.

RECORDS FOR THE 1979 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 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4300	4300	11000	5600	31000	19000	48000	12000	13000	15000	4600	4900
2	4200	5900	12000	5500	32000	18000	46000	11000	13000	15000	4200	4900
3	4400	6700	11000	5200	30000	18000	44000	11000	14000	14000	4300	4800
4	4800	6700	9700	5000	28000	18000	41000	10000	14000	14000	4200	5100
5	5200	6500	9400	4900	25000	18000	37000	11000	13000	14000	4100	5700
6	5500	6700	9000	4900	23000	18000	32000	11000	11000	14000	4100	5700
7	5300	7500	8300	4800	22000	18000	28000	12000	11000	11000	4100	5600
8	5000	8800	8800	5100	20000	17000	25000	17000	14000	9400	4100	5300
9	5000	10000	8300	5600	18000	17000	23000	32000	14000	7900	4100	5200
10	5000	10000	7600	5600	16000	17000	20000	42000	14000	7000	4100	5200
11	5200	9600	6800	5600	15000	17000	18000	47000	13000	6300	4300	5300
12	5400	9200	6300	6000	14000	18000	17000	48000	12000	5800	4400	5400
13	5400	9200	6500	5900	16000	21000	16000	49000	13000	5600	4400	5300
14	5100	9300	9700	6100	19000	27000	16000	50000	19000	5400	4800	5200
15	4600	9100	13000	6400	19000	31000	15000	49000	29000	4900	4300	5000
16	4300	8600	13000	6600	19000	33000	14000	44000	33000	4600	4100	5000
17	4200	8000	12000	8100	18000	33000	14000	39000	33000	4300	4000	5100
18	4400	7200	11000	11000	17000	32000	16000	35000	33000	4000	3700	5200
19	4500	6800	11000	11000	17000	31000	18000	31000	32000	3700	3400	5200
20	4500	6800	9800	12000	18000	29000	19000	27000	30000	3600	3300	5100
21	4400	7300	9100	14000	19000	27000	20000	23000	26000	3900	3600	5000
22	4500	8000	8500	16000	22000	25000	19000	20000	23000	4200	3800	4800
23	4800	7700	8200	17000	23000	23000	17000	16000	20000	4800	4100	4600
24	4900	6900	8000	20000	23000	22000	15000	14000	19000	4700	4200	4500
25	4900	6200	7400	27000	22000	22000	13000	12000	18000	4600	4200	4700
26	5000	5600	6800	29000	21000	22000	12000	13000	17000	4500	4100	4800
27	4900	5500	6500	29000	20000	22000	11000	13000	17000	5100	4200	4900
28	4700	5500	6200	30000	20000	23000	11000	12000	17000	4600	4400	4900
29	4400	6200	6500	30000	---	32000	10000	12000	17000	4300	5600	4700
30	4200	8500	6800	30000	---	42000	11000	14000	16000	4400	5300	4300
31	4100	---	6500	31000	---	48000	---	14000	---	4700	4900	---
TOTAL	147100	224300	274700	403900	587000	758000	646000	751000	568000	219100	131000	151400
MEAN	4745	7477	8861	13030	20960	24450	21530	24230	18930	7068	4226	5047
MAX	5500	10000	13000	31000	32000	48000	48000	50000	33000	15000	5600	5700
MIN	4100	4300	6200	4800	14000	17000	10000	10000	11000	3600	3300	4300
AC=FT	291800	444900	544900	801100	1164000	1503000	1281000	1490000	1127000	434600	259800	300300
CAL YR 1977 TOTAL	8124800			MEAN 22260	MAX 102000	MIN 4100	AC=FT 16120000					
WTR YR 1978 TOTAL	4861500			MEAN 13320	MAX 50000	MIN 3300	AC=FT 9643000					

RED RIVER BASIN

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07355500 RED RIVER AT ALEXANDRIA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.70	-1.00	3.50	.00	10.94	6.92	15.30	4.02	4.94	5.54	-.04	.44
2	-.85	.15	3.97	-.11	11.42	6.71	14.84	3.98	4.84	5.14	-.26	.44
3	-.72	.75	3.30	-.27	10.92	6.66	14.50	3.60	5.19	4.84	-.54	.36
4	-.48	.77	2.75	-.45	10.25	6.66	14.04	3.44	5.34	4.69	-.71	.51
5	-.10	.65	2.50	-.60	9.55	6.76	13.04	3.65	4.94	4.59	-.85	.91
6	.10	.67	2.30	-.60	8.80	6.69	11.84	3.82	4.09	4.19	-.88	1.16
7	.05	1.10	1.52	-.70	8.20	6.53	10.70	4.24	3.46	3.34	-.85	1.16
8	-.25	1.89	1.99	-.59	7.54	6.29	9.69	5.25	5.09	2.39	-.81	.72
9	-.25	2.70	1.71	-.12	6.75	6.11	8.74	10.86	5.40	1.69	-.87	.42
10	-.25	2.87	1.27	-.10	6.00	6.14	7.69	13.56	5.20	1.24	-.85	.32
11	-.15	2.57	.75	-.16	5.35	6.25	6.86	14.32	4.84	.94	-.61	.56
12	-.05	2.25	.43	.01	4.75	6.30	6.19	14.78	4.34	.64	-.46	.79
13	.00	2.27	.25	.08	5.45	7.44	5.84	15.01	4.40	.49	-.51	.69
14	-.15	2.35	1.70	.24	6.95	9.54	5.69	15.18	6.01	.44	-.08	.44
15	-.50	2.22	4.10	.32	7.00	10.54	5.39	15.17	10.21	.19	-.51	.04
16	-.85	1.89	4.04	.52	6.92	11.11	4.84	14.25	11.44	.01	-.81	.09
17	-.95	1.57	3.65	1.15	6.50	11.28	4.89	13.12	11.76	-.14	-1.06	.21
18	-.85	1.10	2.87	3.25	6.15	10.95	5.69	12.16	11.59	-.29	-1.26	.36
19	-.75	.90	2.41	3.70	6.20	10.60	6.54	11.32	11.49	-.44	-1.46	.38
20	-.76	.80	1.95	4.10	6.33	10.02	7.04	10.36	11.04	-.54	-1.56	.34
21	-.80	1.00	1.48	4.75	6.85	9.34	7.34	9.33	10.19	-.61	-1.36	.09
22	-.75	1.60	1.02	5.75	7.87	8.74	6.94	8.30	9.29	-.41	-1.26	-.03
23	-.55	1.55	.85	6.34	8.43	8.23	6.29	7.33	8.46	-.11	-1.01	-.26
24	-.35	1.05	.70	7.15	8.31	8.01	5.59	6.34	7.59	-.01	-.86	-.32
25	-.42	.65	.32	9.74	7.94	7.92	4.89	5.50	7.01	.00	-.88	-.21
26	-.33	.25	-.10	10.54	7.65	7.93	4.24	5.03	6.74	-.16	-.91	-.11
27	-.34	.00	-.32	10.55	7.44	7.97	3.79	4.77	6.54	.24	-.91	-.06
28	-.55	.14	-.47	10.70	7.28	7.84	3.55	4.44	6.49	.04	-.81	-.04
29	-.75	.10	-.50	10.77	---	9.89	3.35	4.29	6.31	-.26	-.26	-.19
30	-.87	1.45	-.02	10.80	---	13.74	3.52	5.09	6.04	-.21	.43	-.44
31	-.97	---	.17	10.89	---	15.24	---	5.29	---	-.06	.41	---
MEAN	-.49	1.21	1.62	3.47	7.63	8.53	7.63	8.32	7.01	1.21	-.72	.29
MAX	.10	2.87	4.10	10.89	11.42	15.24	15.30	15.18	11.76	5.54	.43	1.16
MIN	-.97	-1.00	-.50	-.70	4.75	6.11	3.35	3.44	3.46	-.61	-1.56	-.44

RED RIVER BASIN

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 current year.

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 1978.

REMARKS.--Samples for daily chloride are collected by Corps of Engineers and analyzed by Geological Survey.

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 (1,556,000 tonnes) Dec. 9, 1973; minimum daily, 1,000 tons (907 tonnes) Oct. 10-22, 1972.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,660 micromhos Oct. 3; minimum daily, 138 micromhos Feb. 12, 13.

WATER TEMPERATURES: Maximum daily, 30.0°C several days during summer; minimum daily, 3.0°C Jan. 15.

CHLORIDE: Maximum daily, 420 mg/L Oct. 12; minimum daily, 12 mg/L Apr. 13, 14, 23, 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALI UNITS)	TUR- BID- ITY (JTU)	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- TOCOC- FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)
OCT 20...	0845	1350	7.8	10	20	14	8.7	4.4	--	6600	330
NOV 13...	1730	1260	7.6	60	35	1.5	8.2	3.9	170	1800	250
DEC 05...	1730	280	7.2	60	130	120	9.4	3.4	4200	9400	73
JAN 17...	1000	244	7.1	100	100	30	14.2	5.7	1500	3000	54
FEB 06...	1030	152	7.0	75	80	34	12.8	3.8	K1500	1200	41
MAR 08...	0815	190	7.1	120	70	490	10.2	3.4	540	13000	64
APR 02...	1500	178	7.4	200	250	350	9.4	4.4	4800	K5600	63
MAY 14...	1330	208	7.0	160	75	190	5.9	--	440	200	59
JUN 04...	1300	367	7.5	40	250	450	6.2	.9	K740	1000	94
JUL 09...	1600	1000	7.8	10	75	70	7.4	--	K26000	K32000	240
AUG 06...	1245	302	7.2	50	200	220	6.0	--	330	--	93
SEP 04...	1330	790	7.4	20	15	24	7.5	2.7	K200	2000	220

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

RED RIVER BASIN

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07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT										
20...	130	84	28	170	53	4.1	--	5.2	243	0
NOV										
13...	80	63	20	150	56	4.1	--	6.5	210	0
DEC										
05...	11	22	4.5	26	42	1.3	--	3.4	76	0
JAN										
17...	20	16	3.4	26	50	1.5	--	2.6	42	0
FEB										
06...	9	12	2.7	13	39	.9	--	2.1	39	0
MAR										
06...	17	20	3.4	13	30	.7	--	1.6	57	0
APR										
02...	16	20	3.2	11	27	.6	--	2.0	58	0
MAY										
14...	15	16	3.4	16	36	.9	--	2.9	53	0
JUN										
04...	28	29	5.3	31	41	1.4	34	2.5	81	0
JUL										
09...	140	69	16	120	52	3.4	120	4.1	120	0
AUG										
06...	21	27	6.2	24	35	1.1	--	2.5	88	0
SEP										
04...	35	60	16	70	41	2.1	74	4.0	220	0
DATE	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT										
20...	199	6.2	140	230	.3	5.2	788	783	1.07	.00
NOV										
13...	172	8.4	130	210	.3	5.3	713	694	.97	.11
DEC										
05...	62	7.7	20	30	.1	6.7	165	150	.22	.63
JAN										
17...	34	5.3	22	36	.1	7.1	142	134	.19	.26
FEB										
06...	32	6.2	16	16	.1	6.8	106	88	.14	.34
MAR										
08...	47	7.2	16	16	.1	6.0	121	106	.16	.38
APR										
02...	48	3.7	17	14	.1	5.6	104	102	.14	.40
MAY										
14...	43	8.5	20	23	.1	5.5	131	115	.18	.21
JUN										
04...	66	4.1	37	42	.3	5.8	212	193	.29	.30
JUL										
09...	98	3.0	140	170	.2	1.0	584	580	.79	.02
AUG										
06...	72	8.9	26	32	.2	5.8	168	138	.23	.27
SEP										
04...	180	14	60	100	.2	5.0	439	430	.60	.02

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT										
20...	--	.08	--	.92	1.0	.07	.93	1.0	--	4.4
NOV										
13...	--	.18	--	1.2	1.4	.30	1.1	1.5	--	6.7
DEC										
05...	--	.13	--	.73	.86	.17	.69	1.5	--	6.6
JAN										
17...	--	.17	--	.70	.93	.01	.92	1.2	--	5.3
FEB										
06...	--	.23	--	.60	.83	.17	.66	1.2	--	5.2
MAR										
08...	--	.13	--	--	--	--	.78	--	--	--
APR										
02...	--	.08	.10	1.4	1.5	1.1	.45	1.9	--	8.4
MAY										
14...	--	.10	.12	1.0	1.1	.30	.80	1.3	--	5.8
JUN										
04...	--	.06	.07	1.1	1.2	.61	.59	1.5	--	6.6
JUL										
09...	--	.03	.06	.60	.63	.12	.51	.65	--	2.9
AUG										
06...	--	.05	.06	1.2	1.2	.58	.62	1.5	--	6.5
SEP										
04...	.05	.39	.47	4.6	5.0	3.8	1.2	5.0	1.3	22

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT							
20...	.17	--	--	.12	9.2	--	--
NOV							
13...	.19	--	--	.08	16	--	--
DEC							
05...	.26	--	--	.26	11	--	--
JAN							
17...	.18	--	--	.07	--	11	18
FEB							
06...	.37	--	--	.23	12	--	--
MAR							
08...	.38	--	--	.02	15	--	--
APR							
02...	.40	1.2	1.2	.04	--	--	5.1
MAY							
14...	.21	.64	.64	.04	14	--	--
JUN							
04...	.31	.95	.95	.03	17	--	--
JUL							
09...	.18	.55	.55	.02	--	--	--
AUG							
06...	--	--	--	.23	15	--	--
SEP							
04...	.07	--	.21	.01	14	--	--

RED RIVER BASIN

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07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVE (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CAIUMIUM, TOTAL RECOV- ERABLE (UG/L AS CD)	CAIUMIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM, DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
OCT 20...	2	1	1	200	0	200	1	0	1	0	0	0
JAN 17...	2	1	1	100	0	100	1	0	1	0	0	0
APR 02...	8	7	1	200	200	0	6	6	0	20	20	0
JUL 09...	2	1	1	200	0	200	1	0	1	10	0	10

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 20...	1	0	1	3	0	3	680	680	0	5	5	0
JAN 17...	2	0	2	16	7	9	5200	5100	120	18	15	3
APR 02...	8	8	0	31	26	5	14000	14000	100	26	26	0
JUL 09...	3	0	3	20	18	2	3900	3900	10	11	11	0

DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT 20...	260	250	10	.0	.0	.0	0	0	0	0	0	0
JAN 17...	140	130	10	.0	.0	.0	0	0	0	0	0	0
APR 02...	480	480	0	.4	.3	.1	1	1	0	0	0	0
JUL 09...	200	200	3	.1	.0	.1	0	0	0	0	0	0

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	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 SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	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 CS-137)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)
OCT 20...	10	0	10	--	--	--	--	--	--	--	--	--
JAN 17...	30	10	20	1.4	23	--	2.2	8.7	2.3	9.8	--	.06
APR 02...	60	50	10	--	--	--	--	--	--	--	--	--
JUL 09...	40	40	3	10	--	6.8	6.3	--	6.7	--	--	.10

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
JAN 17...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 06...	--	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	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)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)
JAN 17...	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
FEB 06...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 13...	360000	210	95
DEC 05...	--	181	92
JAN 17...	--	105	90
FEB 06...	--	94	97
MAR 08...	1200	1267	82
APR 02...	--	486	78
MAY 14...	--	498	79
JUN 04...	--	808	93
JUL 09...	--	259	94
AUG 06...	--	506	92
SEP 04...	--	221	92

ND Material specifically analyzed for but not detected.

RED RIVER BASIN

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07355500 RED RIVER AT ALEXANDRIA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1620	1330	314	404	169	195	192	271	348	864	851	741
2	1620	1400	356	363	159	195	190	254	372	836	748	772
3	1660	1390	370	327	147	236	186	256	390	923	774	818
4	1630	1380	303	282	145	175	188	308	385	989	566	783
5	1600	1410	264	240	144	178	187	325	346	1050	394	755
6	1520	1400	250	264	156	178	183	367	373	1020	307	786
7	1500	1340	289	340	161	176	205	332	385	1020	292	648
8	1500	1370	250	286	168	199	192	298	396	1020	303	710
9	1410	1370	319	210	156	181	179	315	335	986	324	738
10	1380	1310	410	202	148	188	167	267	342	936	319	798
11	1430	1280	416	301	143	174	161	224	345	914	324	963
12	1450	1300	512	207	138	178	160	200	309	991	323	1040
13	1450	1280	491	201	138	175	158	204	318	1040	322	1020
14	1410	1230	453	284	153	175	163	216	336	1070	325	988
15	1370	1260	364	276	202	162	157	217	332	992	344	985
16	1410	1290	369	260	208	156	157	227	400	1010	381	973
17	1380	1300	389	259	227	163	162	225	398	919	404	947
18	1320	1300	325	256	235	169	166	223	404	849	402	888
19	1360	1290	276	263	213	185	172	224	418	781	401	895
20	1370	1400	301	219	199	192	190	206	430	824	411	819
21	1380	1330	327	193	216	200	175	192	604	819	411	530
22	1400	1020	381	201	228	204	161	219	752	847	406	398
23	1450	528	514	212	267	212	154	319	782	814	449	494
24	1410	327	628	207	214	215	155	360	800	733	494	555
25	1400	310	622	204	162	237	152	334	831	732	577	643
26	1390	323	581	206	153	244	151	337	909	716	627	801
27	1340	306	545	260	158	244	143	323	938	695	683	716
28	1340	278	538	210	185	346	145	449	930	751	756	629
29	1410	294	634	202	---	314	176	350	923	760	779	567
30	1340	305	627	176	---	226	252	323	883	796	767	595
31	1290	---	541	164	---	200	---	330	---	831	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	20.0	12.0	11.0	5.0	10.5	17.0	20.0	22.5	28.0	29.0	28.5
2	23.0	19.5	13.0	7.0	5.0	11.0	18.0	20.0	23.0	28.5	30.0	28.5
3	24.0	19.0	15.0	5.5	6.0	14.0	17.0	21.0	23.5	29.0	29.0	28.0
4	24.0	19.5	13.5	5.5	5.5	11.0	17.0	21.0	23.0	29.0	29.0	28.0
5	24.0	19.0	11.0	6.0	6.0	11.5	16.0	20.0	21.5	30.0	30.0	28.0
6	21.0	19.0	12.0	5.5	6.0	11.5	16.5	20.0	24.5	30.0	30.0	28.0
7	21.0	28.5	12.5	5.0	5.5	11.5	16.5	20.0	24.5	30.0	30.0	29.0
8	20.0	16.5	13.5	4.5	5.0	11.5	17.0	21.0	24.5	29.0	30.0	28.5
9	20.0	14.0	11.0	4.0	5.0	12.0	17.0	21.0	25.0	28.5	30.0	27.0
10	19.5	15.5	10.0	4.0	5.0	13.0	17.0	22.0	25.0	28.0	30.0	27.0
11	19.0	17.5	8.0	4.0	5.0	13.0	19.0	21.0	25.0	28.0	29.5	26.5
12	21.0	17.0	8.5	4.5	6.0	12.5	19.0	22.0	24.0	28.0	29.0	26.0
13	21.0	18.0	8.0	5.0	7.0	13.0	19.0	22.0	24.5	28.5	28.0	26.5
14	13.0	17.5	7.5	3.5	8.0	14.0	18.5	21.0	25.0	28.0	29.0	26.0
15	19.0	18.5	7.5	3.0	9.0	14.0	19.0	22.0	25.0	28.0	29.0	24.0
16	18.5	19.0	8.0	4.0	10.0	14.0	19.0	22.0	25.5	28.0	28.5	23.0
17	18.0	18.0	7.5	4.5	9.0	13.0	19.5	23.0	25.5	28.0	29.0	24.0
18	17.5	17.5	8.0	6.0	8.0	13.0	20.0	23.0	26.0	29.0	29.0	24.0
19	17.0	16.0	11.0	7.0	7.0	15.0	20.0	24.0	26.0	29.0	29.5	24.0
20	18.0	15.5	12.0	9.5	7.5	15.5	20.0	24.0	26.5	29.0	29.5	23.0
21	19.0	15.0	10.5	9.5	8.5	16.0	20.0	24.0	27.0	29.0	29.5	22.0
22	19.0	14.0	10.5	4.0	9.0	17.0	20.0	24.0	24.0	28.0	30.0	22.0
23	20.0	14.0	10.0	8.5	11.0	16.0	20.0	24.0	27.0	29.0	29.0	22.0
24	20.0	15.0	10.0	4.0	12.0	15.0	20.0	24.0	27.0	28.0	28.5	22.0
25	20.0	15.0	10.0	6.5	10.5	15.0	20.0	23.0	27.0	28.0	28.0	22.0
26	21.5	15.0	9.5	6.5	11.0	14.5	20.5	23.0	27.0	27.5	27.5	22.0
27	20.0	14.0	9.5	6.0	10.0	14.5	20.0	23.0	27.0	27.0	28.0	23.0
28	20.0	14.0	9.0	6.0	11.0	15.0	19.0	23.0	27.0	27.0	28.0	23.0
29	19.0	13.0	9.5	5.5	---	14.5	20.0	22.0	27.5	28.0	28.5	23.0
30	18.0	13.0	10.0	6.0	---	16.5	19.0	22.0	28.0	28.0	29.0	24.0
31	19.0	---	12.0	5.0	---	17.0	---	21.5	---	28.0	29.0	---

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	220	40	46	28	44	30	38	48	150	130	98
2	240	260	48	32	20	24	56	38	38	160	94	100
3	240	220	54	44	20	38	20	42	38	200	140	110
4	260	220	44	36	18	18	40	58	58	200	60	100
5	240	240	36	36	26	18	26	68	44	200	60	96
6	300	240	24	42	20	20	18	64	50	180	60	100
7	280	200	34	54	26	16	22	58	---	180	34	98
8	220	240	22	58	24	18	22	48	54	200	38	110
9	220	200	32	30	28	18	14	50	48	160	46	120
10	260	240	55	30	24	16	14	42	48	180	48	140
11	200	200	56	36	24	16	14	32	46	180	48	140
12	420	220	72	32	24	20	14	28	42	160	50	160
13	260	220	74	26	28	20	12	32	38	200	46	160
14	240	220	72	36	36	18	12	48	48	200	46	---
15	220	220	56	24	34	16	14	32	40	180	50	160
16	240	220	56	38	24	22	24	30	54	160	64	---
17	260	220	60	42	26	16	24	30	66	160	62	160
18	220	220	44	40	26	16	20	30	62	140	56	140
19	220	220	44	38	24	16	22	28	62	160	58	140
20	240	240	42	52	30	24	28	20	64	140	54	140
21	240	260	50	24	30	26	16	22	110	160	58	40
22	240	180	84	24	34	22	20	24	140	140	52	46
23	280	60	80	28	28	42	12	50	150	140	48	60
24	---	40	110	26	26	24	24	50	140	120	62	74
25	200	60	110	40	16	34	12	52	160	140	76	72
26	240	60	84	44	24	30	18	44	170	100	94	110
27	240	40	80	30	28	30	16	50	180	120	92	110
28	220	40	80	38	26	100	18	70	180	120	110	92
29	220	40	96	26	---	40	16	40	170	120	110	90
30	240	40	100	32	---	32	20	36	160	120	110	82
31	200	---	86	22	---	24	---	40	---	140	100	---

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	2000	10000	2000	70000	25000	213000	16000	17000	14000	2000	3000
2	1000	3000	22000	2000	74000	22000	184000	13000	18000	14000	2000	2000
3	2000	4200	19000	2000	68000	22000	158000	17000	21000	12000	2000	2000
4	2000	4000	14000	2000	62000	22000	129000	10000	22000	11000	2000	3000
5	2000	4000	13000	2000	51000	22000	99000	11000	19000	11000	2000	3000
6	2400	4000	12000	2000	45000	22000	70000	11000	14000	10000	2000	3000
7	2000	5000	10000	2000	43000	22000	50000	12000	15000	7000	2000	3000
8	2000	7000	12000	2000	37000	22000	38000	24000	24000	5000	2000	2000
9	2000	9000	10000	2000	31000	20000	30000	79000	24000	4000	2000	2000
10	2000	9000	5000	3000	26000	20000	21000	124000	23000	3000	2000	2000
11	2000	8000	7000	3000	24000	21000	16000	154000	20000	3000	2000	2000
12	2000	7000	6000	3100	21000	23000	14000	163000	16000	3000	2000	2000
13	2000	7000	6000	3000	29000	32000	11000	171000	19000	2000	2000	2000
14	2000	7000	13000	3000	42000	52000	12000	180000	38000	2000	3000	2200
15	2000	7000	23000	3000	44000	59000	12000	174000	86000	2000	2000	2000
16	2000	6000	22000	4000	42000	73000	11000	143000	108000	2000	2000	2000
17	1000	5000	18000	5000	36000	81000	12000	114000	106000	2000	1800	2000
18	2000	4000	14000	10000	31000	78000	17000	93000	103000	2000	2000	2000
19	2000	4000	13000	10000	30000	75000	22000	74000	95000	2000	1000	2000
20	1000	4000	10000	12000	32000	68000	27000	57000	82000	1400	1000	2000
21	2000	5000	8000	16000	35000	61000	32000	42000	60000	2000	1000	2000
22	2000	6000	6000	20000	44000	54000	31000	32000	46000	2000	2000	2000
23	2000	6000	5000	23000	46000	47000	27000	21000	34000	2000	2000	2000
24	2000	5000	5000	31000	45000	44000	23000	16000	30000	3000	2000	2000
25	2000	5000	4000	55000	39000	46000	19000	12000	26000	2000	2000	2000
26	2000	4000	3000	64000	34000	47000	17000	15000	22000	2000	2000	2000
27	2000	3000	3000	63000	30000	48000	16000	15000	24000	3000	2000	2000
28	2000	4000	2000	67000	29000	54000	15000	13000	21000	2000	2000	2000
29	2000	6000	2600	67000	---	107000	12000	14000	20000	2000	3000	2000
30	2000	11000	3000	67000	---	187000	14000	19000	17000	2000	3000	2000
31	2000	---	3000	71000	---	228000	---	19000	---	3000	2500	---

RED RIVER BASIN

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07355500 RED RIVER AT ALEXANDRIA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MARCH 1979

DATE	NOV 13, 78	MAR 8, 79
TIME	1730	0815
TOTAL CELLS/ML	360000	1200
DIVERSITY: DIVISION	0.3	0.5
..CLASS	0.4	0.5
...ORDER	1.3	0.7
...FAMILY	1.3	0.7
....GENUS	1.7	0.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....MICRACTINIACEAE				
.....GOLENKINIA	*	0	--	-
....OOCYSTACEAE				
.....ANKISTRODESMUS	3600	1	--	-
....OOCYSTIS	*	0	--	-
....TETRAEDRON	*	0	--	-
...SCENEDESMACEAE				
....SCENEDESMUS	2500	1	--	-
....TETRASTRUM	*	0	--	-
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...CHAETOCERACEAE				
....CHAETOCEROS	*	0	--	-
...COSCINODISCACEAE				
....COSCINODISCUS	*	0	42	3
....CYCLOTELLA	2700	1	28	2
....MELOSIRA	2500	1	28	2
..PENNALES				
...FRAGILARIACEAE				
....ASTERIONELLA	--	-	14	1
....SYNEDRA	--	-	14	1
...NAVICULACEAE				
....NAVICULA	--	-	14	1
...NITZSCHACEAE				
....NITZSCHIA	*	0	14	1
..XANTHOPHYCEAE				
...HETEROCOCCALES				
...CHLOROTHECIACEAE				
....OPHIOCYTIUM	3000	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
.....AGMENELLUM	18000	5	--	-
....ANACYSTIS	200000#	55	--	-
...HORMOGONALES				
...OSCILLATORIACEAE				
....LYNGBYA	5100	1	--	-
....OSCILLATORIA	120000#	34	1100#	88

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
06...	1215	164	2400	85
20...	1155	149	1800	89
NOV				
03...	1225	234	4200	83
17...	1215	231	5000	71
18...	0900	218	--	73
DEC				
01...	1240	638	19000	70
15...	1230	666	23000	84
16...	1400	625	--	81
29...	1245	150	2600	98
JAN				
12...	1215	191	3100	68
FEB				
02...	1210	863	74000	45
15...	1245	855	44000	54
16...	1600	938	--	49
MAR				
02...	1250	447	22000	65
16...	1245	881	78000	77
16...	1345	862	--	72
30...	1245	1651	187000	74
APR				
13...	1230	262	11000	97
27...	1245	529	16000	57
MAY				
11...	1115	1260	--	86
11...	1315	1218	154000	89
25...	1315	376	12000	59
JUN				
09...	1245	646	24000	63
23...	1245	636	34000	93
JUL				
05...	1240	275	10000	77
20...	1100	140	1400	95
AUG				
17...	1030	167	1800	98
31...	1100	191	2500	95
SEP				
14...	1050	153	2200	94

RED RIVER BASIN

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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 (2.3 km) west of Moncla, at mile 74.0 (119.1 km).

DRAINAGE AREA.--67,625 mi² (175,149 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOLOGICAL (5 DAY) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 20...	1100	1340	7.6	15	35	<1.0	9.5	72	7.8	K31000	110
NOV 13...	1115	1190	7.3	50	45	<1.0	8.8	55	6.8	K17000	760
DEC 07...	1345	279	7.3	120	140	<1.0	10.4	49	3.7	44000	--
JAN 16...	1700	265	6.8	100	120	<1.0	13.4	45	--	4000	900
FEB 05...	1515	142	7.2	100	95	<1.0	11.3	38	2.4	4000	880
MAR 08...	1045	190	7.3	160	65	<1.0	9.7	55	3.6	4600	600
APR 02...	1230	188	7.7	160	240	<1.0	10.4	37	6.1	4200	900
MAY 14...	1130	211	7.5	200	80	<1.0	7.1	36	--	1500	190
JUN 04...	1100	377	7.5	30	300	<1.0	6.5	37	2.9	2650	K920
JUL 09...	1300	1050	7.6	20	90	<1.0	7.3	27	--	2800	140
AUG 06...	1100	355	6.8	40	200	<1.0	6.8	34	--	K300	K160
SEP 04...	1100	807	7.6	20	15	<1.0	7.7	35	1.8	--	K20

DATE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	BITARTRATE (MG/L AS HC03)	CARBONATE (MG/L AS CO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSPENDED, TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITROGEN, NITRATE, TOTAL (MG/L AS N)	NITROGEN, NITRITE, TOTAL (MG/L AS N)
OCT 20...	320	120	82	28	250	0	130	220	23	.00	.01
NOV 13...	260	87	70	21	212	0	130	200	75	.10	.04
DEC 07...	71	7	21	4.4	77	0	20	30	112	.75	.05
JAN 16...	55	15	16	3.6	48	0	22	36	197	.18	.08
FEB 05...	34	2	10	2.3	40	0	11	14	304	.13	.08
MAR 08...	59	11	18	3.5	59	0	21	18	924	.28	.12
APR 02...	61	6	19	3.3	67	0	19	14	652	.31	.10
MAY 14...	63	16	19	3.8	57	0	17	22	--	.17	.04
JUN 04...	98	32	30	5.6	81	0	40	43	534	.34	.20
JUL 09...	220	130	59	18	115	0	170	180	184	.00	.02
AUG 06...	102	43	28	7.8	72	0	35	45	378	.12	.08
SEP 04...	220	44	62	17	220	0	73	110	--	.01	.00

< 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

07355600 RED RIVER AT MONCLA, LA (CE 04675)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT 20...	.01	.65	.17	2	1	1	0	0	0	1	0	1
NOV 13...	.14	1.5	.21	3	1	2	0	0	0	2	1	1
DEC 07...	.40	1.3	.24	3	2	1	10	0	10	1	0	1
JAN 16...	.26	.97	.18	3	2	1	0	0	0	1	0	1
FEB 05...	.21	.65	.08	3	2	1	0	0	0	1	0	1
MAR 08...	.40	.67	.17	5	4	1	0	0	0	0	0	0
APR 02...	.41	.51	.32	4	3	1	0	0	0	1	1	0
MAY 14...	.21	.66	.20	--	--	--	--	--	--	--	--	--
JUN 04...	.54	.66	.64	3	2	1	0	0	0	1	0	1
JUL 09...	.02	.18	.19	2	1	1	1	0	1	1	0	1
AUG 06...	.20	.57	.27	3	2	1	10	9	1	1	0	1
SEP 04...	.01	.63	.11	2	0	2	0	0	0	1	0	1

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, REAA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 20...	0	0	4	0	4	10	1	1	0	.0	.0	.0
NOV 13...	10	0	12	4	8	50	26	22	4	.0	.0	.0
DEC 07...	10	3	10	0	10	160	36	28	8	.0	.0	.0
JAN 16...	0	0	14	0	14	100	7	4	3	.0	.0	.0
FEB 05...	0	0	11	3	8	160	15	12	3	.0	.0	.0
MAR 08...	20	0	22	18	4	130	21	20	1	.1	.1	.0
APR 02...	10	0	21	14	7	110	24	24	0	.1	.0	.1
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 04...	20	0	15	9	6	50	17	17	0	.3	.2	.1
JUL 09...	10	0	9	6	3	10	15	15	0	.2	.1	.1
AUG 06...	20	0	12	9	3	10	15	15	0	.1	.0	.7
SEP 04...	0	--	5	0	5	0	8	8	0	.3	.0	.3

RED RIVER BASIN

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07355600 RED RIVER AT MONCLA, LA (CE 04675)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISE- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DISE- SOLVED (UG/L AS SE)	VANA- DIUM, DISE- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISE- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 20...	3	1	2	0	0	0	--	20	0	20	10	.00
NOV 13...	4	1	3	1	0	1	--	30	0	30	17	.00
DEC 07...	12	8	4	0	0	0	.0	20	0	20	12	.00
JAN 16...	6	1	7	0	0	0	.7	30	10	20	11	.00
FEB 05...	9	5	3	0	0	0	.4	40	20	20	17	.00
MAR 08...	26	26	0	0	0	0	.2	60	50	10	16	.00
APR 02...	21	21	0	1	1	0	1.4	50	30	20	19	.00
MAY 14...	--	--	--	--	--	--	--	--	--	--	12	.00
JUN 04...	16	15	2	0	0	0	.2	60	30	30	14	.00
JUL 09...	11	11	0	0	0	0	--	30	30	4	--	.00
AUG 05...	12	9	3	0	0	0	1.0	30	30	3	12	.00
SEP 04...	4	4	0	0	0	0	2.0	10	4	6	11	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALUMIN, TOTAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, IN BOT- TOM MA- TERIAL (UG/KG)	DDO, TOTAL (UG/L)	DDO, IN BOT- TOM MA- TERIAL (UG/KG)	ODE, TOTAL (UG/L)
OCT 20...	0	0	.0	0	.00	.000	.0	.0	0	.000	.0	.001
NOV 13...	0	0	.0	--	.00	.000	--	.0	--	.000	--	.002
DEC 07...	2	0	.0	--	.00	.000	--	.0	--	.000	--	.004
JAN 16...	1	1	.0	0	--	.000	.0	.0	3	.000	.6	.000
FEB 05...	0	0	.0	--	.00	.00	--	.0	--	.00	--	.00
MAR 08...	1	0	.0	--	--	.000	--	.0	--	.002	--	.006
APR 02...	2	0	.0	92	.00	.000	.0	.0	30	.000	.6	.000
MAY 14...	4	--	--	--	--	--	--	--	--	--	--	--
JUN 04...	0	0	.0	--	.00	.000	--	.0	--	.000	--	.000
JUL 09...	1	1	.0	0	.00	.000	.0	.0	0	.000	.0	.000
AUG 05...	1	0	.0	--	.00	.000	--	.0	--	.000	--	.000
SEP 04...	3	0	.0	--	.00	.000	--	.0	--	.000	--	.000

RED RIVER BASIN

07355600 RED RIVER AT MONCLA, LA (CE 04675)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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)	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)
OCT 20...	.0	.000	.0	.00	.0	.001	.0	.000	.000	.0	.00	.0
NOV 13...	--	.000	--	.01	--	.000	--	.002	.000	--	.00	--
DEC 07...	--	.004	--	.01	--	.000	--	.000	.001	--	.00	--
JAN 16...	1.8	.000	6.6	.00	.0	.000	.9	.000	.000	.0	.00	.0
FEB 05...	--	.00	--	--	--	.00	--	.00	.00	--	--	--
MAR 08...	--	.003	--	.00	--	.000	--	.000	.000	--	.00	--
APR 02...	.4	.000	1.3	.03	.0	.000	.0	.000	.000	.0	.00	.0
JUN 04...	--	.000	--	.01	--	.000	--	.000	.000	--	.00	--
JUL 09...	.0	.000	.0	.00	.0	.002	.0	.000	.000	.0	.00	.0
AUG 06...	--	.000	--	.01	--	.000	--	.000	.000	--	.00	--
SEP 04...	--	.001	--	.03	--	.000	--	.000	.000	--	.00	--

DATE	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 BOT. MA- TERIAL (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)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)
OCT 20...	.000	.0	.000	.0	.001	.0	.00	.0	.00	.00	.0	.00
NOV 13...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
DEC 07...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
JAN 16...	.000	.0	.000	1.3	.000	.0	.00	.0	.00	.00	.0	.00
FEB 05...	.00	--	.00	--	.00	--	--	--	--	--	--	--
MAR 08...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
APR 02...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
JUN 04...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
JUL 09...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
AUG 06...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00
SEP 04...	.000	--	.000	--	.000	--	.00	--	.00	.00	--	.00

RED RIVER BASIN

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07355600 RED RIVER AT MONCLA, LA (CE 04675)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	IN BUI- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	IN BUI- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL (UG/KG)	IN BUI- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	.0	.00	.00	.0	.00	.0	0	.00	.0	.02	.02	.00		
NOV 13...	--	.00	.00	--	.00	.0	--	.00	--	.00	.00	.00		
DEC 07...	--	.00	.00	--	.00	.0	--	.00	--	.04	.07	.01		
JAN 16...	.0	.00	.00	.0	.00	.0	0	.00	.0	.03	.00	.00		
FEB 05...	--	.00	--	--	.00	.0	--	--	--	.01	.01	.00		
MAR 08...	--	.00	.00	--	.00	.0	--	.00	--	.02	.00	.00		
APR 02...	.0	.00	.00	.0	.00	.0	0	.00	.0	.00	.00	.00		
JUN 04...	--	.00	.00	--	.00	.0	--	.00	--	.05	.01	.00		
JUL 09...	.0	.00	.00	.0	.00	.0	0	.00	.0	.03	.00	.00		
AUG 06...	--	.00	.00	--	.00	.0	--	.00	--	.03	.03	.00		
SEP 04...	--	.00	.00	--	.00	.0	--	.00	--	.03	.02	.00		

07355650 LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°56'10", in SW¼ sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi (4.8 km) west of Argo, 4.2 mi (6.8 km) upstream from mouth of Larto Bayou, and 7.7 mi (12.4 km) northwest of Acme.

DRAINAGE AREA.--291 mi² (754 km²).

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 (10.058 m) higher.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam consists of a 57-ft (17.4 m) concrete spillway and a 10-ft (3.0 m) wide timber gate. The crest of the dam is at an elevation of 45.45 ft (13.853 m), and the invert of the spillway is at 36.95 ft (11.262 m). The capacity at elevation of 36.95 ft (11.262 m) is estimated to be 15,000 acre-ft (18.5 hm³). Outflow between elevation of 30.95 ft (9.434 m) and 36.95 ft (11.262 m) is regulated by the timber gate. Lake is used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 59.26 ft (18.062 m) present datum, from floodmark, occurred during period May 14-18, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation December to September, 52.10 ft (15.880 m) Apr. 30; minimum, 35.48 ft (10.814 m) Dec. 3.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	37.35	44.48	40.95	46.11	52.06	47.53	38.72	---	36.71
2			35.70	38.16	44.59	41.39	46.26	51.99	47.31	38.52	---	36.72
3			35.70	38.43	44.68	42.19	46.56	51.90	47.15	38.36	---	36.69
4			36.08	38.43	44.70	42.96	47.15	51.85	46.96	38.23	---	36.70
5			35.97	38.37	44.69	43.74	47.65	51.77	46.79	38.09	---	36.68
6			36.02	38.39	44.71	44.39	48.11	51.71	46.61	37.98	---	36.71
7			36.01	38.65	44.81	44.89	48.53	51.73	46.41	37.92	---	36.68
8			36.10	38.83	44.82	45.19	48.90	51.77	46.25	37.92	---	36.68
9			36.40	38.80	44.87	45.36	49.27	51.81	46.10	37.87	---	36.64
10			36.39	38.69	44.70	45.53	49.52	51.82	45.92	37.81	---	36.63
11			36.42	38.52	44.52	45.70	49.65	51.80	45.80	37.77	---	36.61
12			36.44	38.37	44.33	45.73	49.78	51.85	45.60	37.71	---	36.60
13			36.45	38.21	44.07	45.72	49.99	51.75	45.36	37.66	---	36.63
14			36.45	38.14	43.74	45.71	50.13	51.60	45.02	37.64	37.08	36.57
15			36.43	37.95	43.35	45.65	50.26	51.44	44.63	37.65	37.10	36.54
16			36.45	37.87	42.94	45.57	50.35	51.24	44.27	37.63	37.12	36.51
17			36.46	37.81	42.38	45.51	50.38	51.01	43.96	37.41	37.08	36.48
18			36.44	37.76	42.02	45.44	50.41	50.75	43.67	37.44	---	36.59
19			36.44	37.66	41.54	45.36	50.39	50.46	43.36	37.38	---	36.67
20			36.40	38.87	41.08	45.40	50.38	50.17	43.06	---	---	36.74
21			36.53	39.91	40.61	45.38	50.41	49.90	42.78	---	---	38.39
22			36.46	40.54	40.15	45.31	50.57	49.62	42.43	---	---	38.90
23			36.44	40.99	39.92	45.30	50.83	49.37	42.00	---	---	38.87
24			36.49	41.55	40.38	45.28	51.07	49.09	41.58	---	36.85	38.70
25			36.43	41.96	40.83	45.28	51.30	48.75	41.08	---	36.83	38.50
26			36.42	42.34	40.85	45.33	51.52	48.33	40.53	---	36.83	38.32
27			36.43	42.78	40.73	45.45	51.75	47.98	40.01	---	36.80	38.16
28			36.40	43.17	40.69	45.66	51.93	47.91	39.56	---	36.80	38.02
29			36.39	43.55	---	45.79	52.03	47.89	39.22	---	36.78	37.92
30			36.50	43.88	---	45.82	52.08	47.90	38.95	---	36.76	37.81
31			36.71	44.29	---	45.99	---	47.80	---	---	36.74	---
MEAN			---	39.68	42.90	44.93	49.78	50.48	44.00	---	---	37.21
MAX			36.71	44.29	44.87	45.99	52.08	52.06	47.53	38.72	---	38.90
MIN			---	37.35	39.92	40.95	46.11	47.80	38.95	---	---	36.48

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE¼ sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft (152 m) below lock and dam No. 6, 1.6 mi (2.6 km) north of Arkansas-Louisiana State line, 3.5 mi (5.6 km) downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi (7.2 km) southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi² (27,938 km²).

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft or 5.79 m 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 (13.439 m) 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 Alabama Landing, near Haile (station 07364103), used as auxiliary gage for this station.

REMARKS.--Records fair. Discharge computed for stages below bankfull, about 19 ft (5.79 m). Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km³), and a series of navigation locks and dams. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report. Records of chemical analyses for Lock and Dam No. 6 for the water year 1979 are published in the Arkansas report (station 07364080).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft (13.119 m) May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft³/s (5.38 m³/s) Sept. 13, 1971; minimum gage height, 6.58 ft (2.006 m) Sept. 14, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1912, 44.2 ft (13.47 m) Apr. 11, 12, 1945; minimum, -0.3 ft (-0.09 m) Nov. 11, 1916; minimum since 1928, 5.8 ft (1.76 m) Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.67 ft (11.482 m) May 16; minimum daily discharge, 1,030 ft³/s (29.2 m³/s) Oct. 13; minimum gage height, 7.83 ft (2.387 m) Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1810	1260	13000							---	10300	3040
2	1520	1320	13100							---	10400	4100
3	1530	1280	13500							---	10400	4110
4	1550	1260	13400							---	10300	3740
5	1550	1370	11800							---	10300	3060
6	1470	1390	13700							---	10700	1920
7	1410	1410	14900							---	11800	2090
8	1360	1330	15200							---	11900	2220
9	1310	1320	15500							---	10900	3010
10	1360	1410	16000							---	8850	4040
11	1150	1350	---							---	7170	4310
12	1100	1300	---							---	6700	4340
13	1030	1310	---							---	6200	4000
14	1040	1300	---							---	4310	3690
15	1060	1280	---							---	2930	3550
16	1060	1850	---							---	2080	3420
17	1110	3120	---							---	1580	2550
18	1120	5440	---							---	1790	1650
19	1130	10200	---							---	1770	1440
20	1110	12600	---							---	1840	1520
21	1140	14500	---							8740	1840	2070
22	1250	14700	---							6000	1990	2650
23	1210	15100	---							4500	2120	4340
24	1130	15200	---							3000	3080	6720
25	1170	15100	---							2770	3500	6530
26	1200	14400	---							3850	3150	5180
27	1150	12500	---							4260	2530	3300
28	1170	10300	---							4890	1650	4440
29	1150	11000	---							5440	1380	4410
30	1190	12500	---							8150	1260	4200
31	1220	---	---							10100	1850	---
TOTAL	38760	188400	---							---	166570	105640
MEAN	1250	6280	---							---	5373	3521
MAX	1810	15200	---							---	11900	6720
MIN	1030	1260	11800							2770	1260	1440

RED RIVER BASIN

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.37	8.08	16.49	19.85	30.26	28.47	29.18	36.66	35.50	29.71	15.00	9.40
2	8.19	8.10	16.59	20.05	30.34	28.54	29.13	36.70	35.45	29.25	15.30	10.28
3	8.23	8.08	16.83	20.32	30.40	28.97	29.11	36.72	35.40	29.64	15.45	10.30
4	8.21	8.08	16.93	20.62	30.40	29.37	29.16	36.93	35.50	28.15	15.40	10.00
5	8.22	8.16	16.08	20.93	30.34	29.71	29.20	36.95	35.49	27.68	15.39	9.46
6	8.18	8.22	17.07	21.20	30.28	30.03	29.31	36.55	35.66	27.22	15.50	8.56
7	8.15	8.11	17.77	21.64	30.31	30.28	29.43	36.50	35.70	26.70	16.03	8.65
8	8.14	8.08	18.08	22.03	30.31	30.49	29.61	36.67	35.71	26.20	16.10	8.74
9	8.21	8.17	18.35	22.43	30.24	30.73	30.13	36.78	35.70	25.70	15.55	9.28
10	8.15	8.21	18.66	22.85	30.18	30.93	30.68	36.90	35.60	25.20	14.38	10.18
11	8.03	8.12	19.03	23.28	30.13	31.14	31.40	37.02	35.50	24.68	13.16	10.40
12	8.03	8.06	19.39	23.68	30.06	31.36	32.23	37.18	35.45	24.17	12.66	10.42
13	7.98	8.07	19.73	24.03	29.93	31.55	32.85	37.35	35.35	23.60	12.20	10.18
14	7.93	8.14	20.09	24.25	29.85	31.71	33.36	37.52	35.20	23.05	10.80	9.90
15	7.99	8.13	20.40	24.46	29.77	31.83	33.76	37.61	34.95	22.50	9.58	9.76
16	7.93	8.37	20.75	24.64	29.59	31.93	34.10	37.65	34.85	21.88	8.86	9.65
17	7.97	9.38	20.96	24.74	29.41	32.02	34.36	37.65	34.65	21.28	8.45	9.02
18	8.01	11.14	21.16	24.75	29.28	32.07	34.54	37.61	34.42	20.65	8.55	8.35
19	8.03	14.41	21.40	24.83	29.10	32.04	34.66	37.53	34.15	19.89	8.60	8.17
20	8.04	16.00	21.60	25.36	28.91	31.92	34.74	37.44	33.86	19.23	8.65	8.54
21	8.07	17.20	21.73	25.94	28.74	31.73	34.78	37.30	33.54	18.00	8.65	8.96
22	8.12	17.47	21.82	26.50	28.55	31.56	35.05	37.15	33.18	15.60	8.73	9.15
23	8.11	17.72	21.86	27.05	28.37	31.36	35.48	36.95	32.85	14.05	8.80	10.45
24	8.05	17.85	21.86	27.54	28.29	31.09	35.80	36.71	32.50	12.38	9.46	12.23
25	8.05	17.84	21.74	27.98	28.30	30.83	36.04	36.50	32.15	12.18	9.84	12.23
26	8.07	17.50	21.55	28.49	28.33	30.57	36.20	36.26	31.76	11.65	9.60	11.37
27	7.99	16.49	21.24	28.98	28.36	30.29	36.30	36.05	31.36	11.31	9.16	9.70
28	7.96	15.07	20.86	29.36	28.42	30.05	36.42	35.93	31.05	11.40	8.54	10.50
29	7.99	15.30	20.39	29.68	---	29.72	36.52	35.82	30.45	11.58	8.41	10.55
30	8.04	16.18	20.10	29.95	---	29.42	36.60	35.71	30.12	13.09	8.33	10.38
31	8.07	---	19.80	30.16	---	29.32	---	35.60	---	14.43	8.55	---
MEAN	8.08	11.66	19.69	24.76	29.52	30.68	33.00	36.84	34.10	20.71	11.41	9.83
MAX	8.37	17.85	21.86	30.16	30.40	32.07	36.60	37.65	35.71	29.71	16.10	12.23
MIN	7.93	8.06	16.08	19.85	28.29	28.47	29.11	35.60	30.12	11.31	8.33	8.17

RED RIVER BASIN

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07364103 OUACHITA RIVER AT ALABAMA LANDING, NEAR HAILE, LA

LOCATION.--Lat 32°52'25", long 92°05'05", in SW¼SW¼ sec.20, T.22 N., R.4 E., Union Parish, Hydrologic Unit 08040202, on right bank 300 ft (91 m) upstream from road to Alabama Landing, 1.5 mi (2.4 km) downstream from Mud Lake, 4.6 mi (7.4 km) northeast of Haile, and 16 mi (26 km) downstream from gaging station Ouachita River near Arkansas-Louisiana State line (station 07364100).

DRAINAGE AREA.--11,100 mi² (28,700 km²), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from April 1958 to September 1973 available in files of Baton Rouge district office.

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

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 26, 1958, nonrecording gage at same site and datum.

REMARKS.--Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km³) and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 37.76 ft (11.509 m) May 16, 1979; minimum, 7.44 ft (2.268 m) Oct. 5, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.76 ft (11.509 m) May 16; minimum, 8.14 ft (2.481 m) Oct. 16.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.42	8.32	12.85	18.29	30.44	28.61	29.30	36.84	35.61	29.65	12.51	8.96
2	8.34	8.32	12.96	18.29	30.52	28.65	29.25	36.76	35.56	29.18	13.01	9.38
3	8.38	8.31	13.14	18.29	30.59	29.10	29.29	36.75	35.51	28.72	13.34	9.40
4	8.35	8.32	13.43	18.39	30.58	29.50	29.33	36.94	35.51	28.22	13.27	9.26
5	8.36	8.37	13.21	18.60	30.53	29.80	29.38	36.95	35.52	27.72	13.21	9.05
6	8.35	8.43	13.39	19.07	30.49	30.18	29.48	36.56	35.58	27.22	13.11	8.60
7	8.34	8.29	13.77	19.87	30.52	30.43	29.54	36.60	35.60	26.68	13.10	8.62
8	8.35	8.29	14.07	20.64	30.49	30.65	29.64	36.80	35.61	26.15	13.14	8.65
9	8.45	8.40	14.34	21.37	30.44	30.83	29.92	36.82	35.59	25.63	13.04	8.78
10	8.36	8.41	14.60	22.16	30.36	31.08	30.24	37.02	35.55	25.15	12.60	9.24
11	8.30	8.33	14.86	22.81	30.30	31.25	31.16	37.14	35.45	24.70	11.76	9.35
12	8.32	8.28	15.10	23.32	30.23	31.45	32.00	37.30	35.36	24.10	11.25	9.36
13	8.24	8.29	15.37	23.73	30.14	31.61	32.64	37.43	35.27	23.52	10.83	9.28
14	8.23	8.37	15.63	24.04	30.05	31.80	33.18	37.59	35.18	22.90	10.15	9.12
15	8.29	8.37	15.93	24.27	29.95	31.92	33.62	37.70	35.02	22.23	9.36	9.02
16	8.22	8.40	16.30	24.45	29.82	32.00	34.01	37.75	34.85	21.56	8.90	8.98
17	8.25	8.84	16.17	24.59	29.64	32.10	34.29	37.75	34.65	20.88	8.62	8.80
18	8.29	9.44	17.15	24.63	29.49	32.13	34.48	37.70	34.42	20.12	8.65	8.47
19	8.31	10.94	17.71	24.73	29.29	32.10	34.64	37.63	34.15	19.25	8.72	8.35
20	8.33	12.06	18.29	25.43	29.08	32.03	34.79	37.53	33.86	18.44	8.75	8.75
21	8.35	12.68	18.86	26.06	28.90	31.86	34.82	37.38	33.56	17.55	8.75	9.02
22	8.37	13.07	19.37	26.63	28.69	31.81	34.94	37.27	33.25	16.58	8.78	8.92
23	8.37	13.34	19.79	27.19	28.50	31.52	35.22	37.09	32.91	15.18	8.80	9.43
24	8.33	13.52	20.12	27.72	28.48	31.28	35.46	36.87	32.56	13.80	9.02	10.25
25	8.32	13.64	20.22	28.19	28.50	31.02	35.70	36.64	32.20	12.38	9.26	10.50
26	8.33	13.67	20.19	28.72	28.50	30.75	36.08	36.40	31.80	11.54	9.20	10.30
27	8.26	13.44	19.94	29.21	28.52	30.48	36.44	36.18	31.42	10.96	9.03	9.22
28	8.22	12.64	19.60	29.58	28.57	30.18	36.54	36.04	31.00	10.66	8.70	9.39
29	8.26	12.41	19.16	29.88	---	29.78	36.70	35.92	30.60	10.43	8.65	9.53
30	8.30	12.66	18.80	30.19	---	29.50	36.80	35.83	30.20	10.37	8.60	9.45
31	8.32	---	18.40	30.34	---	29.43	---	35.80	---	11.25	8.62	---
MEAN	8.32	10.20	16.54	24.22	29.70	30.80	32.96	36.93	34.11	20.41	10.48	9.18
MAX	8.45	13.67	20.22	30.34	30.59	32.13	36.80	37.75	35.61	29.65	13.34	10.50
MIN	8.22	8.28	12.85	18.29	28.48	28.61	29.25	35.80	30.20	10.37	8.60	8.35

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE¼SW¼ sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi (1.6 km) downstream from Arkansas-Louisiana State line, and 1.6 mi (2.6 km) northwest of Jones.

DRAINAGE AREA.--1,187 mi² (3,074 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft (24.143 m) 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 Dec. 7, 1966. 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 (8 km) downstream by way of Overflow Creek. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years, 1,277 ft³/s (36.16 m³/s), 925,000 acre-ft/yr (1.14 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,680 ft³/s (189 m³/s) Mar. 11-13, 1961; maximum gage height, 28.24 ft (8.608 m) May 21, 22, 1958; minimum discharge, 32 ft³/s (0.906 m³/s) July 22, 1966, gage height, 0.35 ft (0.107 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,440 ft³/s (154 m³/s) Apr. 22; maximum gage height, 25.73 ft (7.842 m) Apr. 26; minimum daily discharge, 58 ft³/s (1.643 m³/s) Nov. 3, 4, 9-13, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	60	191	2170	4930	2930	2330	5110	3510	2290	427	230
2	111	59	229	2230	4900	2990	2360	5020	3500	2180	455	221
3	111	58	311	2280	4890	3140	2460	4910	3540	2070	470	219
4	109	58	513	2360	4880	3540	2580	5000	3560	1920	483	222
5	106	60	566	2450	4860	3610	2740	4950	3620	1750	505	223
6	99	64	570	2600	4860	3680	2940	4910	3640	1600	534	224
7	91	62	572	2770	4840	3800	3110	4880	3680	1440	565	228
8	84	60	640	2900	4770	3940	3380	4870	3740	1270	593	235
9	79	58	746	3010	4720	4020	3660	4900	3780	1130	607	241
10	74	58	813	3150	4680	4160	3840	4920	3840	996	619	246
11	70	58	893	3200	4580	4200	4000	4920	3870	865	644	247
12	67	58	966	3400	4490	4180	4490	4960	3860	748	660	248
13	65	58	1030	3450	4390	4170	4750	4940	3850	663	663	248
14	65	60	1080	3450	4320	4150	4980	4880	3840	572	655	239
15	64	62	1140	3450	4180	4100	5160	4840	3790	516	636	231
16	64	64	1210	3400	4100	4020	5220	4790	3740	469	614	222
17	63	66	1290	3350	3990	3910	5280	4730	3650	436	580	214
18	63	68	1390	3250	3850	3790	5310	4660	3560	398	552	223
19	63	68	1480	3200	3650	3670	5320	4580	3460	360	514	230
20	62	66	1580	3600	3460	3560	5310	4510	3340	326	475	264
21	62	64	1670	3760	3240	3450	5290	4450	3260	293	433	392
22	62	62	1770	3950	3070	3320	5380	4370	3120	265	392	462
23	61	60	1850	4250	2950	3210	5330	4280	2990	248	359	536
24	61	58	1920	4450	2900	3060	5220	4190	2880	234	347	580
25	61	62	1970	4550	2900	2920	5200	4080	2750	230	326	601
26	61	70	2000	4630	2850	2780	5240	3950	2650	238	331	593
27	61	80	2020	4720	2840	2670	5240	3840	2550	249	335	571
28	60	100	2000	4780	2870	2580	5230	3680	2490	253	321	543
29	60	130	1960	4840	---	2490	5210	3710	2440	268	296	512
30	60	161	1980	4870	---	2430	5190	3680	2380	315	267	477
31	60	---	2000	4930	---	2390	---	3570	---	378	244	---
TOTAL	2287	2072	38350	109400	112960	106860	131750	141080	100880	24970	14902	9922
MEAN	73.1	69.1	1237	3529	4034	3447	4392	4551	3363	805	481	331
MAX	111	161	2020	4930	4930	4200	5380	5110	3870	2290	663	601
MIN	60	58	191	2170	2840	2390	2330	3570	2380	230	244	214
AC-FT	4540	4110	76070	217000	224100	212000	261300	279800	200100	49530	29560	19680
CAL YR 1978	TOTAL	268706	MEAN	736	MAX	4210	MIN	50	AC-FT	533000		
WTR YR 1979	TOTAL	795433	MEAN	2179	MAX	5380	MIN	58	AC-FT	1578000		

RED RIVER BASIN

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07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	.98	3.11	15.12	24.07	19.14	16.34	25.18	20.77	15.66	5.24	3.52
2	1.98	.97	3.51	15.63	24.04	19.24	16.60	24.99	20.69	15.24	5.46	3.43
3	1.99	.95	4.27	15.88	24.01	20.32	17.00	24.75	20.71	14.75	5.60	3.41
4	1.95	---	5.93	16.20	23.94	21.10	17.47	24.89	20.74	14.17	5.70	3.44
5	1.89	---	6.30	16.59	23.85	21.34	18.17	24.83	20.78	13.51	5.86	3.45
6	1.78	---	6.34	17.24	23.84	21.65	18.85	24.78	20.86	12.84	6.06	3.46
7	1.65	---	6.39	18.22	23.91	21.94	19.36	24.80	20.93	12.15	6.29	3.50
8	1.51	---	6.96	18.66	23.83	22.14	20.10	24.81	21.00	11.34	6.50	3.57
9	1.39	---	7.73	19.07	23.74	22.26	21.04	24.78	21.06	10.63	6.64	3.63
10	1.29	---	8.07	19.56	23.64	22.37	21.56	24.72	21.11	9.91	6.73	3.68
11	1.20	---	8.53	20.00	23.53	22.41	22.34	24.63	21.13	9.17	6.88	3.69
12	1.15	---	9.00	20.32	23.40	22.36	23.68	24.56	21.13	8.40	7.04	3.70
13	---	---	9.39	20.52	23.23	22.27	24.33	24.43	21.11	7.59	7.11	3.70
14	---	---	9.74	20.58	23.02	22.16	24.82	24.30	21.06	6.80	7.12	3.61
15	---	---	10.08	20.54	22.74	21.98	25.08	24.16	20.98	6.22	7.06	3.53
16	---	---	10.46	20.40	22.41	21.77	25.17	24.02	20.85	5.80	6.91	3.44
17	---	---	10.88	20.17	22.01	21.53	25.24	23.87	20.69	5.43	6.71	3.36
18	---	---	11.33	19.87	21.60	21.25	25.25	23.70	20.47	5.06	6.47	3.45
19	---	---	11.78	19.76	21.13	20.95	25.22	23.51	20.21	4.70	6.18	3.52
20	---	---	12.23	20.92	20.63	20.65	25.15	23.32	19.89	4.42	5.87	4.24
21	---	---	12.64	21.47	20.12	20.28	25.08	23.11	19.59	4.12	5.50	5.96
22	---	---	13.02	22.03	19.61	19.91	25.32	22.89	19.27	3.86	5.15	6.49
23	---	---	13.37	22.85	19.21	19.52	25.52	22.65	18.81	3.70	4.79	7.11
24	1.01	---	13.66	23.35	19.10	19.05	25.56	22.40	18.32	3.56	4.62	7.58
25	1.01	---	13.88	23.60	19.04	18.57	25.69	22.11	17.85	3.52	4.42	7.77
26	1.01	---	14.03	23.81	18.89	18.13	25.73	21.79	17.39	3.60	4.46	7.75
27	1.01	---	14.11	23.96	18.88	17.71	25.70	21.50	16.98	3.71	4.49	7.58
28	1.00	---	14.11	24.01	19.00	17.30	25.63	21.19	16.64	3.75	4.37	7.33
29	.99	---	14.06	24.05	---	16.96	25.51	21.10	16.33	3.89	4.14	7.02
30	.99	---	14.12	24.08	---	16.64	25.37	21.26	16.01	4.32	3.88	6.67
31	.99	---	14.24	24.09	---	16.51	---	20.97	---	4.85	3.66	---
MEAN	---	---	10.11	20.40	22.02	20.30	22.93	23.55	19.78	7.63	5.71	4.75
MAX	1.99	---	14.24	24.09	24.07	22.41	25.73	25.18	21.13	15.66	7.12	7.77
MIN	.99	---	3.11	15.12	18.88	16.51	16.34	20.97	16.01	3.52	3.66	3.36

07364203 BAYOU BARTHOLOMEW NORTHWEST OF JONES, LA

LOCATION.--Lat 32°58'55", long 91°42'00", in NE¼ sec.13, T.23 N., R.7 E., Morehouse Parish, Hydrologic Unit 08040205, on right bank 0.3 mi (0.5 km) upstream from the mouth of Overflow Creek, 1.3 mi (2.1 km) south of Arkansas-Louisiana State line, 3.2 mi (5.1 km) northwest of Jones, and 4.0 mi (6.4 km) downstream from gaging station Bayou Bartholomew near Jones (station 07364200).

DRAINAGE AREA.--1,190 mi² (3,080 km²), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from December 1966 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft or 24 m (from topographic map). Prior to Oct. 1, 1976, at datum 1.0 ft (0.305 m) lower.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins 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 re-enters the basin 1 mi (2 km) 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, 23.96 ft (7.303 m) Apr. 25, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.96 ft (7.303 m) Apr. 25; minimum not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.46	---	1.46	13.10	22.05	17.39	14.49	23.33	18.92	13.63	3.55	2.24
2	---	---	1.83	13.69	22.02	17.45	14.79	23.15	18.81	13.24	3.77	2.13
3	---	---	2.57	13.94	21.99	18.70	15.17	22.93	18.80	12.75	3.94	2.08
4	---	---	4.24	14.26	21.91	19.36	15.62	23.04	18.83	12.21	4.05	2.08
5	---	---	4.55	14.65	21.80	19.57	16.32	23.00	18.83	11.60	4.16	2.08
6	---	---	4.61	15.29	21.80	19.91	16.99	22.96	18.91	10.96	4.33	2.10
7	---	---	4.66	16.35	21.91	20.18	17.47	23.00	18.96	10.31	4.53	2.15
8	---	---	5.24	16.79	21.86	20.31	18.16	23.03	19.00	9.56	4.73	2.20
9	---	---	5.95	17.19	21.77	20.41	19.14	22.97	19.05	8.94	4.88	2.27
10	---	---	6.20	17.64	21.66	20.44	19.65	22.88	19.05	8.28	4.97	2.33
11	---	---	6.60	---	21.60	20.45	20.53	22.77	19.05	7.64	5.09	2.33
12	---	---	7.04	---	21.50	20.40	21.87	22.65	19.05	6.94	5.26	2.34
13	---	---	7.43	---	21.37	20.29	22.50	22.50	19.04	6.09	5.36	2.34
14	---	---	7.77	---	21.14	20.16	22.97	22.38	18.98	5.31	5.42	2.28
15	---	---	8.09	---	20.90	19.96	23.17	22.23	18.91	4.70	5.41	2.22
16	---	---	8.46	---	20.53	19.76	23.25	22.09	18.81	4.29	5.29	2.14
17	---	---	8.84	---	20.10	19.54	23.29	21.93	18.66	3.90	5.13	2.06
18	---	---	9.24	---	19.69	19.27	23.29	21.76	18.48	3.53	4.90	2.22
19	---	---	9.68	---	19.25	19.00	23.24	21.59	18.22	3.18	4.65	2.38
20	---	---	10.10	---	18.78	18.71	23.16	21.38	17.92	2.91	4.36	3.23
21	---	---	10.50	---	18.33	18.33	23.08	21.16	17.61	2.60	4.02	4.93
22	---	---	10.85	---	17.84	17.97	23.33	20.94	17.33	2.34	3.71	5.36
23	---	---	11.18	---	17.45	17.58	23.62	20.70	16.88	2.23	3.37	5.92
24	---	---	11.47	---	17.35	17.11	23.73	20.44	16.36	2.09	3.21	6.40
25	---	---	11.69	---	17.29	16.64	23.90	20.16	15.89	2.03	3.05	6.58
26	---	---	11.85	21.92	17.15	16.22	23.93	19.86	15.43	2.10	3.03	6.58
27	---	---	11.93	22.05	17.14	15.81	23.90	19.56	15.02	2.30	3.06	6.44
28	---	---	11.97	22.08	17.28	15.41	23.81	19.31	14.66	2.34	3.02	6.19
29	---	---	11.97	22.09	---	15.07	23.68	19.16	14.31	2.41	2.83	5.89
30	---	---	12.00	22.10	---	14.74	23.51	19.39	13.98	2.72	2.58	5.55
31	---	---	12.15	22.07	---	14.62	---	19.12	---	3.18	2.36	---
MEAN	---	---	8.13	---	20.12	18.41	21.05	21.66	17.79	6.01	4.13	3.50
MAX	---	---	12.15	22.10	22.05	20.45	23.93	23.33	19.05	13.63	5.42	6.58
MIN	---	---	1.46	---	17.14	14.62	14.49	19.12	13.98	2.03	2.36	2.06

07364300 CHEMIN-A-HAUT BAYOU NEAR BEEKMAN, LA

LOCATION.--Lat 32°58'55", long 91°48'20", in SE¼ sec.13, T.23 N., R.6 E., Morehouse Parish, Hydrologic Unit 08040205, near center of span on downstream side of bridge on parish road, 1.9 mi (3.1 km) downstream from Arkansas-Louisiana State line, and 6 mi (10 km) northeast of Beekman.

DRAINAGE AREA.--271 mi² (702 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 76.08 ft (23.189 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 28, 1956, nonrecording gage, Jan. 29, 1956, to Oct. 1, 1966, at datum 9.50 ft (2.896 m) higher. Water-stage recorder for Chemin-a-Haut Bayou east of Beekman (station 07364320) used as auxiliary gage for this station Oct. 1, 1968 to Nov. 19, 1974, and since Aug. 12, 1975. Prior to Sept. 30, 1968, and Nov. 20, 1974, to Aug. 11, 1975, water-stage recorder for Bayou Bartholomew near Beekman (station 07364500) used auxiliary gage for this station.

REMARKS.--Records poor. Some diversions above station for irrigation. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 294 ft³/s (8.326 m³/s), 213,000 acre-ft/yr (263 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,500 ft³/s (835 m³/s) Apr. 26, 1958; maximum gage height, 28.21 ft (8.598 m) Apr. 27, 1958, present datum; no flow at times in 1956, 1963, 1965, 1966, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,780 ft³/s (220 m³/s) Apr. 24, gage height, 24.45 ft (7.452 m); minimum, 0.32 ft³/s (0.009 m³/s) Nov. 6, gage height, 11.16 ft (3.402 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	.37	2.0	382	457	1740	1100	908	1430	30	155	19
2	1.1	.35	2.0	783	317	1370	1660	719	1140	19	104	15
3	.98	.34	2.9	1040	198	1400	2930	564	803	21	59	16
4	.86	.34	5.4	1200	156	2520	3730	635	669	19	35	14
5	.83	.34	6.2	1220	154	3320	3290	1600	677	14	27	11
6	.78	.38	9.5	1100	182	2500	2690	2720	773	14	31	12
7	.74	.46	32	1300	505	1700	2140	2490	534	12	31	12
8	.69	.46	91	1740	752	1200	1830	1930	327	9.2	23	14
9	.66	.46	124	2260	883	800	3110	1470	203	31	15	15
10	.63	.46	165	1990	903	600	4480	1110	200	55	11	15
11	.60	.49	219	1440	852	450	3750	843	233	218	11	17
12	.58	.51	228	1020	731	350	6510	626	195	350	9.5	19
13	.65	.52	219	706	570	280	6480	504	170	320	8.7	17
14	.79	.58	188	384	358	200	4280	606	155	209	32	13
15	.85	.62	93	198	190	146	2750	725	145	111	104	10
16	.79	.65	26	164	123	157	1950	667	135	34	130	9.8
17	.71	.74	12	171	103	202	1580	504	125	20	111	11
18	.66	.74	12	127	117	278	1250	341	111	13	67	21
19	.63	.75	12	138	150	249	972	204	95	8.5	40	25
20	.59	.78	12	1220	192	227	725	132	77	7.8	26	46
21	.55	.79	13	3930	235	206	541	102	67	7.5	19	200
22	.52	.85	14	4650	246	191	634	90	55	10	15	349
23	.50	.85	14	2970	296	196	2870	86	38	12	13	416
24	.47	.86	15	2260	931	265	7170	93	29	12	14	410
25	.46	.86	15	1790	1610	367	5280	113	21	16	19	366
26	.46	1.3	15	1400	2090	384	3590	125	24	25	29	350
27	.45	1.9	15	1130	2460	372	2400	148	53	32	22	332
28	.42	2.0	16	976	2190	327	1800	162	74	56	90	246
29	.40	2.0	17	844	---	243	1490	225	81	123	63	105
30	.38	2.0	26	714	---	150	1200	761	53	184	37	33
31	.38	---	52	573	---	315	---	1380	---	180	25	---
TOTAL	20.51	23.75	1673.0	39820	17951	22705	84182	22583	8692	2173.0	1376.2	3138.8
MEAN	.66	.79	54.0	1285	641	732	2806	728	290	70.1	44.4	105
MAX	1.4	2.0	228	4650	2460	3320	7170	2720	1430	350	155	416
MIN	.38	.34	2.0	127	103	146	541	86	21	7.5	8.7	9.8
AC=FT	41	47	3320	78980	35610	45040	167000	44790	17240	4310	2730	6230
CAL YR 1978	TOTAL	81761.36	MEAN 224	MAX 13500	MIN .34	AC=FT 162200						
WTR YR 1979	TOTAL	204338.26	MEAN 560	MAX 7170	MIN .34	AC=FT 405300						

RED RIVER BASIN

07364300 CHEMIN-A-HAUT BAYOU NEAR BEEKMAN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.43	11.18	11.59	16.41	18.37	19.20	17.69	20.20	18.63	12.59	14.19	12.33
2	11.39	11.18	11.59	18.21	17.97	18.57	18.55	19.59	18.38	12.35	13.70	12.25
3	11.36	11.17	11.74	18.72	17.57	18.82	19.97	19.03	17.96	12.40	13.12	12.27
4	11.34	11.17	12.26	18.98	17.30	20.42	20.79	19.11	17.75	12.35	12.70	12.22
5	11.33	11.17	12.40	19.01	17.19	21.71	20.62	20.21	17.72	12.20	12.54	12.11
6	11.32	11.19	12.54	18.81	17.29	16.40	20.07	21.65	17.79	12.21	12.62	12.14
7	11.31	11.22	13.09	19.13	18.14	20.83	19.42	21.87	17.47	12.16	12.62	12.14
8	11.30	11.22	13.98	19.70	18.63	19.93	19.03	21.42	16.89	12.06	12.44	12.20
9	11.29	11.22	14.34	20.35	18.90	19.07	20.28	20.78	16.09	12.61	12.26	12.26
10	11.28	11.22	14.75	20.28	18.98	18.41	22.30	20.14	15.47	13.19	12.13	12.26
11	11.27	11.23	15.29	19.67	18.89	17.81	22.46	19.55	15.03	14.87	12.11	12.28
12	11.26	11.24	15.39	18.98	18.62	17.25	23.77	19.02	14.64	15.64	12.07	12.33
13	11.28	11.24	15.29	18.35	18.25	16.80	24.59	18.55	14.38	15.53	12.04	12.29
14	11.32	11.26	14.98	17.65	17.76	16.34	24.04	18.48	14.23	14.78	12.63	12.18
15	11.34	11.27	14.01	16.64	17.11	15.85	23.14	18.57	14.12	13.54	13.70	12.09
16	11.32	11.28	12.97	15.45	16.47	15.41	22.32	18.44	14.02	12.65	13.98	12.08
17	11.30	11.31	12.61	14.62	15.95	15.06	21.53	18.13	13.91	12.36	13.77	12.16
18	11.29	11.31	12.61	14.12	15.57	14.78	20.79	17.76	13.77	12.18	13.24	12.40
19	11.28	11.31	12.62	14.40	15.26	14.51	20.10	17.31	13.60	12.03	12.79	12.55
20	11.26	11.32	12.63	19.08	15.12	14.30	19.44	16.88	13.39	12.00	12.51	12.98
21	11.25	11.32	12.65	22.35	15.27	14.09	18.89	16.54	13.24	11.99	12.34	14.82
22	11.24	11.34	12.67	23.84	15.65	13.94	19.11	16.29	13.05	12.09	12.24	16.21
23	11.23	11.34	12.68	23.28	16.29	13.99	21.51	16.07	12.76	12.15	12.17	16.69
24	11.22	11.34	12.70	22.48	17.84	14.64	24.45	15.91	12.57	12.15	12.23	16.67
25	11.22	11.34	12.70	21.68	18.85	15.46	24.44	15.87	12.38	12.27	12.33	16.40
26	11.22	11.43	12.71	20.99	19.44	15.66	23.69	15.76	12.46	12.48	12.58	16.29
27	11.22	11.58	12.72	20.46	19.97	15.44	22.92	15.49	13.02	12.64	13.34	16.15
28	11.21	11.59	12.73	20.01	19.78	15.12	22.20	15.22	13.34	13.07	13.54	15.38
29	11.20	11.60	12.76	19.59	---	14.41	21.52	15.70	13.43	13.88	13.18	13.84
30	11.19	11.60	12.97	19.19	---	13.51	20.87	17.68	13.02	14.47	12.73	12.73
31	11.19	---	13.46	18.76	---	15.03	---	18.46	---	14.44	12.48	---
MEAN	11.28	11.31	13.14	19.07	17.59	16.54	21.35	18.25	14.82	12.95	12.78	13.36
MAX	11.43	11.60	15.39	23.84	19.97	21.71	24.59	21.87	18.63	15.64	14.19	16.69
MIN	11.19	11.17	11.59	14.12	15.12	13.51	17.69	15.22	12.38	11.99	12.04	12.08

RED RIVER BASIN

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07364320 CHEMIN-A-HAUT BAYOU EAST OF BEEKMAN, LA

LOCATION.--Lat 32°55'40", long 91°49'25", in NE¼ sec.2, T.22 N., R.6 E., Morehouse Parish, Hydrologic Unit 08040205, near center of span on downstream side of bridge on parish road, 2.3 mi (3.7 km) upstream from mouth, 3.5 mi (5.6 km) east of Beekman, and 3.6 mi (5.8 km) downstream from gaging station Chemin-a-Haut Bayou near Beekman (station 07364300).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records October 1965 to November 1974, and August and September 1975, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 76.58 ft (23.342 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 12, 1975, at datum 0.50 ft (0.152 m) lower.

REMARKS.--Some diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, not determined, occurred during period of no gage-height record in May 1978; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.83 ft (7.263 m) Apr. 25; minimum not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.28	---	---	8.93	17.51	16.17	11.35	19.70	15.59	9.43	2.46	.81
2	---	---	---	10.49	17.20	15.46	12.55	19.14	15.76	9.04	2.20	.67
3	---	---	---	11.47	16.94	16.14	14.79	18.61	15.54	8.62	1.77	.60
4	---	---	---	12.46	16.71	17.77	17.05	18.62	15.23	8.16	1.35	.60
5	---	---	---	13.31	16.54	---	17.39	19.07	15.04	7.65	1.03	.55
6	---	---	5.57	13.74	16.53	---	17.04	20.15	15.00	7.10	.92	.47
7	---	---	8.82	14.64	16.90	---	16.47	20.69	14.95	6.50	1.01	.45
8	---	---	2.05	15.50	17.16	---	16.12	20.45	14.78	5.84	1.03	.46
9	---	---	2.95	16.65	17.34	---	17.11	19.96	14.55	5.17	.95	.50
10	---	---	3.12	17.18	17.46	---	19.82	19.42	14.34	4.65	.90	.56
11	---	---	3.57	16.89	17.44	---	20.75	18.92	14.19	4.39	.93	.56
12	---	---	4.02	16.29	17.28	---	22.27	18.49	14.08	4.57	1.01	.57
13	---	---	4.23	15.69	17.01	---	23.59	18.03	13.99	4.53	1.10	.59
14	---	---	4.36	15.17	16.67	---	23.35	17.74	13.91	4.02	1.18	.54
15	---	---	4.30	14.66	16.26	15.04	22.53	17.64	13.83	3.02	1.63	.43
16	---	---	4.06	14.11	15.80	14.78	21.69	17.53	13.74	1.86	2.28	.29
17	---	---	4.01	13.67	15.38	14.54	20.90	17.32	13.63	1.10	2.37	.19
18	---	---	4.17	13.31	15.01	14.31	20.19	17.07	13.49	.71	2.06	.38
19	---	---	4.47	13.26	14.64	14.07	19.54	16.77	13.32	.51	1.60	.49
20	---	---	4.81	16.08	14.29	13.86	18.96	16.46	13.11	.59	1.22	1.29
21	---	---	5.16	19.43	13.99	13.60	18.47	16.18	12.94	.27	.91	2.63
22	---	---	5.50	22.23	13.70	13.33	18.65	15.94	12.74	.14	.74	3.73
23	---	---	5.83	22.14	13.57	13.06	20.19	15.71	12.40	.11	.60	4.62
24	---	---	6.15	21.40	14.04	12.78	23.19	15.49	12.08	.20	.57	5.06
25	---	---	6.42	20.62	14.89	12.51	23.70	15.29	11.73	.23	.56	5.09
26	---	---	6.65	19.99	15.64	12.23	23.08	15.10	11.27	.53	.64	4.95
27	---	---	6.84	19.52	16.50	11.89	22.35	14.86	10.84	1.02	1.05	4.85
28	---	---	6.96	19.06	16.68	11.51	21.62	14.62	10.47	.98	1.66	4.52
29	---	---	7.03	18.63	---	11.10	20.95	14.46	10.13	1.53	1.66	3.56
30	---	---	7.19	18.24	---	10.65	20.32	14.75	9.80	2.25	1.31	2.40
31	---	---	7.44	17.86	---	10.70	---	15.18	---	2.53	.99	---
MEAN	---	---	---	16.21	16.04	---	19.53	17.40	13.42	3.46	1.28	1.75
MAX	---	---	---	22.23	17.51	---	23.70	20.69	15.76	9.43	2.46	5.09
MIN	---	---	7.44	8.93	13.57	10.65	11.35	14.46	9.80	.11	.56	.19

07364500 BAYOU BARTHOLOMEW NEAR BEEKMAN, LA

LOCATION.--Lat 32°52'20", long 91°52'04", in SW¼SW¼ sec.21, T.22 N., R.6 E., Morehouse Parish, Hydrologic Unit 08040205, near right bank on downstream end of pier of bridge on State Highway 139, 0.6 mi (1.0 km) downstream from Bayou de Glaize, 3.6 mi (5.8 km) south of Beekman, and 7.0 mi (11.3 km) north of Bastrop court house.

DRAINAGE AREA.--1,645 mi² (4,261 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 70.60 ft (21.519 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Feb. 3, 1939, to Aug. 17, 1955, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--24 years (water years 1929-31, 1939-59), 1,795 ft³/s (50.83 m³/s), 1,300,000 acre-ft/yr (1.60 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,700 ft³/s (416 m³/s) May 2, 1958, gage height, 28.30 ft (8.626 m); minimum gage height, 0.50 ft (0.152 m) July 31 and Aug. 1, 1978; minimum discharge, 38 ft³/s (1.08 m³/s) July 30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 26.75 ft or 8.153 m (from floodmark) occurred Apr. 17, 1927 (affected by overflow from Mississippi River). A discharge of 12,400 ft³/s (351 m³/s), gage height, 25.78 ft (7.858 m) was measured by the Corps of Engineers, Jan. 12, 1932.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,490 ft³/s (269 m³/s) Apr. 26, gage height, 25.70 ft (7.833 m); minimum gage height, 0.61 ft (0.186 m) Oct. 31, Nov. 1, 4, 5, 6.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.02	.61	1.26	11.91	20.85	18.79	14.59	23.16	18.72	13.13	3.65	2.45
2	1.03	.62	1.44	13.25	20.58	18.43	15.35	22.68	19.09	12.75	3.88	2.28
3	1.06	.62	1.68	13.81	20.36	18.95	16.39	22.20	19.01	12.33	3.93	2.18
4	1.08	.62	2.96	14.36	20.14	20.28	17.85	22.09	18.74	11.89	3.88	2.15
5	1.11	.61	3.50	15.01	19.94	20.29	18.72	22.21	18.52	11.41	3.82	2.12
6	1.09	.61	3.84	15.60	19.85	21.51	19.00	22.45	18.36	10.91	3.81	2.12
7	1.05	.67	4.01	16.75	20.20	21.56	18.95	22.90	18.32	10.32	3.89	2.09
8	1.00	.68	4.29	17.42	20.29	21.28	18.80	23.04	18.24	9.67	4.02	2.08
9	.95	.67	5.42	18.06	20.44	20.81	19.46	22.94	18.10	8.99	4.14	2.09
10	.90	.66	5.78	18.82	20.50	20.37	20.69	22.65	17.92	8.41	4.23	2.16
11	.86	.64	5.98	19.10	20.52	19.99	21.69	22.29	17.76	7.93	4.32	2.27
12	.82	.64	6.40	---	20.45	19.58	23.34	22.00	17.65	7.61	4.42	2.28
13	.77	.64	6.81	---	20.29	19.18	24.57	21.61	17.55	7.35	4.53	2.28
14	.75	.64	7.12	---	20.05	18.86	25.15	21.28	17.47	6.87	4.62	2.30
15	.74	.65	7.35	---	19.72	18.56	25.11	21.10	17.39	6.14	4.73	2.27
16	.73	.66	7.41	---	19.33	18.28	24.62	21.00	17.30	5.24	4.97	2.20
17	.72	.69	7.42	---	18.91	18.05	24.00	20.86	17.20	4.46	5.04	2.13
18	.71	.72	7.57	---	18.56	17.82	23.43	20.66	17.07	3.91	4.92	2.26
19	.70	.76	7.84	---	18.19	17.59	22.89	20.44	16.91	3.48	4.68	2.33
20	.69	.77	8.17	---	17.84	17.40	22.39	20.18	16.73	3.42	4.39	2.50
21	.69	.77	8.49	---	17.56	17.16	21.94	19.91	16.51	3.09	4.03	5.01
22	.68	.74	8.84	---	17.24	16.90	21.86	19.68	16.41	2.78	3.71	---
23	.68	.72	9.15	---	17.07	16.65	22.92	19.45	16.09	2.54	3.43	---
24	.68	.71	9.47	---	17.38	16.39	24.12	19.24	15.74	2.39	3.16	---
25	.68	.70	9.75	23.16	17.94	16.08	25.41	19.02	15.48	2.28	3.02	---
26	.69	.70	9.98	22.84	18.17	15.80	25.69	18.81	15.02	2.32	2.92	---
27	.66	.82	10.17	22.64	18.48	15.49	25.37	18.58	14.57	2.83	2.89	---
28	.66	.82	10.32	22.22	18.84	15.12	24.83	18.35	14.17	2.80	3.05	---
29	.66	.91	10.38	21.81	---	14.74	24.25	18.16	13.82	2.75	3.16	---
30	.66	1.10	10.60	21.47	---	14.33	23.69	18.21	13.48	2.97	2.98	---
31	.62	---	10.78	21.16	---	14.24	---	18.47	---	3.34	2.71	---
MEAN	.81	.71	6.91	---	19.27	18.08	21.90	20.83	16.98	6.33	3.90	---
MAX	1.11	1.10	10.78	---	20.85	21.56	25.69	23.16	19.09	13.13	5.04	---
MIN	.62	.61	1.26	11.91	17.07	14.24	14.59	18.16	13.48	2.28	2.71	2.08

RED RIVER BASIN

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07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft (15.2 m) upstream from dam on Bayou D'Arbonne, and 2.0 mi (3.2 km) northeast of Aycock.

DRAINAGE AREA.--133 mi² (344 km²).

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 (53.645 m) 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 (2.4- by 2.4-m) sluice gates in upstream face of drop inlet. Invert elevation of sluice gates at 151.25 ft (46.101 m) National Geodetic Vertical Datum of 1929. Capacity, 100,000 acre-ft (123 hm³) at 9.0 ft (2.74 m) gage height. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates remained closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft (3.667 m) May 5, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.03 ft (3.667 m) May 5; minimum, 8.17 ft (2.490 m) Oct. 24, 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.45	8.24	8.50	9.81	10.06	---	10.81	10.10	9.60	9.24	9.48	9.17
2	8.43	8.23	8.49	9.93	9.98	---	10.75	10.04	9.65	9.23	9.61	9.16
3	8.42	8.23	8.59	9.89	10.04	---	10.67	10.06	9.66	9.21	9.59	9.15
4	8.41	8.22	8.89	9.83	10.05	---	10.60	11.23	9.64	9.20	9.55	9.14
5	8.40	8.21	8.90	9.82	10.02	---	10.43	11.97	9.61	9.18	9.52	9.14
6	8.41	8.20	8.89	9.87	10.03	---	10.31	11.56	9.68	9.18	9.48	9.13
7	8.40	8.24	8.91	10.49	10.31	---	10.20	11.19	9.70	9.22	9.44	9.12
8	8.38	8.21	9.07	10.68	10.39	---	10.14	10.90	9.70	9.37	9.41	9.10
9	8.36	8.20	9.19	10.51	10.33	---	10.16	10.66	9.66	9.41	9.38	9.07
10	8.34	8.20	9.18	10.32	---	---	10.08	10.47	9.64	9.40	9.35	9.05
11	8.32	8.20	9.18	10.19	---	---	10.02	10.33	9.56	9.42	9.32	9.03
12	8.31	8.20	9.18	10.07	---	---	10.17	10.30	9.52	9.42	9.31	9.01
13	8.30	8.20	9.18	9.97	---	---	10.16	10.20	9.48	9.40	9.27	9.00
14	8.30	8.20	9.17	9.90	---	---	10.08	10.11	9.45	9.38	9.26	8.97
15	8.28	8.20	9.16	9.80	---	---	10.01	10.03	9.41	9.38	9.25	8.93
16	8.27	8.29	9.17	9.75	---	9.70	9.95	9.95	9.38	9.45	9.23	8.91
17	8.23	8.38	9.17	9.71	---	9.66	9.88	9.86	9.37	9.45	9.22	8.88
18	8.21	8.34	9.16	9.70	---	9.64	9.83	9.78	9.33	9.43	9.20	9.01
19	8.20	8.32	9.17	9.76	---	9.64	9.80	9.71	9.31	9.41	9.20	9.09
20	8.20	8.33	9.19	11.02	---	9.72	9.76	9.65	9.30	9.38	9.18	9.17
21	8.20	8.33	9.19	11.69	---	9.72	9.82	9.60	9.29	9.36	9.17	9.38
22	8.19	8.33	9.19	11.39	---	9.73	9.92	9.55	9.26	9.33	9.15	9.36
23	8.19	8.35	9.18	11.05	---	9.77	10.76	9.57	9.25	9.31	9.16	9.35
24	8.19	8.35	9.24	10.78	---	9.71	10.92	9.52	9.23	9.30	9.17	9.32
25	8.17	8.33	9.17	10.51	---	9.66	10.77	9.48	9.36	9.29	9.16	9.30
26	8.30	8.32	9.18	10.49	---	9.61	10.62	9.44	9.33	9.31	9.25	9.29
27	8.29	8.51	9.17	10.54	---	9.58	10.43	9.42	9.32	9.36	9.25	9.28
28	8.28	8.50	9.16	10.42	---	9.58	10.29	9.42	9.29	9.48	9.23	9.26
29	8.26	8.50	9.18	10.30	---	9.56	10.17	9.51	9.28	9.52	9.22	9.25
30	8.25	8.50	9.37	10.22	---	9.54	10.17	9.64	9.29	9.50	9.21	9.24
31	8.24	---	9.44	10.17	---	10.34	---	9.64	---	9.47	9.19	---
MEAN	8.30	8.30	9.09	10.28	---	---	10.26	10.09	9.45	9.35	9.30	9.14
MAX	8.45	8.51	9.44	11.69	---	---	10.92	11.97	9.70	9.52	9.61	9.38
MIN	8.17	8.20	8.49	9.70	---	---	9.76	9.42	9.23	9.18	9.15	8.88

RED RIVER BASIN

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07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.33	2.48	4.69	6.63	6.26	6.95	7.21	5.05	5.85	3.17	5.90	2.77
2	2.35	2.36	4.44	7.09	5.91	6.54	8.70	4.89	5.53	3.06	6.08	2.68
3	2.13	2.35	4.67	7.26	5.77	6.56	8.08	4.87	5.15	2.96	6.23	2.64
4	2.13	2.34	5.75	7.31	5.88	6.58	7.42	7.40	5.35	2.88	6.19	2.62
5	2.14	2.36	5.79	7.22	5.83	6.55	7.04	8.46	5.55	2.82	5.78	2.66
6	2.07	2.40	5.42	7.13	5.95	6.84	6.81	8.70	5.72	3.59	4.88	2.68
7	2.03	2.40	5.37	8.04	6.80	6.95	6.59	7.87	6.09	4.40	4.11	2.73
8	2.00	2.52	5.44	8.42	7.15	6.58	6.40	7.09	6.33	4.45	3.63	2.82
9	1.95	2.62	5.65	8.55	7.22	6.15	6.43	6.52	6.45	4.77	3.34	2.71
10	1.93	2.66	5.70	7.92	7.38	5.73	6.38	5.97	6.26	5.00	3.17	2.60
11	1.92	2.69	5.63	7.25	7.08	5.43	6.55	5.38	5.60	5.19	3.05	2.54
12	1.98	2.67	5.71	6.78	6.68	5.24	7.19	6.26	4.57	5.48	3.11	2.50
13	1.98	2.66	5.82	6.39	6.32	5.10	7.07	6.50	4.03	5.12	3.33	2.47
14	1.95	2.70	5.60	5.94	5.94	4.96	6.65	5.97	3.74	5.01	3.15	2.41
15	1.92	2.81	4.95	5.45	5.60	4.82	6.42	5.58	3.53	4.54	3.03	2.37
16	1.99	3.10	4.65	5.13	5.34	4.76	6.24	5.13	3.38	4.55	3.13	2.36
17	1.99	3.70	4.49	4.99	5.15	4.73	5.88	4.67	3.27	4.72	3.65	2.39
18	1.95	4.43	4.36	4.98	5.05	4.71	5.17	4.41	3.17	4.60	3.72	2.63
19	1.91	4.55	4.29	5.32	5.09	4.70	4.73	4.20	3.10	4.04	3.28	3.08
20	1.89	4.42	4.26	7.84	5.14	4.82	4.59	4.04	3.08	3.62	3.01	3.84
21	1.91	4.11	4.27	10.18	5.33	5.24	4.65	3.91	3.15	3.34	2.88	4.88
22	1.86	3.87	4.25	10.02	5.58	5.33	5.87	3.84	4.88	3.16	2.90	4.96
23	1.83	3.78	4.13	8.55	5.78	5.42	8.13	4.18	5.57	3.07	2.93	4.88
24	1.78	3.90	4.05	7.70	6.68	5.41	9.24	4.82	5.48	3.05	2.89	4.61
25	1.76	3.98	4.00	7.16	7.27	5.19	8.89	4.86	5.19	3.23	3.50	3.97
26	1.98	4.02	3.95	6.93	7.42	4.95	7.65	5.01	4.42	3.49	3.96	3.44
27	2.96	4.66	3.89	6.86	7.86	4.76	6.94	4.99	4.26	4.25	3.52	3.17
28	3.14	4.85	3.84	6.65	7.44	4.65	6.43	4.55	4.25	4.64	3.24	2.98
29	3.08	4.89	3.95	6.46	---	4.59	5.94	4.69	3.72	4.99	3.02	2.95
30	2.87	4.86	5.17	6.50	---	4.56	5.40	5.51	3.36	5.38	2.92	2.90
31	2.65	---	6.08	6.48	---	5.80	---	6.06	---	5.60	2.85	---
MEAN	2.14	3.37	4.85	7.07	6.25	5.50	6.69	5.53	4.67	4.13	3.75	3.07
MAX	3.14	4.89	6.08	10.18	7.86	6.95	9.24	8.70	6.45	5.60	6.23	4.96
MIN	1.76	2.34	3.84	4.98	5.05	4.56	4.59	3.84	3.08	2.82	2.85	2.36

RED RIVER BASIN

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW¼NW¼ sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near left bank on downstream side of bridge on State Highway 33, 0.6 mi (1.0 km) southwest of Farmerville, and 5.0 mi (8.0 km) upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² (4,162 km²) at dam, 1,470 mi² (3,807 km²) 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 (12.314 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft (244-m) uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft (160 hm³) at spillway crest, 39.60 ft (12.07 m), gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft (1.52- by 1.52-m) sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft (5.364 m) gage datum. Dam completed and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were open October to January and closed the remainder of the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft (13.847 m) June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1925, 45.71 ft (13.932 m) Apr. 30, 1958, from record of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 43.85 ft (13.366 m) Jan. 23; minimum, 28.80 ft (8.778 m) Nov. 15.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.35	28.87	29.71	31.68	---	41.90	40.89	41.40	40.14	39.56	40.03	39.72
2	29.33	28.86	29.76	32.73	---	41.89	41.19	41.17	40.20	39.54	40.14	39.69
3	29.29	28.87	29.84	33.72	41.32	41.71	41.62	40.97	40.23	39.50	40.18	39.71
4	29.25	28.86	30.45	34.54	41.20	41.50	42.10	41.05	40.20	39.48	40.19	39.70
5	29.24	28.85	30.98	35.27	41.13	41.28	42.15	41.39	40.17	39.44	40.19	39.67
6	29.22	28.83	31.51	36.01	41.09	41.10	42.02	41.92	40.25	39.40	40.22	39.65
7	29.19	28.85	31.75	37.10	41.04	40.98	41.80	42.58	40.31	39.43	40.26	39.63
8	29.17	28.86	32.02	38.29	41.05	40.90	41.63	42.73	40.31	39.46	40.26	39.58
9	29.15	28.84	32.36	39.49	41.22	---	41.46	42.52	40.31	39.50	40.25	39.55
10	29.12	28.83	32.47	40.64	41.22	---	41.31	42.18	40.32	39.56	40.20	39.50
11	29.10	28.84	32.44	41.37	41.16	---	41.22	41.83	40.32	39.61	40.16	39.48
12	29.07	28.84	32.31	41.64	41.06	---	41.40	41.64	40.32	39.65	40.11	39.44
13	29.07	28.85	32.07	41.63	40.91	---	41.32	41.42	40.30	39.68	40.06	39.42
14	29.05	28.87	31.83	41.44	40.73	40.48	41.24	41.26	40.22	39.74	40.03	39.36
15	29.05	28.81	31.52	41.31	40.59	40.36	41.19	41.11	40.11	39.82	40.03	39.32
16	29.04	28.90	31.21	41.15	40.48	40.23	41.12	40.92	39.99	39.89	39.98	39.28
17	29.03	28.89	30.68	40.99	40.38	40.14	41.00	40.78	39.87	39.92	39.94	39.24
18	29.01	28.90	30.26	40.85	40.31	40.05	40.85	40.64	39.76	39.94	39.88	39.30
19	28.99	28.90	30.01	40.82	40.24	39.98	40.71	40.50	39.64	39.95	39.86	39.30
20	28.96	28.93	29.77	41.66	40.20	39.92	40.58	40.39	39.52	39.97	39.86	39.36
21	28.93	28.95	29.76	42.66	40.24	39.86	40.46	40.28	39.40	39.96	39.83	39.60
22	28.93	28.98	29.87	43.38	40.56	39.84	40.51	40.22	39.36	39.95	39.83	39.72
23	28.91	29.02	29.94	43.82	40.90	39.92	41.15	40.15	39.36	39.94	39.80	39.82
24	28.89	29.05	29.98	43.56	41.10	39.92	41.58	40.06	39.38	39.93	39.81	39.85
25	28.88	29.05	30.06	43.17	41.26	39.93	42.01	40.00	39.48	39.93	39.79	39.86
26	28.92	29.06	30.10	42.83	41.44	39.93	42.42	39.94	39.53	39.96	39.81	39.85
27	28.93	29.35	30.14	43.62	41.50	40.09	42.54	39.89	39.56	39.99	39.83	39.84
28	28.91	29.47	30.19	---	41.48	40.20	42.35	39.86	39.56	40.01	39.81	39.82
29	28.90	29.55	30.20	---	---	40.26	42.04	39.93	39.56	40.02	39.79	39.81
30	28.87	29.63	30.46	---	---	40.30	41.72	40.03	39.56	40.03	39.77	39.80
31	28.87	---	30.82	---	---	40.51	---	40.10	---	40.03	39.75	---
MEAN	29.05	28.98	30.79	---	---	---	41.45	40.93	39.91	39.77	39.99	39.60
MAX	29.35	29.63	32.47	43.82	---	41.90	42.54	42.73	40.32	40.03	40.26	39.86
MIN	28.87	28.81	29.71	31.68	40.20	39.84	40.46	39.86	39.36	39.40	39.75	39.24

RED RIVER BASIN

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07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in Lot 42, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi (4.0 km) north of Sherrouse School at Monroe, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

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

GAGE.--Water-stage recorder. Altitude of gage is 65 ft (20 m), from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 38.70 ft (11.796 m) Mar. 10, 11, 12, 1979; minimum, 30.12 ft (9.181 m) Sept. 15, 16, 17, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 38.70 ft (11.796 m) Mar. 10, 11, 12; minimum, 30.12 ft (9.181 m) Sept. 15, 16, 17.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.48	30.30	30.42	33.26	37.27	37.89	37.77	---	---	35.63	30.51	30.18
2	30.46	30.30	30.39	32.25	37.33	37.82	38.00	---	---	35.57	30.59	30.17
3	30.45	30.29	30.40	31.77	37.43	38.20	38.21	---	---	35.50	30.59	30.16
4	30.43	30.29	31.20	31.54	37.47	38.37	38.22	---	---	35.44	30.56	30.16
5	30.43	30.29	31.09	31.35	37.49	38.46	38.25	---	---	35.38	30.54	30.20
6	30.43	30.29	30.95	31.30	37.53	38.52	38.26	---	---	35.33	30.51	30.19
7	30.43	30.36	30.82	31.80	37.68	38.55	38.25	---	---	35.26	30.48	30.17
8	30.41	30.34	30.79	31.53	37.71	38.59	38.26	---	---	35.37	30.45	30.29
9	30.41	30.35	31.37	31.32	37.71	38.60	38.25	---	---	35.35	30.42	30.21
10	30.39	30.37	31.15	31.13	37.69	38.61	38.22	---	---	34.82	30.41	30.16
11	30.38	30.39	30.96	30.96	37.67	38.70	38.19	---	---	34.16	30.39	30.14
12	30.37	30.39	30.82	30.83	37.65	38.69	38.30	---	---	33.02	30.36	30.13
13	30.36	30.39	30.73	30.74	37.63	38.65	---	---	---	31.97	30.36	30.13
14	30.35	30.39	30.65	30.82	37.59	38.61	---	---	---	31.46	30.34	30.13
15	30.35	30.39	30.61	31.13	37.57	38.56	---	---	36.48	31.07	30.33	30.13
16	30.34	30.42	30.59	31.33	37.52	38.51	---	---	36.42	31.16	30.32	30.12
17	30.31	30.40	30.57	31.44	37.48	38.46	---	---	36.35	30.67	30.31	30.12
18	30.31	30.40	30.59	31.52	37.53	38.40	---	---	36.29	30.58	30.30	30.30
19	30.30	30.39	30.56	31.73	37.52	38.35	---	---	36.22	30.57	30.29	30.28
20	30.30	30.42	30.52	34.52	37.51	38.31	---	---	36.16	30.56	30.29	30.53
21	30.30	30.42	30.49	34.82	37.53	38.26	---	---	36.10	30.55	---	31.43
22	30.31	30.41	30.46	35.04	37.52	38.21	---	---	36.05	30.57	---	31.19
23	30.30	30.40	30.44	35.35	37.70	38.20	---	---	35.99	30.56	---	30.87
24	30.30	30.42	30.45	35.59	37.97	38.13	---	---	35.92	30.57	---	30.59
25	30.30	30.40	30.43	35.74	38.16	38.06	---	---	35.98	30.57	---	30.45
26	30.36	30.40	30.41	36.00	38.09	37.99	---	---	35.92	30.76	---	30.55
27	30.36	30.70	30.41	36.54	38.01	37.92	---	---	35.86	30.92	30.25	30.29
28	30.33	30.59	30.38	36.76	37.94	37.86	---	---	35.80	30.69	30.24	30.23
29	30.32	30.50	30.39	36.89	---	37.79	---	---	35.73	30.76	30.21	30.21
30	30.29	30.46	30.90	37.03	---	37.72	---	---	35.69	30.59	30.20	30.18
31	30.29	---	31.20	37.18	---	37.77	---	---	---	30.53	30.19	---
MEAN	30.36	30.40	30.68	33.20	37.64	38.28	---	---	---	32.45	---	30.33
MAX	30.48	30.70	31.37	37.18	38.16	38.70	---	---	---	35.63	30.59	31.43
MIN	30.29	30.29	30.38	30.74	37.27	37.72	37.77	---	35.69	30.53	30.19	30.12

RED RIVER BASIN

07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE¼ and SE¼ 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 (1.6 km) northwest of Riverton, and 4.0 mi (6.4 km) northwest of Columbia.

DRAINAGE AREA.--15,630 mi² (40,482 km²).

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 gate-position recorders and broad-crested weir with four radial gates. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). 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 (4.12 km³), and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,000 ft³/s (2,010 m³/s), May 13, 1979, tailwater gage height, 43.08 ft (13.131 m); minimum daily, 1,010 ft³/s (28.6 m³/s) Aug. 24, 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71,000 ft³/s (2,010 m³/s), May 13, tailwater gage height, 43.08 ft (13.131 m); minimum daily, 1,060 ft³/s (30.0 m³/s) Nov. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3060	1520	12400	27700	51500	47300	47400	67000	62400	51800	10200	2700
2	1460	1540	12400	28400	51500	47400	47800	67000	61700	51300	13500	4890
3	2290	1430	13200	28300	51500	48200	48500	67100	61200	50700	14700	5280
4	2220	1290	14500	28300	51400	48800	49200	68200	60800	49800	13900	5050
5	1820	1320	13900	28400	51200	49300	49700	68500	60400	48500	12300	4570
6	1900	1970	14000	29100	51100	49800	50100	68500	60000	47200	14200	3380
7	2180	2250	12700	31000	51100	50200	50500	68700	59800	46000	13700	2970
8	1170	1060	15400	31800	51000	50300	50800	69100	59400	44600	14000	3730
9	1400	1280	16600	32600	51000	50400	51000	69500	59100	43600	13900	3390
10	1690	1890	17000	33400	50800	50600	51100	70000	58900	42500	13700	4810
11	1200	1850	17700	34100	50600	50800	51300	70300	58500	41500	12700	5680
12	1170	1800	18100	35000	50400	50800	52100	70900	58100	39700	10800	5310
13	1290	1200	18600	35900	50000	50700	53000	70900	57600	38000	10000	5700
14	1340	1240	19200	36500	49600	50700	53700	70600	57200	36600	8850	5160
15	1110	2000	19500	36800	49100	50600	54400	70600	56700	35100	6710	4660
16	1150	1520	20000	36900	48600	50400	55100	70300	56400	33700	5510	4380
17	1170	3610	20600	36900	48100	50300	55600	70300	56000	32300	3600	4420
18	1210	4240	21200	36900	47600	50100	56100	70000	55700	30700	3370	3610
19	1200	7470	21800	37700	47000	49900	56500	69800	55400	29000	3430	2080
20	1250	10200	22400	39600	46500	50000	56800	69400	55100	27400	3970	5580
21	1230	11500	23000	41100	45900	49900	57300	69100	54800	25400	3750	6530
22	1250	12600	23800	42300	45300	49700	58600	68800	54600	23700	3480	4260
23	1340	13200	24400	43900	45700	49700	60300	68200	54300	21500	3710	4760
24	1630	13800	25100	45600	46700	49600	61100	67600	54100	18700	3690	6120
25	1370	13800	25800	46800	46900	49400	62100	66900	53900	15500	4470	8900
26	1330	14300	26100	48200	47000	49100	63100	66200	53500	12600	5120	9050
27	1700	14600	26500	49400	47100	48700	64200	65500	53300	10600	4750	6890
28	1070	13400	26700	50100	47200	48300	65200	64700	53000	9150	3290	4510
29	1110	12100	26300	50500	---	47900	66000	64200	52700	8860	2920	6430
30	1130	11700	26700	51000	---	47500	66600	63800	52300	8900	2910	6600
31	1150	---	26600	51400	---	47300	---	63100	---	10300	2840	---
TOTAL	45590	181680	622200	1185600	1371400	1533700	1665200	2114800	1706900	985210	243970	151400
MEAN	1471	6056	20070	38250	48980	49470	55510	68220	56900	31780	7870	5047
MAX	3060	14600	26700	51400	51500	50800	66600	70900	62400	51800	14700	9050
MIN	1070	1060	12400	27700	45300	47300	47400	63100	52300	8860	2840	2080
AC-FT	90430	360400	1234000	2352000	2720000	3042000	3303000	4195000	3386000	1954000	483900	300300
CAL YR 1978	TOTAL	4216150	MEAN	11550	MAX	40400	MIN	1010	AC-FT	8363000		
WTR YR 1979	TOTAL	11807650	MEAN	32350	MAX	70900	MIN	1060	AC-FT	23420000		

RED RIVER BASIN

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

LOCATION.--Lat 32°06'28", long 92°04'27", NE¼SE¼ 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 (3.4 km) downstream from Bayou de Chene, and 4.2 mi (6.8 km) downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi² (40,700 km²), approximately.

WATER-SURFACE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,800 acre-ft (4.12 km³), and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 42.06 ft (12.820 m) May 13, 1979; minimum, 9.86 ft (3.005 m) Oct. 27, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 42.06 ft (12.820 m) May 13; minimum, not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.46	---	12.95	21.07	35.99	33.85	33.86	41.29	40.25	33.04	12.80	10.26
2	---	---	13.02	21.76	35.97	33.86	34.05	41.32	40.09	32.46	13.12	10.53
3	---	---	13.08	21.74	36.00	34.30	34.43	41.33	39.98	31.92	13.78	---
4	---	---	14.24	21.70	35.94	34.59	34.78	41.54	39.80	31.30	13.59	---
5	---	---	14.40	21.76	35.86	34.84	35.05	41.60	39.67	30.70	13.60	---
6	---	---	14.38	22.13	35.74	35.07	35.28	41.63	39.56	30.06	13.55	---
7	---	---	14.63	23.54	35.83	35.25	35.48	41.63	39.47	29.44	13.52	---
8	---	---	15.04	24.08	35.72	35.36	35.61	41.67	39.36	28.78	13.62	---
9	---	---	15.94	24.67	35.71	35.40	35.76	41.76	39.23	28.21	13.74	---
10	---	10.23	16.02	25.17	35.60	35.47	35.83	41.83	39.14	27.65	13.60	---
11	---	10.20	16.22	25.69	35.55	35.60	35.89	41.90	39.04	27.03	13.26	---
12	---	10.19	16.61	26.22	35.40	35.58	36.10	42.02	38.88	26.11	12.67	---
13	---	10.20	16.68	26.85	35.24	35.54	36.74	42.04	38.73	25.23	12.17	---
14	---	10.17	16.88	27.23	34.99	35.49	37.07	41.99	38.57	24.49	11.77	---
15	---	10.26	16.83	27.43	34.73	35.44	37.42	41.97	38.40	23.71	11.11	---
16	---	10.31	16.90	27.48	34.49	35.37	37.73	41.94	38.21	22.97	10.78	---
17	---	10.52	16.88	27.45	34.19	35.27	38.00	41.95	38.02	22.28	10.29	---
18	---	10.55	16.86	27.50	33.99	35.19	38.23	41.89	37.78	21.39	10.29	---
19	---	11.08	17.04	27.66	33.66	35.12	38.40	41.80	37.51	20.55	10.29	---
20	---	11.86	17.32	29.27	33.36	35.09	38.55	41.75	37.26	19.68	10.41	---
21	---	12.51	17.51	30.35	33.10	---	38.70	41.71	37.01	18.86	10.41	---
22	---	12.87	17.85	31.24	32.80	---	38.89	41.66	36.70	18.21	10.34	---
23	---	13.13	18.06	32.08	32.77	---	39.66	41.56	36.38	17.31	10.52	---
24	---	13.41	18.45	32.91	33.51	---	39.89	41.45	36.02	16.09	10.45	---
25	---	13.44	18.79	33.56	33.62	---	40.15	41.30	35.70	14.78	10.76	---
26	---	13.46	18.99	34.16	33.71	---	40.39	41.15	35.35	13.79	10.80	---
27	---	13.90	19.11	34.80	33.75	---	40.61	40.99	34.93	13.23	10.67	---
28	---	13.61	19.03	35.19	33.82	---	40.87	40.80	34.55	12.56	10.44	---
29	---	13.11	18.93	35.43	---	---	41.08	40.62	34.08	12.40	10.27	---
30	---	12.82	19.30	35.66	---	33.95	41.23	40.60	33.58	12.15	10.21	---
31	---	---	19.97	35.90	---	33.81	---	40.42	---	12.47	10.19	---
MEAN	---	---	16.71	28.12	34.68	---	37.52	41.52	37.78	22.54	11.71	---
MAX	---	13.90	19.97	35.90	36.00	35.60	41.23	42.04	40.25	33.04	13.78	---
MIN	---	---	12.95	21.07	32.77	33.81	33.86	40.42	33.58	12.15	10.19	---

RED RIVER BASIN

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1975 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.

WATER TEMPERATURES: Maximum, 33.5°C several days during August 1976; minimum, 2.5°C Jan. 15, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 425 micromhos Oct. 3; minimum, 60 micromhos July 3.

WATER TEMPERATURES: Maximum, 28.5°C July 18, 19; minimum, 2.5°C Jan. 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANT- ANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	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...	1415	1180	201	6.9	23.5	30	15	10.2	2.7	K70	--
NOV											
21...	1530	11700	354	6.6	17.0	60	15	6.6	1.4	K56	840
DEC											
18...	1745	21400	104	6.6	8.0	50	30	10.6	2.5	920	220
JAN											
03...	1500	28400	121	6.7	7.0	60	25	10.6	5.2	440	K2400
FEB											
13...	0900	50000	82	6.2	6.0	80	35	9.7	2.8	84	100
MAR											
07...	1700	50200	112	6.4	12.0	40	20	9.4	3.0	K70	K88
APR											
10...	1000	51100	104	6.1	18.0	60	15	6.9	4.1	K20	K15
MAY											
15...	0900	70600	80	6.2	23.0	70	10	3.9	3.1	K10	K40
JUN											
06...	1500	60000	78	6.3	24.0	60	10	3.2	3.9	K50	240
JUL											
18...	1000	30200	131	7.0	28.0	60	15	3.1	2.1	K80	K33
AUG											
08...	0800	14000	228	6.5	30.5	50	20	6.0	--	K10	--
SEP											
06...	1345	3380	210	6.5	32.0	80	15	6.0	.9	--	K90

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

RED RIVER BASIN

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07367640 OUAGHITA RIVER AT COLUMBIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (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											
18...	11	2.5	27	2.2	35	0	29	15	35	.2	6.2
NOV											
21...	14	3.0	45	3.0	48	0	39	26	62	.1	6.6
DEC											
18...	5.8	1.5	10	2.1	17	0	14	11	15	.0	7.0
JAN											
03...	5.0	2.3	13	2.4	17	0	14	14	17	.0	7.1
FEB											
13...	7.2	1.3	8.3	1.7	9	0	7	26	11	.1	5.3
MAR											
07...	6.1	1.6	11	1.3	13	0	11	8.0	18	.1	6.1
APR											
10...	5.9	1.6	10	1.7	15	0	12	8.8	16	.1	5.6
MAY											
15...	5.4	1.8	9.4	1.7	15	0	12	7.8	14	.1	4.1
JUN											
06...	5.3	1.9	6.5	1.9	18	0	15	9.5	10	.1	3.6
JUL											
18...	8.1	1.7	14	1.9	23	0	19	9.6	24	.1	5.8
AUG											
08...	11	3.0	28	2.0	24	0	20	11	47	.1	7.1
SEP											
06...	9.7	2.6	25	2.6	32	0	26	17	32	.1	9.4

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT										
18...	123	.28	.01	.48	.42	.09	.09	8.0	--	--
NOV										
21...	203	.44	.13	.85	.69	.13	.08	9.0	--	--
DEC										
18...	78	.14	.03	.49	.44	.07	.01	9.0	--	--
JAN										
03...	87	.24	.06	.81	.66	.11	.07	--	9.9	1.9
FEB										
13...	62	.08	.05	.42	.59	.08	.04	10	--	--
MAR										
07...	70	.05	.05	--	.78	.04	.02	8.5	--	--
APR										
10...	65	.08	.15	.57	.52	.05	.02	--	12	3.8
MAY										
15...	71	.09	.07	.83	.60	.09	.03	11	--	--
JUN										
06...	50	.09	.01	1.1	1.1	.10	.04	12	--	--
JUL										
18...	79	.05	.16	.62	.45	.19	.03	--	8.4	1.2
AUG										
08...	146	.41	.08	.54	.50	.08	.01	9.7	--	--
SEP										
06...	134	.54	.11	1.2	1.2	.04	.02	11	--	--

RED RIVER BASIN

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	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, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	CUPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	CUPPER, DIS- SOLVED (UG/L AS CU)
OCT 18...	1	1	100	100	1	1	0	0	1	1	12	6
NOV 21...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	1	1	0	0	0	0	0	0	2	0	19	11
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--
APR 10...	1	0	50	50	1	1	0	0	3	3	7	4
JUL 18...	2	1	200	100	1	1	0	0	3	3	19	4

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
OCT 18...	1100	300	34	3	100	80	.0	.0	0	0	0
NOV 21...	--	--	--	--	--	--	--	--	--	--	--
JAN 03...	1200	220	6	2	80	60	.0	.0	1	0	1
MAR 07...	--	--	--	--	--	--	--	--	--	--	--
APR 10...	970	360	12	0	120	100	.2	.1	0	0	0
JUL 18...	1700	320	14	0	420	230	.1	.1	0	0	0

DATE	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	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 YI-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS YI-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 18...	0	30	20	--	--	--	--	--	--	--	--
NOV 21...	--	--	--	--	--	--	--	--	--	--	200
JAN 03...	0	30	30	1.6	.9	3.2	.8	3.0	.9	.06	--
MAR 07...	--	--	--	--	--	--	--	--	--	--	2800
APR 10...	0	40	30	--	--	--	--	--	--	--	--
JUL 18...	0	50	10	.8	.4	2.7	.4	2.5	.4	.10	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	405	389	218	216	222	187	112	108	94	92	104	101
2	411	401	222	218	245	224	112	110	93	91	105	103
3	425	411	227	222	252	246	123	111	91	88	106	104
4	423	389	224	222	249	218	138	123	88	86	108	105
5	387	358	224	222	317	218	186	138	86	85	110	105
6	358	338	225	223	325	276	242	182	85	84	113	110
7	338	322	230	225	268	186	227	159	86	84	114	112
8	321	304	234	230	210	186	157	137	86	84	114	111
9	302	274	240	230	214	211	136	118	85	84	116	113
10	272	254	243	239	215	207	118	108	85	83	115	111
11	255	241	248	243	363	220	109	106	84	82	---	---
12	241	235	251	247	345	213	115	109	83	81	---	---
13	235	229	252	250	208	177	115	107	83	81	---	---
14	229	220	254	251	233	173	106	103	82	81	---	---
15	220	215	257	253	238	174	104	100	83	81	---	---
16	217	213	259	256	171	125	101	99	83	82	---	---
17	212	209	264	258	124	106	101	99	85	82	---	---
18	211	208	290	274	107	104	102	100	86	84	---	---
19	210	207	313	291	108	105	102	99	88	85	---	---
20	213	210	354	315	112	108	99	97	92	88	---	---
21	215	207	376	344	111	107	97	94	96	92	---	---
22	208	206	388	354	113	106	96	94	99	96	83	81
23	206	204	407	360	112	99	97	94	101	100	82	81
24	205	203	400	323	99	95	94	92	103	100	82	80
25	208	204	363	198	98	93	95	92	103	101	83	81
26	209	204	193	140	105	98	94	88	103	100	83	81
27	205	201	140	135	110	105	89	87	102	100	84	82
28	210	205	149	139	113	108	89	88	102	100	84	82
29	214	210	163	149	113	111	91	88	---	---	---	---
30	214	211	186	164	111	109	91	90	---	---	---	---
31	216	213	---	---	112	109	93	90	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1			---	---	87	84	69	67				
2			---	---	86	83	69	68				
3			---	---	85	83	74	60				
4			---	---	84	83	120	62				
5			---	---	85	83	146	112				
6			---	---	84	83	162	147				
7			---	---	87	83	160	131				
8			---	---	88	86	160	142				
9			---	---	87	86	176	154				
10			---	---	87	86	190	171				
11			---	---	87	85	189	172				
12			---	---	85	84	167	127				
13			---	---	86	85	199	128				
14			---	---	87	85	284	166				
15			---	---	86	82	259	218				
16			---	---	83	81	263	221				
17			---	---	84	81	316	265				
18			---	---	84	82	336	319				
19			---	---	83	82	384	331				
20			---	---	84	82	---	---				
21			---	---	103	82	---	---				
22			---	---	87	83	---	---				
23			---	---	86	82	---	---				
24			82	74	84	82	---	---				
25			82	78	83	81	---	---				
26			82	80	81	80	---	---				
27			85	83	81	80	---	---				
28			87	81	82	80	---	---				
29			85	81	82	66	---	---				
30			86	81	69	67	---	---				
31			90	84	---	---	---	---				

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.0	26.5	21.0	21.0	13.5	13.0	8.5	8.0	5.0	5.0	9.5	9.0
2	27.0	26.5	21.0	21.0	14.0	13.5	8.5	8.0	5.5	5.0	9.5	9.0
3	27.0	26.5	21.0	21.0	14.0	14.0	8.0	7.5	5.5	5.5	10.5	9.5
4	26.5	26.0	21.0	21.0	14.0	13.0	7.5	7.0	5.5	5.5	10.5	10.5
5	26.5	26.0	21.0	20.5	13.0	13.0	7.0	6.5	5.5	5.5	11.0	10.5
6	26.0	25.5	21.0	20.5	13.5	13.0	6.5	6.0	5.5	5.5	11.5	11.0
7	25.5	25.0	20.5	20.0	13.5	13.5	6.0	5.5	5.5	5.5	11.5	11.0
8	25.0	24.5	20.0	19.5	13.5	13.0	5.5	5.0	5.5	5.5	11.5	11.5
9	24.5	24.5	19.5	19.0	13.0	12.0	5.0	4.0	5.5	5.0	12.0	11.5
10	24.5	24.0	19.0	19.0	12.0	11.5	4.0	4.0	5.5	5.0	12.0	12.0
11	24.5	24.0	19.5	19.0	11.5	11.5	4.0	3.5	5.5	5.5	12.0	12.0
12	24.5	24.0	19.5	19.5	11.5	11.0	3.5	3.5	6.0	5.5	12.5	12.0
13	24.5	24.0	20.0	19.5	10.5	10.0	3.5	3.0	6.0	6.0	12.5	12.5
14	24.0	23.5	20.0	19.5	10.0	9.5	3.0	3.0	6.5	6.0	13.0	12.5
15	23.5	23.0	20.0	19.5	9.5	9.0	3.0	2.5	7.5	6.5	13.5	13.0
16	23.0	22.5	20.0	19.5	9.0	8.5	3.0	3.0	7.5	7.5	13.0	13.0
17	22.5	22.0	20.0	19.5	8.5	7.5	3.0	3.0	7.0	7.0	13.5	13.0
18	22.0	21.5	19.0	19.0	7.5	7.5	3.5	3.0	7.0	6.5	13.5	13.0
19	22.0	21.5	19.0	18.5	7.5	7.5	4.5	3.5	6.5	6.0	14.0	13.5
20	22.0	21.5	18.5	18.5	8.0	7.5	5.5	4.5	6.0	6.0	14.5	14.0
21	22.0	21.5	18.5	18.0	8.5	8.5	5.5	5.5	6.5	6.0	15.0	14.5
22	22.0	22.0	18.0	18.0	9.0	8.5	6.0	5.5	7.0	6.5	15.0	15.0
23	22.0	22.0	18.0	17.0	9.0	8.5	6.0	6.0	7.5	7.0	15.0	15.0
24	22.0	21.5	17.0	16.5	9.0	9.0	6.0	6.0	8.5	7.5	15.0	14.5
25	22.0	21.5	16.5	16.0	9.0	8.5	6.0	6.0	8.5	8.0	14.5	14.5
26	22.0	22.0	15.5	15.0	9.0	8.5	6.0	5.5	8.5	8.5	14.5	14.0
27	22.0	21.5	15.0	14.5	9.0	8.5	5.5	5.5	8.5	8.5	15.0	14.5
28	21.5	21.0	14.5	14.0	8.5	8.5	5.5	5.5	9.0	8.5	15.5	15.0
29	21.0	21.0	14.0	13.5	8.5	8.5	5.5	5.0	---	---	16.0	15.0
30	21.0	20.5	13.5	13.5	8.5	8.0	5.0	5.0	---	---	16.0	15.5
31	21.0	20.5	---	---	8.5	8.5	5.0	5.0	---	---	16.5	16.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.5	---	---	23.0	22.5	27.0	26.5				
2	---	---	---	---	23.0	23.0	27.0	26.5				
3	---	---	---	---	23.5	23.0	27.5	27.0				
4	---	---	---	---	23.5	23.0	27.5	27.5				
5	---	---	---	---	23.5	23.5	28.0	27.5				
6	---	---	---	---	23.5	23.5	28.0	27.5				
7	---	---	---	---	24.0	23.5	28.0	28.0				
8	---	---	---	---	24.5	24.0	28.0	27.5				
9	---	---	---	---	24.5	24.5	28.0	27.5				
10	---	---	---	---	25.0	24.5	27.5	27.5				
11	---	---	---	---	25.0	24.5	27.5	27.5				
12	---	---	---	---	24.5	24.5	27.5	27.5				
13	---	---	---	---	24.5	24.5	27.5	27.5				
14	---	---	---	---	24.5	24.5	27.5	27.5				
15	---	---	---	---	24.5	24.5	27.5	27.5				
16	---	---	---	---	25.0	24.5	28.0	27.5				
17	---	---	---	---	25.0	24.5	28.0	27.5				
18	---	---	---	---	25.0	25.0	28.5	28.0				
19	---	---	---	---	25.5	25.0	28.5	28.0				
20	---	---	---	---	25.5	25.5	---	---				
21	---	---	---	---	26.0	25.5	---	---				
22	---	---	---	---	26.0	26.0	---	---				
23	---	---	---	---	26.0	26.0	---	---				
24	---	---	23.0	23.0	26.0	26.0	---	---				
25	---	---	23.0	23.0	26.0	25.5	---	---				
26	---	---	23.0	22.5	25.5	25.5	---	---				
27	---	---	23.0	22.5	25.5	25.5	---	---				
28	---	---	22.5	22.5	26.0	25.5	---	---				
29	---	---	22.5	22.5	26.0	26.0	---	---				
30	---	---	22.5	22.5	26.5	26.0	---	---				
31	---	---	22.5	22.5	---	---	---	---				

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MARCH 1979

DATE	NOV 21, 78	MAR 7, 79
TIME	1530	1700
TOTAL CELLS/ML	200	2800
DIVERSITY: DIVISION	1.0	1.9
..CLASS	1.0	2.0
...ORDER	1.8	2.2
...FAMILY	1.8	2.6
....GENUS	0.0	2.8

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....MICRACTINIACEAE				
....MICRACTINIUM	--	-	440#	16
....DOCYSTACEAE				
....ANKISTRODESMUS	--	-	180	7
....DICTYOSPHAERIUM	--	-	55	2
....KIRCHNERIELLA	--	-	42	2
....SELENASTRUM	--	-	42	2
...SCENEDESMACEAE				
....SCENEDESMUS	44#	22	--	-
..VOLVOCALES				
...CHLAMYDOMONADACEAE	44#	22	--	-
....CHLAMYDOMONAS	--	-	55	2
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	22	11	28	1
....MELOSIRA	66#	33	550#	20
..PENNALES				
...FRAGILARIACEAE				
....FRAGILARIA	--	-	14	1
....SYNEDRA	--	-	14	1
...NITZSCHACEAE				
....NITZSCHIA	22	11	28	1
..CHRYSOPHYCEAE				
...CHRYSONOMADALES				
...OCHROMONADACEAE				
....OCHROMONAS	--	-	69	3
...SYNURACEAE	--	-	14	1
....SYNURA	--	-	14	1
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
...CRYPTOMONADACEAE				
....CRYPTOMONAS	--	-	150	6
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
...CHROOCOCCACEAE				
....ANACYSTIS	--	-	1000#	37
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
....TRACHELOMONAS	--	-	55	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE¼NE¼ 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 (3.2 km) downstream from Arkansas-Louisiana State line, and 7.5 mi (12.1 km) southwest of Kilbourne.

DRAINAGE AREA.--785 mi² or 2,033 km² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft³/s or 5.664 m³/s only). October 1973 to current year (daily gage heights and daily discharges below 200 ft³/s or 5.664 m³/s only). Gage-height record and occasional discharge measurements since May 1946 in files of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft (21.979 m) 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 (91 m) upstream. Prior to Oct. 1, 1978, at 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 (2.7 km) downstream from base gage at datum 74.35 ft (22.662 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Diversions above and below station for irrigation. Diversions between gage and control May to August. At times all flow past gage is diverted before reaching control. Daily discharge is that passing the control. 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). Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft³/s (26.96 m³/s), 689,700 acre-ft/yr (850 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 25.41 ft (7.745 m), present datum, about Mar. 17, 1973; no flow at times in 1966, 1974, 1977, and 1978, result of pumping for irrigation.
Maximum discharge, 16,500 ft³/s (467 m³/s) Feb. 11, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 24.8 ft (7.56 m), present datum, was reached Feb. 15, 1948 (from records of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.23 ft (7.385 m) Jan. 22; minimum daily discharge, 19 ft³/s (0.54 m³/s) Oct. 12, 13, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	27	162					118		164		
2	40	29	128					134		162		
3	34	29						141		101		
4	32	27								63		
5	31	25								44		
6	30	27								68		
7	29	30										
8	27	30										
9	26	29									180	
10	25	27									150	
11	20	25									120	
12	19	20									100	173
13	19	20										178
14	22	21							181			185
15	23	25							147		170	184
16	23	25			176				125		140	185
17	24	24			155	187			106		120	172
18	20	23	181			165			97	183	100	188
19	19	25	153			150			98	134	190	
20	23	30	141			135			60	96	160	
21	25	35	132			118			81	72	110	
22	25	40	125							61		
23	25	35	134							50		
24	26	45	120							80		
25	27	70	101									
26	26	100	86									
27	26	150	75			160						
28	27	200	57			126						
29	26		60			111						
30	26	200				103	145					
31	26	---			---		---		---			---
TOTAL	813	---	---		---	---	---	---	---	---	---	---
MEAN	26.2	---	---		---	---	---	---	---	---	---	---
MAX	42	---	---		---	---	---	---	---	---	---	---
MIN	19	20	57		155	103	145	118	60	44	100	172

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.69	2.42	3.56	19.87	4.81	---	11.50	3.33	11.89	2.91	---	3.56
2	2.66	2.48	3.39	22.64	4.52	---	16.47	3.42	10.68	2.86	---	3.67
3	2.56	2.49	3.83	22.15	4.49	---	19.83	3.46	12.08	2.22	---	4.13
4	2.55	2.44	16.07	18.40	4.85	---	19.06	16.93	12.95	1.85	---	3.84
5	2.53	2.39	16.51	10.38	5.00	---	15.63	22.56	12.52	1.62	---	3.63
6	2.50	2.43	13.11	9.57	5.96	---	9.74	22.56	13.23	1.90	---	3.52
7	2.47	2.50	9.72	19.88	13.80	---	5.91	20.99	11.03	4.53	---	3.47
8	2.42	2.51	11.48	21.33	12.67	---	11.56	15.50	6.80	5.64	---	3.40
9	2.41	2.49	17.94	19.40	8.42	---	21.30	7.06	5.15	5.89	---	3.33
10	2.39	2.43	16.41	13.88	5.84	---	20.54	4.89	4.46	4.89	---	3.29
11	2.24	2.39	12.05	7.21	4.70	---	15.30	4.49	4.03	6.00	---	3.21
12	2.20	---	7.72	5.84	4.23	---	21.10	8.37	3.69	6.85	---	2.99
13	2.21	---	5.46	5.31	3.98	---	22.66	9.99	3.37	5.17	---	3.02
14	2.29	---	4.65	4.97	3.82	---	22.05	6.95	3.04	4.13	---	3.08
15	2.32	---	4.25	4.66	3.73	3.94	17.67	5.16	2.76	4.89	---	3.07
16	2.32	---	3.98	4.45	3.62	3.77	9.31	4.37	2.53	4.29	---	3.07
17	2.36	---	3.78	4.24	3.53	3.66	5.95	3.99	2.31	3.57	---	2.98
18	2.22	---	3.64	4.09	3.84	3.57	5.21	3.76	2.19	3.06	---	3.10
19	2.21	---	3.52	6.74	4.00	3.50	4.71	3.62	2.22	2.63	---	3.37
20	2.34	---	3.46	20.92	4.15	3.42	4.41	3.52	1.81	2.19	---	4.27
21	2.38	---	3.41	23.91	5.28	3.33	4.18	3.39	2.02	1.94	---	9.67
22	2.39	---	3.37	24.19	6.31	3.74	4.80	3.37	4.87	1.82	---	10.26
23	2.39	---	3.42	24.05	9.36	5.36	14.03	4.09	8.29	---	4.76	7.48
24	2.41	---	3.34	23.67	16.32	5.69	13.84	4.72	7.24	---	5.80	5.50
25	2.42	---	3.22	22.07	19.72	4.61	9.35	4.77	9.17	---	5.75	4.42
26	2.41	---	3.12	18.93	17.69	3.85	5.82	4.13	6.88	---	5.40	3.92
27	2.40	---	3.03	17.23	12.39	3.55	4.61	3.70	4.59	---	4.67	3.63
28	2.42	---	2.87	12.73	---	3.37	4.01	5.39	3.70	---	4.13	3.47
29	2.41	---	2.90	7.42	---	3.28	3.68	8.15	3.38	---	3.82	3.34
30	2.41	---	4.80	5.81	---	3.23	3.48	14.65	3.33	---	3.75	3.23
31	2.41	---	11.32	5.28	---	5.41	---	15.19	---	---	3.63	---
MEAN	2.40	---	6.75	13.91	---	---	11.59	7.95	6.07	---	---	4.10
MAX	2.69	---	17.94	24.19	19.72	---	22.66	22.56	13.23	---	---	10.26
MIN	2.20	---	2.87	4.09	3.53	3.23	3.48	3.33	1.81	1.62	---	2.98

RED RIVER BASIN

07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec.1, T.17 N., R.6 E., and sec.6, T.17 N., R.7 E., Richland Parish, Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi (0.8 km) east of Girard.

DRAINAGE AREA.--1,226 mi² or 3,175 km² (see REMARKS).

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

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft (15.063 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 3, 1955, nonrecording gage at sites within 200 ft (61 m) upstream. Prior to Oct. 1, 1966, at datum 2.20 ft (0.671 m) higher. Water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower. See WSP 2120 for changes prior to Nov. 20, 1962.

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. 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 374 ft³/s (10.59 m³/s), 271,000 acre-ft/yr (334 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s (86.9 m³/s) May 2, 1958; maximum gage height, 21.51 ft (6.556 m) May 6, 1958, present datum; minimum discharge, 9.2 ft³/s (0.26 m³/s) Aug. 21, 1976; minimum gage height, 2.79 ft (0.850 m) June 1, 2, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 7, 1927, reached a stage of 31.7 ft (9.66 m), present site and datum, (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,700 ft³/s (48.1 m³/s) Jan. 27; maximum gage height, 15.39 ft (4.691 m) Jan. 27; minimum daily discharge, 19 ft³/s (0.54 m³/s) Oct. 31 to Nov. 6, Nov. 9-13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	19	40	560	303	599	361	144	338	54	100	52
2	24	19	40	931	209	367	590	139	379	49	90	50
3	24	19	67	1110	158	492	836	136	317	44	110	50
4	23	19	175	1170	134	720	978	243	281	40	130	49
5	24	19	356	1110	117	973	1030	508	279	37	140	47
6	24	19	486	943	123	1120	934	859	298	34	120	47
7	23	20	479	869	226	1140	697	1100	313	32	100	44
8	23	20	395	890	381	889	427	1200	312	38	80	43
9	22	19	399	942	434	522	322	1120	253	56	65	41
10	22	19	510	938	342	306	605	750	175	98	55	40
11	22	19	569	801	242	215	858	412	123	100	50	38
12	22	19	493	522	169	174	932	293	97	90	46	36
13	22	19	343	298	128	139	996	273	81	88	60	35
14	23	20	217	183	104	114	1100	269	77	94	70	35
15	23	21	143	128	388	93	1170	247	72	96	64	34
16	22	22	108	104	838	75	1130	206	67	89	50	34
17	22	26	89	95	63	63	823	178	61	79	38	34
18	23	25	74	87	82	53	487	164	54	69	35	44
19	23	24	64	193	89	49	275	152	51	60	40	46
20	22	26	58	796	907	45	184	147	48	65	50	108
21	22	31	52	1240	135	42	137	144	45	67	40	266
22	22	34	48	1450	170	46	302	163	44	58	34	329
23	22	33	46	1550	388	61	834	161	42	54	35	353
24	21	31	43	1590	838	76	918	151	47	56	40	305
25	22	29	41	1570	1040	80	882	137	70	55	57	232
26	22	31	39	1620	1130	74	686	128	87	62	96	168
27	22	36	36	1680	1100	67	440	120	106	83	82	127
28	21	34	36	1550	907	55	279	114	96	96	76	100
29	20	36	36	1230	---	45	198	115	79	131	69	90
30	20	38	64	796	---	39	161	126	64	129	61	75
31	19	---	155	479	---	70	---	207	---	114	55	---
TOTAL	692	746	5701	27425	11145	8803	19572	10106	4356	2217	2138	2952
MEAN	22.3	24.9	184	885	398	284	652	326	145	71.5	69.0	98.4
MAX	26	38	569	1680	1130	1140	1170	1200	379	131	140	353
MIN	19	19	36	87	63	39	137	114	42	32	34	34
AC-FT	1370	1480	11310	54400	22110	17460	38820	20050	8640	4400	4240	5860
CAL YR 1978	TOTAL	46181	MEAN 127	MAX 1790	MIN 16	AC-FT 91600						
WTR YR 1979	TOTAL	95853	MEAN 263	MAX 1680	MIN 19	AC-FT 190100						

RED RIVER BASIN

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07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.82	3.55	3.96	9.56	8.78	9.86	7.50	7.80	8.08	3.97	---	3.94
2	3.79	3.55	3.96	11.57	7.53	8.31	9.20	7.75	8.35	3.87	---	3.93
3	3.77	3.54	4.35	12.39	6.68	9.29	10.67	7.74	8.05	3.75	---	3.93
4	3.75	3.54	6.08	12.69	6.16	10.25	11.49	8.68	7.73	3.66	---	3.90
5	3.77	3.53	7.44	12.56	5.69	11.35	11.78	9.92	7.62	3.58	---	3.87
6	3.76	3.54	8.45	12.11	5.66	12.06	11.41	11.48	7.67	3.54	---	3.86
7	3.74	3.57	8.56	12.16	6.77	12.26	10.26	12.52	7.71	3.50	---	3.83
8	3.72	3.56	8.18	11.96	7.83	11.28	8.63	13.02	7.66	3.60	---	3.80
9	3.71	3.55	8.26	11.96	8.24	9.33	7.63	12.86	7.20	4.00	---	3.77
10	3.70	3.54	8.76	11.83	7.72	7.74	9.01	11.61	6.48	4.80	---	3.75
11	3.69	3.53	9.15	11.18	6.85	6.82	10.50	10.10	5.86	4.82	---	3.71
12	3.69	3.54	8.45	9.67	6.06	6.20	11.21	9.41	5.36	4.65	---	3.67
13	3.69	3.55	7.88	8.00	5.47	5.67	11.78	9.20	4.96	4.62	---	3.65
14	3.69	3.57	6.77	6.70	5.05	5.21	12.21	9.11	4.67	4.73	---	3.65
15	3.69	3.60	5.87	5.80	4.76	4.84	12.52	8.97	4.44	4.77	---	3.64
16	3.67	3.63	5.23	5.22	4.51	4.58	12.44	8.72	4.25	4.64	---	3.63
17	3.67	3.70	4.80	4.88	4.40	4.40	11.33	8.51	4.11	4.46	---	3.64
18	3.67	3.69	4.53	4.70	4.68	4.27	9.57	8.35	3.99	4.27	---	3.87
19	3.67	3.68	4.37	6.78	4.76	4.21	8.14	8.22	3.90	4.09	---	3.91
20	3.65	3.70	4.26	11.26	5.04	4.16	7.24	8.09	3.83	4.19	---	5.88
21	3.64	3.81	4.15	13.17	5.47	4.11	6.67	7.96	3.77	4.24	---	8.32
22	3.63	3.85	4.09	14.06	5.82	4.17	7.84	8.13	3.74	4.05	---	8.34
23	3.62	3.84	4.04	14.51	7.94	4.37	11.19	8.04	3.68	3.96	---	8.25
24	3.60	3.81	4.00	14.74	10.83	4.56	11.77	7.80	3.80	4.01	---	7.75
25	3.61	3.77	3.97	14.70	11.92	4.60	11.71	7.53	4.30	3.99	4.04	6.96
26	3.62	3.81	3.93	14.97	12.31	4.53	10.97	7.32	4.60	4.14	4.77	6.16
27	3.62	3.89	3.88	15.35	12.25	4.45	9.79	7.15	4.88	4.52	4.52	5.51
28	3.60	3.86	3.88	14.90	11.46	4.30	8.82	6.98	4.77	4.77	4.43	5.02
29	3.58	3.88	3.88	13.73	---	4.15	8.26	6.85	4.46	5.28	4.30	4.68
30	3.57	3.92	4.37	11.98	---	4.06	7.95	6.90	4.17	5.26	4.15	4.45
31	3.55	---	6.13	10.29	---	4.48	---	7.34	---	5.05	4.02	---
MEAN	3.68	3.67	5.67	11.14	7.17	6.45	9.98	8.84	5.47	4.28	---	4.78
MAX	3.82	3.92	9.15	15.35	12.31	12.26	12.52	13.02	8.35	5.28	---	8.34
MIN	3.55	3.53	3.88	4.70	4.40	4.06	6.67	6.85	3.68	3.50	---	3.63

RED RIVER BASIN

07368040 BOEUF RIVER SOUTHWEST OF RAYVILLE, LA

LOCATION.--Lat 32°25'40", long 91°49'05", in NE¼ sec.26, T.17 N., R.6 E., Richland Parish, Hydrologic Unit 08050001, on left bank 5 mi (8 km) southwest of Rayville, and 6.4 mi (10.3 km) 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 (15.240 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1952, nonrecording gage and prior to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.77 ft (4.197 m) Mar. 18, 1975; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.67 ft (3.862 m) Jan. 27; minimum, 2.71 ft (0.826 m) Aug. 24.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	2.97	3.18	7.84	7.82	8.03	5.56	7.27	6.70	3.19	3.77	3.27
2	3.23	2.97	3.19	9.30	6.71	6.86	7.03	7.23	6.87	3.14	3.80	3.25
3	3.21	2.97	3.53	9.91	5.91	7.76	8.16	7.23	6.77	3.09	3.82	3.30
4	3.19	2.97	4.92	10.19	5.32	8.12	8.93	7.93	6.51	3.03	3.66	3.31
5	3.18	2.97	5.54	10.22	4.85	8.71	9.17	8.55	6.35	2.95	3.56	3.28
6	3.19	2.96	6.33	10.11	4.75	9.25	9.00	9.46	6.32	2.90	3.51	3.26
7	3.19	2.96	6.59	10.42	5.48	9.52	8.23	10.18	6.28	2.87	3.43	3.24
8	3.19	2.96	6.50	10.07	6.01	9.01	7.05	10.61	6.21	2.97	3.32	3.23
9	3.19	2.96	6.60	9.89	6.34	7.64	6.09	10.66	5.92	3.26	3.23	3.23
10	3.18	2.96	6.75	9.70	6.11	6.39	6.52	10.02	5.45	3.62	3.15	3.21
11	3.16	2.96	7.05	9.22	5.46	5.62	7.68	9.09	5.02	3.71	3.09	3.18
12	3.16	2.96	6.63	8.13	4.86	5.04	8.62	8.63	4.61	3.67	3.03	3.14
13	3.16	2.96	6.35	6.81	4.41	4.58	9.36	8.45	4.26	3.71	2.98	3.14
14	3.14	2.97	5.55	5.70	4.09	4.20	9.63	8.35	3.99	3.84	2.95	3.14
15	3.13	3.00	4.89	4.94	3.89	3.92	9.86	8.26	3.77	3.86	2.95	3.14
16	3.12	3.03	4.42	4.45	3.68	3.72	9.91	8.11	3.59	3.80	2.89	3.13
17	3.11	3.06	4.10	4.14	3.60	3.59	9.35	7.96	3.48	3.71	2.86	3.15
18	3.10	3.06	3.90	3.98	3.81	3.50	8.14	7.83	3.37	3.57	2.82	3.44
19	3.10	3.06	3.77	5.76	3.83	3.44	7.10	7.71	3.29	3.39	2.77	3.47
20	3.10	3.06	3.69	9.40	4.05	3.41	6.40	7.59	3.23	3.56	2.77	5.34
21	3.07	3.06	3.59	10.72	4.31	3.38	5.96	7.46	3.17	3.62	2.78	---
22	3.05	3.08	3.54	11.34	4.43	3.40	6.64	7.58	3.14	3.50	2.78	---
23	3.05	3.10	3.48	11.76	6.41	3.49	9.11	7.48	3.10	3.45	2.73	---
24	3.03	3.12	3.42	11.97	8.54	3.54	9.68	7.24	3.10	3.44	2.72	---
25	3.02	3.11	3.40	11.98	9.40	3.55	9.72	6.99	3.16	3.47	3.07	---
26	3.02	3.13	3.38	12.24	9.69	3.54	9.33	6.79	3.29	3.59	3.70	---
27	3.04	3.18	3.37	12.66	9.71	3.53	8.61	6.63	3.44	3.91	3.56	---
28	3.03	3.18	3.35	12.41	9.20	3.46	7.97	6.46	3.48	3.90	3.48	4.12
29	3.01	3.18	3.34	11.61	---	3.38	7.59	6.31	3.40	4.01	3.40	3.90
30	2.99	3.18	3.78	10.40	---	3.33	7.38	6.31	3.28	4.01	3.34	3.74
31	2.97	---	5.20	9.12	---	3.60	---	6.40	---	3.89	3.29	---
MEAN	3.11	3.04	4.62	9.24	5.81	5.18	8.13	7.96	4.49	3.50	3.20	---
MAX	3.25	3.18	7.05	12.66	9.71	9.52	9.91	10.66	6.87	4.01	3.82	---
MIN	2.97	2.96	3.18	3.98	3.60	3.33	5.56	6.31	3.10	2.87	2.72	3.13

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in SW¼ sec.36, T.18 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi (1.8 km) upstream from Illinois Central Railroad bridge, and 2.5 mi (4.0 km) west of town of Crew Lake.

DRAINAGE AREA.--361 mi² or 935 km² (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 (11.302 m) 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 (5.791 m) 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 1979 are published under miscellaneous water-quality sites in this report.

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

AVERAGE DISCHARGE.--41 years, 1,658 ft³/s (46.95 m³/s), 1,201,000 acre-ft/yr (1.48 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft³/s (759 m³/s) May 2, 1958; maximum gage height, 27.55 ft (8.397 m) Feb. 14, 1966; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft³/s (481 m³/s) was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft³/s (541 m³/s) Jan. 23; maximum daily reverse flow, 350 ft³/s (9.91 m³/s) July 2, 3 (backwater from Ouachita River); maximum gage height, 26.90 ft (8.200 m) Jan. 27; minimum daily discharge, 33 ft³/s (0.93 m³/s) Nov. 15.

DISCHARGE* IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	43	585	13300	5190	3840	4970	700	7760	-300	1470	522
2	77	43	360	18000	2010	2000	12500	600	5840	-350	974	508
3	77	43	621	16400	1500	14400	14100	500	5490	-350	1080	522
4	78	44	7130	16500	1100	13700	14700	6000	5740	-300	2020	712
5	76	40	10300	14800	1000	14200	13700	12000	6040	-250	2050	597
6	76	42	9340	11800	3230	14500	11200	13000	6150	-200	1800	525
7	67	47	6790	12900	8560	13600	5750	14000	5780	200	1320	472
8	63	43	5450	14100	10200	9160	3890	13200	3760	915	753	414
9	61	40	9360	14200	7370	4280	11200	11200	1950	1980	455	354
10	61	40	10500	13600	3470	3660	13600	6590	1300	1900	333	320
11	61	39	9010	10200	1800	4190	13300	3000	1000	1320	290	336
12	59	40	6090	6240	1400	2860	12500	4000	800	2120	396	325
13	58	39	3400	2770	1100	1730	13400	5000	600	2260	605	275
14	58	39	1870	2470	900	1400	13500	4000	400	1420	597	285
15	50	33	1080	2030	700	1200	13300	3000	300	1090	486	280
16	53	37	1000	1370	600	900	11400	2500	200	1340	420	255
17	51	38	1020	857	500	800	5250	2000	100	1100	333	280
18	46	362	766	638	500	600	2800	1900	50	744	250	318
19	45	1270	613	4840	1000	500	2000	1800	0	452	290	363
20	45	1410	541	15400	1500	500	1500	1600	-100	372	490	1770
21	47	1410	504	17000	3100	500	1000	1500	-100	408	518	7540
22	47	933	436	18000	2960	1000	7580	1400	-150	375	462	8360
23	47	668	396	18800	11400	1570	13100	1350	-150	330	565	6110
24	48	565	381	19000	15200	1600	13400	1300	2920	322	1230	3080
25	45	593	351	18700	16100	1300	12100	1300	2650	342	1860	1340
26	51	784	318	18700	16400	1000	9040	1250	3380	843	2080	887
27	54	1100	280	16600	13900	800	3250	1250	1450	3310	1790	748
28	47	1420	243	17900	9890	600	1600	1200	400	4150	1280	776
29	44	1820	231	12000	---	500	1000	1300	-150	3550	920	676
30	42	1490	735	11400	---	500	800	4650	-250	2800	685	305
31	43	---	5020	8350	---	1020	---	7740	---	2230	585	---
TOTAL	1755	14515	94723	368895	143180	118410	257430	130830	63160	34123	28387	39255
MEAN	56.6	484	3056	11900	5114	3820	8581	4220	2105	1101	916	1309
MAX	79	1820	10500	19000	16400	14500	14700	14000	7760	4150	2080	8360
MIN	42	33	231	638	500	500	800	500	-250	-350	250	255
AC-FT	3480	28790	187900	731700	284000	234900	510600	259500	125300	67680	56310	77860

CAL YR 1978 TOTAL 612724 MEAN 1679 MAX 22500 MIN 33 AC-FT 1215000
WTR YR 1979 TOTAL 1294664 MEAN 3547 MAX 19000 MIN -350 AC-FT 2568000

RED RIVER BASIN

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	1.78	3.85	22.76	22.62	21.39	18.08	21.01	22.49	11.50	5.83	3.69
2	2.03	1.77	3.20	24.95	21.03	18.97	22.20	21.01	21.90	11.01	4.73	3.65
3	2.03	1.77	3.94	25.21	19.53	23.79	24.28	21.01	21.60	10.42	4.96	3.69
4	2.04	1.79	16.02	25.27	18.47	24.28	24.74	23.02	21.56	9.81	7.06	4.15
5	2.02	1.74	20.21	24.88	17.62	24.78	24.60	25.14	21.58	9.19	7.13	3.88
6	2.03	1.76	19.77	24.02	18.17	25.00	23.83	25.74	21.52	8.58	6.56	3.70
7	1.93	1.82	17.39	24.30	21.56	24.83	21.75	25.99	21.36	8.26	5.51	3.55
8	1.89	1.77	15.31	24.69	22.56	23.35	19.97	25.99	20.52	8.36	4.24	3.38
9	1.87	1.74	19.51	24.71	21.51	20.95	22.41	25.60	19.35	9.61	3.50	3.18
10	1.88	1.74	20.77	24.46	19.46	19.31	23.91	24.55	18.60	9.65	3.11	3.06
11	1.88	1.73	19.68	23.16	17.75	19.03	24.14	23.59	18.15	8.31	2.94	3.12
12	1.87	1.74	16.58	20.03	16.70	17.94	24.10	23.23	17.87	8.94	3.32	3.08
13	1.86	1.72	12.91	15.64	16.00	17.10	24.52	23.18	17.58	9.05	3.90	2.88
14	1.86	1.72	9.72	13.60	15.59	16.42	24.75	22.98	17.29	7.36	3.88	2.92
15	1.77	1.65	7.36	12.58	15.18	16.00	24.81	22.47	17.01	6.22	3.59	2.90
16	1.82	1.70	6.00	11.46	14.47	15.73	24.41	22.06	16.71	6.51	3.40	2.80
17	1.80	1.71	4.96	10.47	14.05	15.58	22.78	21.82	16.44	5.49	3.11	2.90
18	1.74	3.05	4.27	10.00	14.13	15.41	21.18	21.67	16.15	4.22	2.78	3.05
19	1.73	5.38	3.92	14.41	14.10	15.23	20.13	21.55	15.88	3.49	2.94	3.21
20	1.74	5.70	3.74	24.50	14.17	15.01	19.71	21.42	15.55	3.24	3.60	6.31
21	1.77	5.70	3.64	25.60	15.68	14.82	19.45	21.28	15.19	3.36	3.68	17.08
22	1.77	4.64	3.45	25.05	15.51	14.99	21.14	21.27	14.88	3.25	3.52	19.42
23	1.78	4.05	3.32	26.31	21.31	15.49	24.36	21.09	14.80	3.10	3.80	17.55
24	1.80	3.80	3.27	26.50	24.41	15.28	25.01	20.91	15.47	3.07	5.30	13.92
25	1.76	3.87	3.17	26.55	25.06	15.04	24.97	20.76	15.13	3.14	6.70	10.55
26	1.85	4.31	3.05	26.68	25.22	14.80	24.34	20.59	15.38	4.44	7.18	8.30
27	1.88	5.00	2.90	26.80	24.98	14.63	23.04	20.42	14.04	9.69	6.55	6.53
28	1.81	5.72	2.75	26.70	23.74	14.56	21.99	20.24	13.08	11.27	5.42	5.10
29	1.77	6.61	2.70	25.69	---	14.56	21.46	20.37	12.51	10.18	4.61	4.07
30	1.75	5.88	4.15	25.27	---	14.49	21.15	21.11	12.00	8.70	4.09	3.00
31	1.77	---	12.63	24.09	---	14.48	---	22.34	---	7.52	3.85	---
MEAN	1.86	3.11	8.84	22.17	18.95	17.86	22.77	22.37	17.39	7.32	4.54	5.82
MAX	2.05	6.61	20.77	26.80	25.22	25.00	25.01	25.99	22.49	11.50	7.18	19.42
MIN	1.73	1.65	2.70	10.00	14.05	14.49	18.08	20.24	12.00	3.07	2.78	2.80

RED RIVER BASIN

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07369050 BAYOU LAFOURCHE NEAR ALTO, LA

LOCATION.--Lat 32°23'50", long 91°59'40", in SE¼ sec.6, T.16 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, at bridge on State Highway 15, 8 mi (13 km) west of Alto, 9.5 mi (15.3 km) downstream from gaging station Bayou Lafourche near Crew Lake (station 07369000), and 40 mi (64 km) 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).

COOPERATION.--Elevations furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 61.46 ft (18.733 m) May 9, 1975; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since April 1946, 63.8 ft (19.45 m) Apr. 23, 1947; minimum, 34.82 ft (10.613 m) July 18, 19, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 61.00 ft (18.593 m) Jan. 28; minimum, 34.75 ft (10.592 m) Nov. 10.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.41	35.28	38.37	55.65	58.67	57.58	53.64	---	57.96	48.06	40.46	37.22
2	35.37	35.22	37.11	58.52	57.37	55.60	56.60	---	57.75	47.59	39.12	37.26
3	35.35	35.04	37.43	58.82	56.03	57.00	58.25	---	57.50	46.98	38.95	37.21
4	35.35	35.00	48.68	58.92	55.02	58.40	58.68	---	57.39	46.40	40.60	37.28
5	35.40	34.96	53.50	58.87	54.20	58.92	58.83	---	57.34	45.78	41.40	37.64
6	35.50	34.91	53.75	58.67	54.28	59.12	58.63	---	57.25	45.17	40.83	37.42
7	35.36	35.01	51.78	58.70	56.55	59.19	57.60	---	57.16	44.78	39.95	37.25
8	35.28	34.88	50.07	58.82	57.30	58.62	56.06	60.94	56.67	44.60	38.62	37.05
9	35.21	34.82	53.35	58.81	56.90	57.03	56.69	60.87	55.84	45.28	37.50	---
10	35.23	34.80	54.65	58.66	55.60	55.43	57.90	60.53	55.15	45.40	36.88	36.52
11	35.28	34.82	53.80	58.08	54.19	54.97	58.34	59.85	54.72	44.27	36.60	36.65
12	35.28	34.80	51.25	55.45	53.26	54.12	58.53	59.48	54.45	44.29	36.78	36.75
13	35.26	34.80	48.32	51.70	52.65	53.46	58.84	59.33	54.15	44.28	37.50	36.52
14	35.22	34.91	45.50	49.60	52.25	52.90	59.10	59.20	53.85	42.98	37.68	36.38
15	35.18	34.90	43.35	48.66	51.85	52.54	59.26	58.92	53.55	41.95	37.62	36.30
16	35.12	35.00	41.80	47.71	51.26	52.28	59.30	58.62	53.27	41.94	37.05	36.19
17	35.19	35.04	40.47	46.83	50.80	52.15	58.83	58.38	52.99	41.01	36.67	36.28
18	35.17	35.48	39.16	46.41	50.88	52.00	57.76	58.25	52.68	39.65	36.11	36.70
19	35.08	38.47	38.43	49.50	50.75	51.82	56.92	58.13	52.36	38.60	36.06	37.12
20	35.11	39.36	38.05	57.88	50.70	51.58	56.38	58.00	52.04	38.27	36.88	38.30
21	35.14	39.60	37.79	59.10	51.63	51.41	56.14	57.85	51.72	38.17	37.15	50.75
22	35.11	38.79	37.68	59.50	51.50	51.47	56.38	57.83	51.43	38.01	37.02	53.78
23	35.20	38.05	37.60	59.88	---	51.84	58.72	57.70	51.30	37.69	37.01	52.50
24	35.25	37.62	37.60	60.20	---	51.62	59.50	57.50	51.47	37.29	38.66	49.68
25	35.25	37.51	37.58	60.40	---	51.47	59.82	57.34	51.19	37.47	40.25	46.75
26	35.29	37.95	37.55	60.65	---	51.35	59.82	57.18	51.20	38.46	41.19	44.55
27	35.36	38.69	37.37	60.90	59.30	51.18	59.37	57.00	50.37	43.15	40.72	42.70
28	35.35	39.41	37.35	60.90	58.90	51.15	58.66	56.80	49.64	45.30	37.56	41.05
29	35.24	40.42	37.27	60.80	---	51.13	58.13	56.80	49.08	44.63	38.63	39.45
30	35.26	40.38	38.97	60.42	---	51.10	57.86	57.13	48.58	43.15	38.72	38.10
31	35.27	---	46.14	59.69	---	51.30	---	57.78	---	41.96	37.42	---
MEAN	35.26	36.53	43.28	56.73	---	53.86	58.02	---	53.67	42.66	38.31	---
MAX	35.50	40.42	54.65	60.90	---	59.19	59.82	---	57.96	48.06	41.40	53.78
MIN	35.08	34.80	37.11	46.41	50.70	51.10	53.64	56.80	48.58	37.29	36.06	36.19

RED RIVER BASIN

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°04'15", long 91°55'40", in NW¼NE¼ 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 (10.8 km) northwest of Fort Necessity, 0.5 mi (0.8 km) downstream from confluence of Bayou Lafourche Cutoff.

DRAINAGE AREA.--2,542 mi² (6,584 km²), 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 current year.
WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Nov. 27, 1978; minimum daily, 50 micromhos Dec. 24, 1978.
WATER TEMPERATURES: Maximum daily, 35.0°C July 18, 19, 1978; minimum daily, 5.0°C Jan. 5-9, 20, 21, Feb. 1, 5, 7, 9, 10, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Nov. 27; minimum daily, 50 micromhos Dec. 24.
WATER TEMPERATURES: Maximum daily, 30.5°C Aug. 3, 6, 7, 8, 9, 17; minimum daily, 5.0°C Jan. 5-9, 20, 21, Feb. 1, 5, 7, 9, 10.

WATER QUALITY DATA: WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	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...	1600	.00	959	7.7	22.5	5	35	12.5	6.8	K90	--
NOV 02...	0830	.00	949	8.0	19.5	15	15	9.0	6.2	--	K55
DEC 19...	1030	.00	191	7.3	10.5	60	140	9.6	2.4	460	820
JAN 03...	1600	24500	91	7.0	7.0	80	55	10.6	4.6	780	13000
FEB 13...	1130	5180	86	6.6	6.5	100	200	10.2	4.2	K450	2500
MAR 07...	1300	16400	62	6.5	15.0	200	90	8.7	2.1	420	1400
APR 10...	1105	9070	145	6.5	20.0	160	230	6.9	5.5	250	580
MAY 15...	1000	7090	900	6.6	23.0	100	250	3.7	6.9	K50	K30
JUN 06...	1100	9020	172	6.7	26.0	120	250	4.8	3.0	K90	530
JUL 18...	1355	1920	283	7.1	30.0	35	180	5.2	2.2	K80	K33
AUG 08...	1000	1320	330	6.8	31.0	15	70	6.4	2.3	K20	--
SEP 06...	1200	911	531	7.6	30.0	15	55	6.5	1.4	--	K190

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

RED RIVER BASIN

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07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (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 18...	46	18	120	5.1	203	0	167	21	200	.2	11
NOV 02...	61	20	110	4.9	240	0	197	29	180	.2	13
DEC 19...	14	5.1	17	3.8	60	0	49	16	26	.1	7.0
JAN 03...	6.2	2.8	5.4	3.5	29	0	24	9.7	8.0	.1	5.4
FEB 13...	6.0	1.6	8.0	2.0	43	0	35	2.0	7.2	.1	3.8
MAR 07...	6.8	1.4	4.6	1.5	27	0	22	3.1	3.9	.1	3.1
APR 10...	7.3	2.1	16	3.0	36	0	30	12	16	.1	4.9
MAY 15...	--	--	8.1	2.9	37	0	30	8.5	7.2	--	--
JUN 06...	11	3.1	18	3.1	46	0	38	17	20	.2	5.1
JUL 18...	20	7.2	--	3.5	77	0	63	--	36	.2	--
AUG 08...	27	8.4	26	3.4	110	0	90	17	37	.2	11
SEP 06...	37	14	47	4.6	150	0	123	21	70	.2	12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 18...	532	.02	.15	--	.76	.19	.13	9.8	--	--
NOV 02...	529	.02	.20	1.3	1.2	.16	.07	7.2	--	--
DEC 19...	124	.31	.11	--	.96	.30	.10	10	--	--
JAN 03...	67	.63	.15	--	1.4	.40	.16	--	8.2	3.4
FEB 13...	60	.34	.19	1.1	1.2	.25	.10	12	--	--
MAR 07...	43	.25	.18	1.1	.99	.54	.03	17	--	--
APR 10...	103	.51	.23	1.3	1.3	.45	.06	--	11	52
MAY 15...	--	--	--	--	--	--	--	13	--	--
JUN 06...	108	.77	.16	--	.02	.51	.05	18	--	--
JUL 18...	--	--	--	--	--	--	--	--	4.8	2.0
AUG 08...	195	.71	.09	.79	.59	.15	.04	11	--	--
SEP 06...	306	.27	.20	.48	.47	.13	.05	9.8	--	--

RED RIVER BASIN

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	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, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
OCT 18...	3	2	200	200	0	0	0	0	2
JAN 03...	4	1	0	0	1	1	10	0	2
APR 10...	6	2	200	0	0	--	10	0	1
JUL 18...	5	1	100	100	1	1	10	0	2

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 18...	2	4	4	790	20	0	0	420	200
JAN 03...	0	16	16	7800	190	8	3	200	40
APR 10...	0	17	8	9600	320	25	2	220	20
JUL 18...	2	24	2	6400	50	17	0	400	230

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 18...	.0	.0	0	0	0	0	10	10
JAN 03...	.1	.1	1	1	1	0	50	50
APR 10...	.2	.0	0	0	0	0	60	40
JUL 18...	.1	.0	0	0	0	0	70	7

RED RIVER BASIN

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07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	--	73	.00	89
NOV 02...	46000	75	.00	89
DEC 19...	--	101	.00	92
JAN 03...	--	155	--	97
FEB 13...	--	620	8670	99
MAR 07...	640	199	8810	95
APR 10...	--	310	7590	96
MAY 15...	--	256	4900	80
JUN 06...	--	273	6650	96
JUL 18...	--	248	1290	99
AUG 08...	--	143	510	93
SEP 06...	--	135	332	98

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	1450	---	114	61	---	91	184	---	263	---
2	---	---	---	81	94	86	---	97	163	---	278	---
3	590	1040	---	85	98	---	120	99	162	---	305	---
4	---	927	744	77	70	---	87	93	---	---	---	---
5	695	---	207	72	56	---	101	---	178	---	---	---
6	721	---	220	179	---	66	---	---	---	---	328	---
7	779	1290	200	194	88	64	---	93	---	---	356	---
8	---	1250	---	69	---	75	---	82	---	199	---	---
9	---	1280	130	67	111	91	145	72	---	198	357	---
10	839	1280	120	126	104	---	137	---	---	---	352	---
11	---	1310	117	185	---	---	108	---	---	---	---	---
12	902	1170	109	192	---	96	---	---	---	---	---	---
13	902	1300	227	---	65	---	82	---	---	---	---	643
14	---	1300	233	---	88	---	76	82	---	---	---	704
15	---	1320	---	---	90	---	69	---	---	---	384	---
16	---	---	---	---	89	127	---	---	---	---	---	697
17	1020	1380	---	---	---	121	---	74	---	---	388	694
18	---	---	---	---	---	115	---	---	---	336	---	---
19	939	---	194	---	---	---	---	---	---	389	422	---
20	---	---	---	56	---	160	81	---	---	222	418	---
21	---	---	---	72	---	146	---	---	---	---	469	254
22	---	---	---	62	---	---	---	---	---	272	---	146
23	---	---	120	59	---	---	82	---	---	---	---	---
24	---	---	50	61	---	---	---	---	---	295	457	257
25	---	---	57	---	---	145	---	---	---	308	---	152
26	---	---	105	---	---	134	97	---	---	---	---	134
27	---	2020	129	---	73	123	103	106	---	267	685	156
28	---	1760	148	---	75	125	---	---	---	338	710	166
29	---	1540	---	---	---	123	---	109	---	---	---	---
30	---	1630	---	---	---	129	108	109	---	167	---	---
31	---	---	---	88	---	---	---	---	---	219	739	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	15.0	---	5.0	10.5	---	20.5	22.0	---	30.0	---
2	---	---	---	5.5	---	10.5	---	20.5	---	---	30.0	---
3	25.5	20.0	---	5.5	---	---	15.5	20.5	---	---	30.5	---
4	---	20.5	25.0	5.5	5.5	---	15.5	20.5	---	---	---	---
5	25.5	---	15.5	5.0	5.0	---	15.5	---	21.0	---	---	---
6	21.0	---	15.5	5.0	---	---	---	---	---	---	30.5	---
7	23.0	15.5	15.5	5.0	5.0	11.0	---	20.5	---	---	30.5	---
8	---	15.5	---	5.0	---	11.0	---	20.5	---	30.0	30.5	---
9	---	15.5	5.5	5.0	5.0	11.0	16.0	20.5	---	25.5	30.5	---
10	26.0	15.5	6.0	---	5.0	---	16.0	---	---	---	30.0	---
11	---	16.0	5.5	---	---	---	14.0	---	---	---	---	---
12	21.0	20.0	5.5	---	---	11.0	---	---	---	---	---	---
13	21.0	16.0	5.5	---	5.5	---	16.0	---	---	---	---	25.0
14	---	16.0	5.5	---	5.5	---	20.0	21.0	---	---	---	25.0
15	---	20.0	---	---	---	---	20.0	---	---	---	25.5	---
16	---	---	---	---	6.0	11.0	---	---	---	---	---	---
17	20.5	20.0	---	---	---	---	---	25.0	---	---	30.5	---
18	---	---	---	---	---	---	---	---	---	30.0	---	---
19	20.0	---	10.5	---	---	---	---	---	---	26.0	30.0	---
20	---	---	---	5.0	---	16.0	20.5	---	---	25.5	30.0	---
21	---	---	---	5.0	---	16.0	---	---	---	---	25.5	20.5
22	---	---	---	---	---	---	---	---	---	30.0	---	20.5
23	---	---	10.5	5.5	---	---	20.5	---	---	---	---	---
24	---	---	10.5	5.5	---	---	---	---	---	26.0	25.5	20.5
25	---	---	10.5	---	---	15.5	---	---	---	26.0	---	20.5
26	---	---	10.5	---	---	15.5	20.5	---	---	---	---	20.5
27	---	15.5	6.0	---	10.5	15.5	20.5	20.5	---	25.5	26.0	20.5
28	---	11.0	10.0	---	10.5	15.5	---	---	---	25.5	26.0	20.5
29	---	11.0	---	---	---	15.5	---	23.0	---	---	---	---
30	---	11.0	---	---	---	15.0	20.0	24.0	---	30.0	---	---
31	---	---	---	---	---	---	---	---	---	30.0	25.0	---

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MARCH 1979

DATE	NOV 2, 78	MAR 7, 79
TIME	0830	1300
TOTAL CELLS/ML	46000	640
DIVERSITY: DIVISION	0.8	1.6
..CLASS	0.8	1.6
..ORDFR	1.6	1.9
...FAMILY	1.7	3.0
....GENUS	0.0	3.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
...OOCYSTACEAE				
....DICHOTOMOCOCCUS	320	1	--	-
....MICRACTINIACEAE				
....GOLENKINIA	--	-	14	2
....MICRACTINIUM	--	-	110#	17
...OOCYSTACEAE				
....ANKISTRODESMUS	880	2	14	2
....KIRCHNERIELLA	640	1	--	-
....QUADRIGULA	*	0	--	-
...SCENEDESMACEAE				
....ACTINASTRUM	320	1	--	-
....CRUCIGENIA	320	1	--	-
....SCENEDESMUS	960	2	55	9
..VOLVOCALES				
...CHLAMYDOMONADACEAE	960	2	--	-
...CHLAMYDOMONAS	*	0	55	9
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
..CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	240	1	--	-
..PENNALES				
...FRAGILARIACEAE				
....FRAGILARIA	240	1	--	-
....SYNEDRA	--	-	14	2
...GOMPHONEMACEAE				
....GOMPHONEMA	--	-	14	2
...NAVICULACEAE				
....NAVICULA	--	-	28	4
...NITZSCHIACEAE				
....HANTZSCHIA	--	-	14	2
....NITZSCHIA	--	-	97#	15
...SURIPELLACEAE				
....SURIPELLA	--	-	83	13
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
...CHROOCOCCACEAE				
....AGMENELLUM	28000#	61	--	-
....ANACYSTIS	*	0	--	-
...HORMOGONALES				
...NOSTOCACEAE				
....ANABAENA	10000#	22	120#	20
...OSCILLATORIACEAE				
....OSCILLATORIA	320	1	--	-
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
....EUGLENA	640	1	--	-
....TRACHELOMONAS	1700	4	14	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

RED RIVER BASIN

07369205 TURKEY CREEK AT STATE HIGHWAY 15, AT WINNSBORO, LA

LOCATION.--Lat 32°09'15", long 91°42'42", in NW¼ sec.36, T.14 N., R.7 E., Franklin Parish, Hydrologic Unit 08050001, on downstream side of bridge on State Highway 15, at Winnsboro.

DRAINAGE AREA.--28.8 mi² (74.2 km²).

PERIOD OF RECORD.--March 1975 to September 1978 (gage heights and one discharge measurement), October 1978 to current year (elevations and one discharge measurement).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1978 at datum 50.11 ft (15.274 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 63.49 ft (19.352 m), present datum, June 12, 1975; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 60.75 ft (18.517 m) Jan. 20; minimum, 51.34 ft (15.648 m) Sept. 9, 10.

Discharge measurement made during collection of record

Date	Discharge (ft ³ /s)	(m ³ /s)
Apr. 13, 1979	763	21.6

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.10	51.75	52.21	59.27	53.57	54.11	53.47	59.38	---	51.58	51.53	51.40
2	52.10	51.75	52.19	58.95	53.37	52.47	54.74	59.24	---	51.62	51.46	52.88
3	52.09	51.76	52.17	58.53	53.15	52.27	58.17	59.07	---	51.55	51.65	52.16
4	52.09	51.76	57.57	57.87	53.87	52.17	57.13	58.19	---	51.55	51.53	51.70
5	52.09	51.77	54.27	55.33	53.07	52.15	55.87	58.32	---	51.53	51.47	51.45
6	52.10	51.79	52.55	53.37	55.21	52.13	53.70	57.79	---	51.53	51.45	51.59
7	52.09	51.81	52.15	52.67	57.77	52.09	52.97	57.75	---	51.56	51.42	51.40
8	52.09	51.83	52.17	51.51	53.90	52.07	52.79	57.73	---	51.55	51.42	51.36
9	52.08	51.85	57.77	51.51	53.07	52.05	52.71	57.69	---	51.57	51.43	51.35
10	52.08	51.84	53.75	51.67	52.89	52.01	52.57	57.67	---	53.60	51.41	51.34
11	52.09	51.83	52.57	52.21	52.37	53.17	52.20	57.65	---	52.57	51.43	51.36
12	52.09	51.83	51.95	52.65	52.17	52.77	56.37	57.61	---	52.10	51.71	51.38
13	52.08	51.82	51.81	53.07	51.97	52.27	54.73	57.59	---	51.82	51.49	51.38
14	52.08	51.83	51.75	53.65	51.85	52.03	53.07	57.55	---	51.65	51.45	51.37
15	52.07	51.84	51.73	53.77	51.75	51.93	52.27	57.53	---	51.62	51.80	51.41
16	52.05	51.85	51.67	54.79	51.67	51.81	53.38	57.51	---	51.58	51.51	51.42
17	52.01	51.86	51.63	55.38	52.89	51.75	57.57	57.47	---	51.55	51.43	51.42
18	51.97	51.87	51.59	57.07	54.67	51.73	57.11	57.41	---	51.53	51.39	51.51
19	51.92	51.89	51.55	58.43	54.13	52.03	58.06	57.39	---	51.53	51.40	51.43
20	51.77	51.88	51.53	60.75	55.27	51.97	57.07	57.27	---	52.26	51.40	52.61
21	51.72	51.87	51.49	60.67	55.62	51.93	55.28	57.17	---	53.42	51.40	59.28
22	51.70	51.93	51.47	60.51	54.17	51.97	55.07	56.97	51.70	54.24	51.45	55.77
23	51.68	51.99	53.49	58.83	58.68	52.33	54.63	56.93	51.68	52.78	51.42	53.53
24	51.67	51.98	54.17	58.07	60.07	52.21	54.07	56.57	51.64	52.14	51.49	52.54
25	51.69	51.99	54.67	57.43	59.07	52.07	53.88	56.21	51.98	52.51	51.42	52.00
26	51.71	52.03	55.19	56.47	58.27	51.97	53.74	56.09	51.72	52.14	51.47	51.63
27	51.71	52.15	56.67	56.17	56.17	51.75	53.08	---	51.66	54.47	51.42	51.48
28	51.75	50.09	57.89	56.07	55.23	51.67	52.87	---	51.61	53.03	51.42	51.43
29	51.77	52.17	58.37	55.90	---	51.55	59.69	---	51.61	52.23	51.41	51.40
30	51.77	52.19	58.75	55.07	---	51.53	59.57	---	51.60	51.86	51.38	51.39
31	51.76	---	59.07	54.41	---	51.55	---	---	---	51.63	51.38	---
MEAN	51.93	51.83	53.74	55.87	54.50	52.11	54.93	---	---	52.14	51.47	52.08
MAX	52.10	52.19	59.07	60.75	60.07	54.11	59.69	---	---	54.47	51.80	59.28
MIN	51.67	50.09	51.47	51.51	51.67	51.53	52.20	---	---	51.53	51.38	51.34

RED RIVER BASIN

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07369365 BUSHLEY BAYOU NEAR HARRISONBURG, LA

LOCATION.--Lat 31°44'36", long 91°49'41", in SE¼NE¼ sec.23, T.9 N., R.6 E., Catahoula Parish, Hydrologic Unit 08040207, near right bank on downstream side of bridge on State Highway 124, 2.2 mi (3.5 km) south of Harrisonburg.

DRAINAGE AREA.--Indeterminate.

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

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

REMARKS.--Bushley Bayou, a former tributary of the Ouachita River, is now separated from that river by a dam at north end of the lake thus formed. Outflow from the lake drains by way of Bushley Bayou into Catahoula Lake through an overflow channel with a controlled grade with invert starting elevation at about 41 ft (12 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 52.31 ft (15.944 m) May 2, 1979; minimum, 40.33 ft (12.292 m) Nov. 3, 4, 5, 6, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 52.31 ft (15.944 m) May 2; minimum, 40.33 ft (12.292 m) Nov. 3,-4, 5, 6.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.56	40.35	40.85	46.66	47.25	46.04	46.34	52.20	48.42	42.38	41.33	40.79
2	40.55	40.34	40.85	47.69	47.08	45.92	46.57	52.22	48.31	42.18	41.26	40.77
3	40.54	40.33	40.86	47.23	47.05	48.68	46.81	52.20	48.25	42.01	42.29	40.79
4	40.54	40.34	41.25	46.35	47.08	48.27	47.77	52.20	48.01	41.86	42.21	40.77
5	40.53	40.33	41.30	45.48	47.00	47.58	47.56	52.04	47.93	41.73	42.03	40.76
6	40.54	40.33	41.28	45.10	47.14	47.11	47.83	51.99	47.78	41.62	41.87	40.77
7	40.53	40.37	41.26	46.82	48.23	47.02	48.28	51.94	47.69	41.52	41.74	40.75
8	40.51	40.36	41.25	46.98	47.79	46.93	48.77	51.95	47.51	41.47	41.62	40.73
9	40.50	40.36	41.96	46.39	47.39	46.90	49.20	51.97	47.28	41.49	41.51	40.70
10	40.49	40.35	41.96	45.59	47.05	47.02	49.35	52.01	47.15	41.44	41.42	40.69
11	40.48	40.36	41.86	44.89	46.91	47.10	49.81	52.02	46.90	41.37	41.34	40.67
12	40.48	40.36	41.76	44.30	46.78	47.06	50.06	52.06	46.72	41.34	41.27	40.66
13	40.48	40.36	41.68	43.83	46.59	47.08	50.14	51.93	46.61	41.77	41.21	40.65
14	40.46	40.36	41.58	43.43	46.36	47.09	50.16	51.92	46.45	42.23	41.15	40.63
15	40.44	40.37	41.52	43.11	46.17	46.88	50.31	51.82	46.25	42.07	41.11	40.60
16	40.42	40.45	41.46	42.86	45.85	46.77	50.44	51.66	46.04	41.93	41.07	40.59
17	40.41	40.52	41.40	42.65	45.39	46.76	50.54	51.48	45.86	41.79	41.03	40.58
18	40.40	40.49	41.35	42.69	45.62	46.72	50.62	51.33	45.64	41.66	41.00	40.73
19	40.39	40.50	41.31	42.99	45.62	46.65	50.61	51.20	45.38	41.56	40.97	40.72
20	40.39	40.51	41.29	50.09	45.30	46.59	50.65	51.01	45.15	41.68	40.94	40.90
21	40.39	40.50	41.28	49.82	45.31	46.48	50.53	50.74	44.92	41.59	40.91	46.71
22	40.38	40.50	41.24	48.73	45.07	46.33	50.77	50.47	44.66	41.61	40.89	47.02
23	40.38	40.51	41.20	47.86	45.88	46.48	51.33	50.27	44.43	41.52	40.86	46.42
24	40.37	40.52	41.19	47.21	49.17	46.48	51.25	49.94	44.19	41.43	40.95	45.56
25	40.37	40.51	41.14	46.63	48.60	46.31	51.37	49.66	43.92	41.38	40.92	44.77
26	40.38	40.52	41.12	46.43	47.81	46.12	51.62	49.44	43.64	41.36	40.91	44.10
27	40.38	40.65	41.06	47.03	47.01	46.14	51.75	49.32	43.35	41.68	40.89	43.56
28	40.37	40.66	41.06	47.07	46.36	46.11	51.80	49.05	43.07	41.65	40.87	43.12
29	40.36	40.74	41.04	46.90	---	46.15	52.03	48.75	42.80	41.56	40.84	42.78
30	40.35	40.84	41.63	46.82	---	46.27	52.15	48.71	42.57	41.48	40.82	42.50
31	40.35	---	43.81	47.40	---	46.33	---	48.60	---	41.40	40.81	---
MEAN	40.44	40.46	41.41	46.03	46.75	46.75	49.88	51.04	45.90	41.67	41.23	42.03
MAX	40.56	40.84	43.81	50.09	49.17	48.68	52.15	52.22	48.42	42.38	42.29	47.02
MIN	40.35	40.33	40.85	42.65	45.07	45.92	46.34	48.60	42.57	41.34	40.81	40.58

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 (4.8 km) northwest of village of Lake Providence.

DRAINAGE AREA.--18.7 mi² (48.4 km²).

PERIOD OF RECORD.--Water years 1962, 1969, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
DEC 19...	1315	190	7.9	11.5	0	2	10.0	3.9	<5	K400	81	0
FEB 13...	1715	173	7.5	6.5	80	55	12.0	3.4	K8	88	69	0
APR 10...	1840	173	7.3	18.0	20	60	9.3	1.6	K50	110	71	0
JUN 26...	0840	187	8.4	26.5	15	15	10.4	2.3	K56	<4	73	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (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)
DEC 19...	21	7.0	8.2	17	.4	4.4	120	0	98	3.4	4.9	.1
FEB 13...	18	5.8	6.6	16	.3	3.7	96	0	79	5.5	4.0	.1
APR 10...	19	5.7	5.9	15	.3	3.8	90	0	74	3.9	3.9	.1
JUN 26...	19	6.1	5.6	14	.3	3.7	99	1	83	5.2	3.5	.1

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS P04)	PHOSPHORUS, TOTAL (MG/L AS P04)
DEC 19...	3.0	111	111	.15	.38	.62	1.0	4.4	.03	--	--
FEB 13...	3.4	104	95	.14	.40	.69	1.1	4.8	.15	--	--
APR 10...	4.1	107	91	.15	.74	.46	1.2	5.3	.34	1.0	1.0
JUN 26...	5.0	105	98	.14	.30	.14	.44	1.9	.07	.21	.21

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 AS Cr)	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)
FEB 13...	2	19	0	0	12	0	9	20	60	20000	3

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

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

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
FEB 13...	20	0	320	.1	.05	10	30	7.3	.00	1	.0

DATE	PCB, 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)	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)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 13...	0	.00	.0	.0	0	.00	18	.02	120	.00	.0

DATE	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)	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)
FEB 13...	.00	.0	.00	.5	.00	.00	.8	.00	.0	.00	.2

DATE	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)	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)
FEB 13...	.00	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 13...	.00	.0	.00	0	0	.00	.0	.05	.12	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
26...	0840	.0	187	8.4	26.5	10.4
26...	0841	.0	205	8.8	26.5	10.4
26...	0842	5.0	210	8.6	26.5	10.2
26...	0843	10	210	8.6	26.0	9.2
26...	0844	15	210	7.4	25.0	4.6
26...	0845	20	215	7.2	23.0	.5
26...	0846	25	220	7.2	22.0	.0
26...	0847	27	220	7.2	22.0	.0

RED RIVER BASIN

07369455 BRUSHY BAYOU AT TALLULAH, LA

LOCATION.--Lat 32°23'52", long 91°11'57", on line between secs.31 and 32, T.16 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, at bridge on U.S. Highway 65 at Tallulah, 0.9 mi (1.5 km) upstream from control structure, and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1974 to current year (elevations only).

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

REMARKS.--Reservoir is formed by earthfill dam on Brushy Bayou. Reservoir elevations are regulated by a drop inlet structure with crest elevation controlled by movable stop logs. The elevation can vary from 62.0 to 75.0 ft (18.90 to 22.86 m) by use of the stop logs. Reservoir is used for flood control and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 75.53 ft (23.022 m) Dec. 2, 3, 1977; minimum, 69.57 ft (21.205 m) Oct. 20, 1975 (regulated).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.35 ft (22.967 m) Jan. 26; minimum, 69.86 ft (21.293 m) Apr. 9 (regulated).

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.89	71.44	71.58	73.70	75.14	74.53	74.02	71.59	71.88	71.72	72.25	70.93
2	71.87	71.43	71.58	73.80	75.12	74.41	74.03	71.33	71.91	71.72	72.22	71.14
3	71.84	71.42	71.58	73.84	75.17	75.12	72.83	71.52	71.83	71.73	72.31	71.21
4	71.86	71.41	71.98	73.87	75.14	75.07	72.38	72.10	71.73	71.76	72.15	71.26
5	71.84	71.40	72.09	73.95	75.10	75.06	72.04	72.29	71.70	71.77	72.05	71.33
6	71.84	71.39	72.16	74.07	75.12	74.63	71.61	72.34	71.64	71.79	71.96	71.36
7	71.82	71.42	72.19	74.29	75.03	74.16	71.03	72.25	71.58	71.86	71.88	71.34
8	71.80	71.41	72.18	74.27	74.91	73.70	70.38	72.10	71.51	72.18	71.78	71.30
9	71.78	71.41	72.56	74.29	74.84	73.24	70.03	72.35	71.43	72.50	71.68	71.23
10	71.75	71.40	72.70	74.28	74.80	72.79	71.82	72.16	71.35	72.33	71.58	71.17
11	71.74	71.40	72.70	74.26	74.75	72.50	72.68	71.69	71.25	72.13	71.48	71.10
12	71.72	71.39	72.66	74.22	74.69	72.10	73.27	71.18	71.16	72.08	71.39	71.03
13	71.70	71.38	72.62	74.20	74.63	71.61	74.85	70.72	71.07	72.11	71.31	70.93
14	71.69	71.38	72.58	74.13	74.57	71.10	74.97	72.05	71.38	72.15	71.25	70.87
15	71.67	71.38	72.55	74.10	74.22	71.78	75.01	72.30	71.57	72.16	71.19	70.79
16	71.65	71.42	72.53	74.06	73.90	72.19	75.06	71.79	71.59	72.12	71.13	70.69
17	71.63	71.43	72.49	73.90	73.64	72.31	74.73	71.37	71.56	72.06	71.07	70.60
18	71.61	71.43	72.47	73.86	73.72	72.28	74.48	71.51	71.51	71.97	71.03	70.67
19	71.60	71.42	72.46	73.90	73.70	72.13	74.03	71.56	71.45	71.88	70.95	70.61
20	71.58	71.42	72.45	75.11	73.61	71.94	73.48	71.48	71.51	71.81	70.89	70.67
21	71.57	71.41	72.42	75.09	73.68	71.65	72.89	71.36	71.50	71.73	70.80	73.09
22	71.56	71.41	72.42	75.13	73.63	71.37	72.52	71.56	71.39	71.63	70.79	73.29
23	71.55	71.41	72.40	75.16	73.91	71.07	72.89	71.69	71.43	71.53	71.37	73.39
24	71.53	71.41	72.37	75.17	74.62	70.79	---	71.62	71.60	71.45	71.58	73.46
25	71.52	71.40	72.37	75.17	74.72	70.47	73.85	71.51	71.75	71.47	71.49	73.51
26	71.51	71.39	72.36	75.21	74.70	70.58	73.80	71.37	71.79	71.56	71.39	72.78
27	71.50	71.49	72.34	75.27	74.67	72.55	72.15	71.24	71.80	71.71	71.29	72.11
28	71.49	71.48	72.33	75.23	74.62	73.51	72.24	71.09	71.79	71.91	71.20	71.39
29	71.47	71.54	72.33	75.21	---	73.85	71.98	70.98	71.75	72.11	71.12	72.24
30	71.46	71.58	72.43	75.16	---	73.96	71.59	71.70	71.77	72.23	71.04	72.68
31	71.45	---	72.63	75.16	---	74.09	---	71.85	---	72.26	70.96	---
MEAN	71.66	71.42	72.34	74.49	74.51	72.79	---	71.67	71.57	71.92	71.44	71.61
MAX	71.89	71.58	72.70	75.27	75.17	75.12	75.06	72.35	71.91	72.50	72.31	73.51
MIN	71.45	71.38	71.58	73.70	73.61	70.47	70.03	70.72	71.07	71.45	70.79	70.60

RED RIVER BASIN

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07369457 LOWER ROUNDWAY BAYOU TRIBUTARY NEAR TALLULAH, LA

LOCATION.--Lat 32°22'33", long 91°11'57", on line between secs.43 and 44, T.16 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, near center of bridge on U.S. Highway 65, 1.5 mi (2.4 km) south of Tallulah.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1974 to current year (elevations only).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 73.62 ft (22.439 m) June 11, 1975; minimum, 64.92 ft (19.788 m) Sept. 7, 8, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 72.62 ft (22.135 m) Jan. 11; minimum, 65.06 ft (19.830 m) Dec. 15.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979 -
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.12	66.21	---	69.65	70.23	68.75	66.13	66.67	66.04	65.91	65.47	65.77
2	66.11	66.21	---	66.41	69.68	68.27	66.40	66.40	65.79	65.92	65.53	65.82
3	66.13	66.21	---	66.05	69.33	70.90	67.76	66.10	65.67	65.90	65.81	65.82
4	66.19	66.21	---	65.87	68.99	70.59	68.42	68.21	65.66	65.94	65.68	65.80
5	66.21	66.21	---	65.77	68.49	70.30	68.04	69.11	65.67	65.90	65.68	65.81
6	66.22	66.30	---	65.67	68.22	69.98	67.57	69.11	65.75	65.88	65.64	65.80
7	66.21	66.28	66.10	65.69	69.17	69.54	66.99	68.92	65.77	65.91	65.64	65.79
8	66.22	66.26	65.78	66.16	68.77	69.15	66.49	68.55	65.78	66.55	65.67	65.76
9	66.20	66.14	67.02	69.24	68.35	68.79	66.11	68.18	65.80	66.37	65.74	65.78
10	66.23	66.23	66.90	72.18	67.96	68.47	65.76	67.75	65.81	66.04	65.75	65.87
11	66.22	66.20	66.58	72.58	67.61	68.38	65.71	67.30	65.83	65.69	65.76	65.92
12	66.18	66.17	66.19	72.44	67.19	68.05	65.90	67.16	65.82	66.25	65.77	65.83
13	66.19	66.14	65.80	72.30	66.85	67.73	70.86	66.99	65.84	66.11	65.80	65.82
14	66.22	66.12	65.16	72.07	66.63	67.49	70.93	66.44	65.87	65.84	65.80	65.79
15	66.24	66.11	65.07	71.75	66.81	66.82	70.80	66.36	65.89	65.74	65.81	65.77
16	66.22	66.13	65.19	71.63	66.74	66.75	70.43	66.36	65.89	65.70	65.80	65.75
17	66.21	66.14	65.51	71.91	66.65	66.75	70.05	66.19	65.92	65.60	65.79	65.74
18	66.20	66.10	65.61	71.56	67.81	66.72	69.55	65.99	65.97	65.73	65.78	65.88
19	66.18	66.10	65.75	71.16	67.52	66.70	69.09	66.00	65.92	65.75	65.80	65.87
20	66.18	66.10	65.83	---	67.25	66.78	68.57	65.98	65.95	65.76	65.83	65.90
21	66.28	66.11	65.80	---	67.66	66.65	68.00	65.89	65.96	65.76	65.83	65.72
22	66.22	66.11	65.81	---	67.49	66.58	68.05	65.84	65.94	65.82	65.85	65.69
23	66.22	66.11	65.84	---	68.24	66.65	69.33	65.79	65.95	65.82	66.62	65.73
24	66.22	66.11	65.87	---	70.29	66.60	70.15	65.78	65.99	65.81	66.86	65.74
25	66.22	---	65.87	---	70.39	66.46	69.96	65.70	66.02	65.87	65.97	65.79
26	66.22	---	65.90	---	70.12	66.19	69.61	65.63	65.99	66.21	65.73	---
27	66.22	---	65.91	---	69.73	65.65	69.37	65.61	65.97	66.39	65.70	---
28	66.22	---	65.93	---	69.27	65.67	68.60	65.67	65.93	66.21	65.71	---
29	66.21	---	65.95	---	---	65.70	67.95	65.72	65.91	65.93	65.70	---
30	66.21	---	66.12	---	---	65.78	67.28	65.84	65.93	65.62	65.70	---
31	66.20	---	66.86	70.78	---	65.85	---	66.27	---	65.44	65.76	---
MEAN	66.20	---	---	---	68.34	67.57	68.33	66.69	65.87	65.92	65.81	---
MAX	66.28	---	---	72.58	70.39	70.90	70.93	69.11	66.04	66.55	66.86	---
MIN	66.11	---	65.07	65.67	66.63	65.65	65.71	65.61	65.66	65.44	65.47	---

RED RIVER BASIN

07369468 PANOLA BAYOU AT TALLULAH, LA

LOCATION.--Lat 32°25'02", long 91°12'24", in SW 1/4 sec.35, T.17 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, at bridge on U.S. Highway 80, 1.9 mi (3.1 km) upstream from flood gates on Roundaway Bayou, 0.4 mi (0.6 km) upstream from Illinois Central Railroad, and 0.2 mi (0.3 km) northeast of Tallulah.

DRAINAGE AREA.--Not determined.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 74.72 ft (22.775 m) May 8, 1978; minimum, 61.84 ft (18.849 m) Dec. 26, 1978 (regulated).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 73.70 ft (22.464 m) Jan. 20; minimum, 61.84 ft (18.849 m) Dec. 26 (regulated).

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.00	62.02	61.96	72.12	69.08	67.38	---	64.67	63.23	62.73	62.65	62.54
2	61.98	62.05	61.91	69.67	68.61	66.51	---	63.75	63.14	62.71	62.67	64.27
3	61.97	62.02	61.94	68.91	68.21	72.05	---	63.13	63.03	62.68	63.69	63.48
4	62.01	62.01	64.69	68.24	67.67	69.81	---	67.05	62.98	62.68	63.06	62.97
5	61.99	62.02	62.92	67.43	66.88	69.25	---	67.97	63.24	62.65	62.82	62.79
6	62.02	62.03	62.38	67.40	66.18	68.55	---	67.91	64.01	62.65	62.71	62.68
7	62.02	62.09	62.16	69.46	68.37	67.81	---	67.47	63.34	63.14	62.62	62.61
8	61.97	62.02	62.06	68.13	67.49	67.04	---	66.88	63.10	62.89	62.60	62.57
9	61.98	61.94	63.94	67.36	66.83	66.22	---	66.18	62.99	63.20	62.59	62.53
10	61.99	61.96	62.97	66.48	65.98	65.37	---	65.39	62.97	62.95	62.58	62.52
11	61.98	62.00	62.52	65.50	65.08	65.02	---	64.60	62.88	62.75	62.62	62.51
12	62.02	61.98	62.28	64.40	64.13	64.30	---	64.03	62.84	63.47	62.59	62.51
13	62.01	61.95	62.17	63.23	63.24	63.64	---	63.78	62.79	63.24	62.56	62.51
14	62.01	61.98	62.15	62.35	62.69	63.13	---	63.64	62.79	62.91	62.57	62.52
15	62.02	61.97	62.06	62.18	62.50	62.81	---	63.56	62.79	62.78	62.54	62.51
16	62.01	62.02	62.05	62.20	62.37	62.58	---	63.50	62.81	62.71	62.56	62.50
17	62.03	62.05	62.01	62.14	62.31	62.52	---	63.42	62.80	62.67	62.55	62.50
18	62.03	62.01	61.96	62.37	66.24	62.48	---	63.35	62.77	62.65	62.53	62.85
19	62.00	61.99	61.96	63.00	64.10	62.44	---	63.32	62.76	62.63	62.54	62.66
20	62.00	61.97	61.99	73.61	63.71	62.47	---	63.29	62.73	62.68	62.53	62.79
21	62.02	61.95	61.96	72.84	65.08	62.40	---	63.24	62.74	62.66	62.50	70.11
22	61.99	61.99	61.91	72.22	64.46	62.41	---	63.22	62.77	62.70	62.61	66.79
23	61.97	62.01	61.90	72.01	66.83	62.48	---	63.21	62.73	62.67	63.52	65.06
24	62.00	62.00	61.92	71.77	70.20	62.43	---	63.18	62.74	62.63	63.50	63.75
25	62.02	62.00	61.87	71.35	70.00	62.39	69.39	63.16	63.02	62.83	63.04	63.13
26	62.03	62.00	61.86	71.05	69.41	62.33	68.91	63.13	63.06	63.03	62.85	62.94
27	62.00	62.10	61.86	71.65	68.83	62.28	68.37	63.09	62.85	63.34	62.73	62.85
28	62.01	61.92	61.87	71.12	68.15	62.22	67.52	63.05	62.77	62.97	62.65	62.76
29	62.02	61.95	61.88	70.63	---	62.23	66.66	63.07	62.67	62.82	62.60	62.68
30	61.99	62.17	62.17	70.03	---	62.21	65.70	63.17	62.74	62.70	62.56	62.63
31	62.00	---	65.15	70.01	---	62.30	---	63.45	---	62.68	62.52	---
MEAN	62.00	62.01	62.34	68.09	66.24	64.42	---	64.25	62.94	62.83	62.73	63.25
MAX	62.03	62.17	65.15	73.61	70.20	72.05	---	67.97	64.01	63.47	63.69	70.11
MIN	61.97	61.92	61.86	62.14	62.31	62.21	---	63.05	62.67	62.63	62.50	62.50

RED RIVER BASIN

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07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW¼ 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 (61 m) upstream from Illinois Central Railroad bridge, and 3 mi (5 km) east of Waverly.

DRAINAGE AREA.--309 mi² or 800 km² (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 (15.261 m) National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft (305 m) 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 (station 07369515) used as auxiliary gage for this station. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records good. 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.--43 years (water years 1936-79), 330 ft³/s (9.35 m³/s), 239,100 acre-ft/yr (295 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s (131 m³/s) Nov. 19, 1948; maximum gage height, 24.91 ft (7.593 m) June 12, 1975; minimum daily discharge, 2.8 ft³/s (0.079 m³/s) Dec. 8, 1954, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 34.02 ft (10.369 m) since May 15, 1927 (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,800 ft³/s (108 m³/s) Jan. 21; maximum gage height, 23.73 ft (7.233 m) Jan. 22; minimum discharge, 7.6 ft³/s (0.22 m³/s) Oct. 16, 17, 18, 19, gage height, 5.61 ft (1.710 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.6	17	1000	1720	900	152	260	99	122	474	37
2	10	9.4	16	2000	1500	1200	450	230	98	124	394	38
3	9.8	9.4	21	2300	1330	1500	884	210	120	100	321	38
4	11	9.3	158	1000	1250	1700	1390	400	180	78	261	37
5	12	8.9	411	900	1090	1800	1300	700	250	64	209	37
6	12	9.2	332	1100	844	1400	993	800	300	61	161	37
7	11	10	190	1700	1420	1100	806	700	320	62	127	35
8	10	10	195	1200	1480	800	680	640	340	64	103	35
9	9.2	9.4	634	1000	1210	569	979	540	320	115	83	32
10	8.5	9.8	626	900	1130	503	1280	480	300	283	67	31
11	8.2	10	521	840	1020	479	1080	420	290	298	56	30
12	8.2	10	356	800	863	459	1260	450	260	254	49	29
13	8.9	10	218	750	722	407	2630	440	230	218	45	29
14	9.7	10	138	710	566	360	2800	400	203	175	46	30
15	8.5	10	97	680	435	288	2770	340	173	227	48	29
16	8.8	12	67	660	282	217	2000	300	141	362	49	27
17	8.1	13	46	640	261	170	1200	260	120	298	48	28
18	7.8	12	34	630	293	141	850	230	103	206	47	30
19	8.1	12	28	900	359	120	720	210	90	148	46	30
20	8.5	12	25	2000	340	105	600	190	79	118	46	93
21	9.1	11	24	3800	373	93	570	170	67	109	47	294
22	10	11	21	3600	700	84	540	160	68	92	53	330
23	12	11	20	3100	1200	99	920	150	99	72	57	232
24	12	11	19	2900	1840	139	1000	140	135	58	50	150
25	11	11	18	2760	2740	136	950	130	156	53	49	99
26	12	13	17	2590	3030	118	760	125	182	147	48	64
27	12	16	17	2660	2600	103	560	120	185	692	45	45
28	11	15	16	2580	1500	90	480	115	175	774	44	36
29	11	17	17	2390	---	79	400	110	147	747	42	31
30	9.5	19	31	2150	---	71	330	105	122	707	41	27
31	9.7	---	350	1970	---	71	---	100	---	579	39	---
TOTAL	308.6	341.0	4680	52210	32098	15301	31334	9625	5352	7407	3195	2020
MEAN	9.95	11.4	151	1684	1146	494	1044	310	178	239	103	67.3
MAX	12	19	634	3800	3030	1800	2800	800	340	774	474	330
MIN	7.8	8.9	16	630	261	71	152	100	67	53	39	27
CFSM	.03	.04	.49	5.45	3.71	1.60	3.38	1.00	.58	.77	.33	.22
IN	.04	.04	.56	6.29	3.86	1.84	3.77	1.16	.64	.89	.38	.24
AC-FT	612	676	9280	103600	63670	30350	62150	19090	10620	14690	6340	4010

CAL YR 1978	TOTAL	82464.6	MEAN	226	MAX	3260	MIN	7.8	CFSM	.73	IN	9.93	AC-FI	163600
WTR YR 1979	TOTAL	163871.6	MEAN	449	MAX	3800	MIN	7.8	CFSM	1.45	IN	19.73	AC-FI	325000

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.67	5.64	5.77	16.32	19.51	17.16	7.38	---	---	6.97	9.87	5.94
2	5.65	5.64	5.76	19.09	18.39	16.10	9.88	---	---	7.00	9.08	5.94
3	5.65	5.64	5.83	18.68	17.52	16.90	13.37	---	---	6.71	8.59	5.94
4	5.66	5.64	7.82	17.46	16.85	17.84	15.83	---	---	6.43	8.19	5.94
5	5.69	5.63	9.47	16.19	15.92	17.11	15.81	---	---	6.25	7.83	5.94
6	5.69	5.64	8.99	16.06	15.43	16.01	14.75	---	---	6.21	7.44	5.93
7	5.67	5.66	8.05	18.21	17.03	15.02	13.68	---	---	6.22	7.10	5.91
8	5.66	5.65	8.13	18.64	16.98	14.04	12.71	---	---	6.25	6.81	5.90
9	5.64	5.64	10.80	17.62	15.90	13.07	13.82	---	---	6.90	6.57	5.86
10	5.63	5.65	11.16	16.31	14.74	12.08	15.19	---	---	8.45	6.36	5.84
11	5.62	5.65	10.20	15.05	13.60	11.38	14.63	---	---	8.60	6.21	5.83
12	5.62	5.66	9.16	13.84	12.49	10.62	15.57	---	---	8.34	6.10	5.82
13	5.63	5.66	8.32	12.68	11.37	9.79	20.75	---	---	8.15	6.05	5.82
14	5.65	5.65	7.64	11.58	10.31	9.08	21.91	---	7.80	7.87	6.06	5.83
15	5.62	5.65	7.07	10.59	9.46	8.48	22.11	---	7.49	8.30	6.09	5.82
16	5.63	5.68	6.62	9.76	8.77	8.00	---	---	7.19	9.20	6.10	5.79
17	5.62	5.70	6.26	9.10	8.30	7.63	---	---	6.95	8.86	6.09	5.80
18	5.61	5.69	6.06	8.62	9.72	7.36	---	---	6.75	8.05	6.08	5.84
19	5.62	5.68	5.95	11.39	10.83	7.13	---	---	6.58	7.43	6.06	5.83
20	5.63	5.68	5.90	20.97	10.74	6.95	---	---	6.44	7.10	6.06	6.59
21	5.63	5.67	5.88	23.50	12.71	6.80	---	---	6.29	7.00	6.08	8.41
22	5.65	5.67	5.84	23.72	13.22	6.69	---	---	6.30	6.79	6.16	8.65
23	5.69	5.66	5.81	23.65	15.50	6.88	---	---	6.69	6.54	6.16	8.10
24	5.69	5.67	5.79	23.35	19.72	7.34	---	---	7.12	6.35	6.12	7.44
25	5.67	5.66	5.78	22.81	20.61	7.31	---	---	7.34	6.28	6.11	6.87
26	5.69	5.69	5.77	22.42	20.29	7.11	---	---	7.58	7.29	6.09	6.42
27	5.68	5.75	5.77	22.57	19.39	6.93	---	---	7.61	11.07	6.05	6.16
28	5.67	5.74	5.76	22.29	18.29	6.76	---	---	7.50	12.07	6.03	6.03
29	5.66	5.77	5.77	21.74	---	6.62	---	---	7.25	11.91	6.01	5.96
30	5.64	5.79	6.00	21.08	---	6.52	---	---	6.97	11.74	5.99	5.90
31	5.64	---	9.08	20.45	---	6.52	---	---	---	10.86	5.97	---
MEAN	5.65	5.67	7.17	17.60	14.77	10.23	---	---	---	7.97	6.63	6.27
MAX	5.69	5.79	11.16	23.72	20.61	17.84	---	---	---	12.07	9.87	8.65
MIN	5.61	5.63	5.76	8.62	8.30	6.52	7.38	---	6.29	6.21	5.97	5.79

RED RIVER BASIN

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07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to current year.

WATER TEMPERATURES: October 1967 to September 1968, April 1975 to current year.

INSTRUMENTATION.--Water-quality monitor since April 1975.

REMARKS.--The temperature range for the water-quality monitor is 0°C to 36.5°C.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 751 micromhos Nov. 1, 1967; minimum, 42 micromhos May 29, 1978.

WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sep. 1, 1977; minimum daily, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 652 micromhos Sep. 10; minimum, 100 micromhos Jan. 22.

WATER TEMPERATURES: Maximum, 35.0°C Aug. 29, 30, Sep. 4; minimum, 10.0°C Mar. 11.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT										
19...	0915	431	583	7.8	15.5	5	25	24	8.6	2.4
NOV										
22...	1000	432	664	7.9	15.5	10	20	21	8.7	3.4
DEC										
19...	1035	451	288	7.5	11.0	70	120	140	9.0	3.7
JAN										
04...	0930	1479	131	6.9	6.0	120	170	140	11.1	3.6
FEB										
13...	1500	848	112	7.3	7.0	100	320	540	9.6	2.1
MAR										
07...	0830	--	97	6.9	14.0	150	85	580	8.7	5.8
APR										
10...	1545	1254	76	6.7	18.0	120	400	--	7.7	3.5
MAY										
15...	1200	950	145	7.4	25.0	200	200	270	7.4	3.9
JUN										
06...	0830	569	359	7.4	27.0	5	25	22	4.7	.7
JUL										
18...	1645	623	186	7.4	30.5	25	100	80	5.5	4.9
AUG										
08...	0800	547	264	7.1	29.5	15	55	58	6.7	.7
SEP										
06...	0845	448	576	7.6	27.0	10	10	13	5.1	5.0

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DISE- SOLVED (MG/L AS CA)	MAGNE- SIUM, DISE- SOLVED (MG/L AS MG)	SODIUM, DISE- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DISE- SOLVED (MG/L AS NA)	POTAS- SIUM, DISE- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
OCT 19...	K70	--	240	0	62	21	36	24	1.0	--	4.6	318
NOV 22...	190	96	260	0	68	23	41	25	1.1	--	4.3	390
DEC 19...	380	1600	110	0	28	8.8	13	20	.6	--	4.7	130
JAN 04...	740	K30000	43	4	11	3.8	5.9	21	.4	--	4.1	48
FEB 13...	K150	2900	47	2	13	3.5	3.8	14	.2	--	2.5	55
MAR 07...	240	K2400	40	0	12	2.4	3.8	16	.3	--	2.3	50
APR 10...	K1700	11000	33	5	9.4	2.3	2.3	12	.2	--	2.7	34
MAY 15...	K100	200	80	0	21	6.7	6.5	14	.3	11	4.2	100
JUN 06...	350	580	160	0	41	13	14	16	.5	--	3.9	200
JUL 18...	K120	K60	71	0	14	5.8	5.9	14	.3	9.8	3.9	96
AUG 08...	K60	--	110	0	30	8.5	11	17	.4	--	4.4	145
SEP 06...	--	K120	230	0	58	20	31	23	.9	35	4.1	330

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DISE- SOLVED (MG/L AS CO2)	SULFATE DISE- SOLVED (MG/L AS SO4)	CHLO- RIDE, DISE- SOLVED (MG/L AS CL)	FLUO- RIDE, DISE- SOLVED (MG/L AS F)	SILICA, DISE- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISE- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISE- SOLVED (MG/L)	SOLIDS, DISE- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DISE- SOLVED (MG/L AS N)
OCT 19...	0	261	8.1	11	31	.2	19	339	342	.46	.01	--
NOV 22...	0	320	7.9	11	30	.2	18	382	388	.52	.01	--
DEC 19...	0	107	6.6	24	12	.1	12	177	167	.24	.80	--
JAN 04...	0	39	9.7	9.2	5.8	.1	8.4	88	72	.12	1.1	--
FEB 13...	0	45	4.4	7.5	2.3	.1	6.7	69	67	.09	.58	--
MAR 07...	0	41	10	3.5	2.5	.1	6.4	64	58	.09	.42	--
APR 10...	0	28	11	6.2	1.9	.1	5.1	54	47	.07	.59	--
MAY 15...	0	82	6.4	6.7	4.5	.2	7.5	120	107	.16	.63	--
JUN 06...	0	164	13	10	9.3	.2	9.8	214	200	.29	.82	--
JUL 18...	0	79	6.1	6.7	4.8	.1	9.1	109	103	.15	.45	--
AUG 08...	0	119	19	11	8.2	.2	12	161	145	.22	.53	--
SEP 06...	0	271	13	11	15	.3	21	339	323	.46	.04	.04

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

RED RIVER BASIN

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07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N+4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT								
19...	.11	--	--	--	--	1.2	--	--
NOV								
22...	.08	--	.10	.18	.00	--	.19	--
DEC								
19...	.15	--	.81	.96	.45	.51	1.8	--
JAN								
04...	.14	--	.96	1.1	.00	1.1	2.2	--
FEB								
13...	.25	--	1.1	1.3	.32	.98	1.9	--
MAR								
07...	.23	--	--	--	--	1.3	--	--
APR								
10...	.50	.61	1.6	2.1	1.1	1.0	2.7	--
MAY								
15...	.09	.11	1.2	1.3	.54	.76	1.9	--
JUN								
06...	.20	.24	.65	.85	.00	.85	1.7	--
JUL								
18...	.06	.07	.82	.88	.30	.58	1.3	--
AUG								
08...	.09	.11	.82	.91	.31	.60	1.4	--
SEP								
06...	.33	.40	.97	1.3	.00	1.3	1.3	1.3

DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDEED TOTAL (MG/L AS C)
OCT								
19...	--	.18	--	--	.17	6.1	--	--
NOV								
22...	.84	.22	--	--	.08	4.8	--	--
DEC								
19...	7.8	.32	--	--	.07	9.5	--	--
JAN								
04...	9.7	.43	--	--	.23	--	7.0	3.9
FEB								
13...	8.3	.54	--	--	.10	14	--	--
MAR								
07...	--	.47	--	--	.07	14	--	--
APR								
10...	12	.70	2.1	2.1	.08	--	6.6	110
MAY								
15...	8.5	.39	1.2	1.2	.06	10	--	--
JUN								
06...	7.4	.11	.34	.34	.08	--	--	--
JUL								
18...	5.9	.10	--	.31	.09	--	4.7	1.6
AUG								
08...	6.4	.20	--	.61	.06	9.0	--	--
SEP								
06...	5.9	.07	--	.21	.05	8.2	--	--

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)		ARSENIC SUS-PENDED TOTAL (UG/L AS AS)		ARSENIC DIS-SOLVED (UG/L AS AS)		BARIUM TOTAL RECOV-ERABLE (UG/L AS BA)		BARIUM DIS-SOLVED (UG/L AS BA)		CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)		CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)		CADMIUM DIS-SOLVED (UG/L AS CD)		CHROMIUM TOTAL RECOV-ERABLE (UG/L AS CR)		CHROMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CR)	
	AS	AS	AS	AS	AS	AS	AS	BA	AS	BA	AS	CD	AS	CD	AS	CD	AS	CR	AS	CR
OCT 19...	3		1		2		200		200		0		0		0		0		0	
JAN 04...	4		2		2		0		0		0		0		0		10		10	
APR 10...	20		17		3		200		0		0		0		0		30		30	
JUL 18...	8		4		4		200		50		1		0		1		0		0	

DATE	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	CORALI, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 19...	0	1	0	1	4	2	2	1200	1200	10
JAN 04...	0	2	2	0	19	1	18	2300	2000	280
APR 10...	0	4	4	0	22	16	6	23000	23000	160
JUL 18...	0	3	0	3	15	11	4	4000	4000	20

DATE	LEAD+ TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD+ SUS- PENDE HFCOV- ERABLE (UG/L AS PB)	LEAD+ DIS- SOLVED (UG/L AS PB)	MANGA- NESE+ TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE+ SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE+ DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 19...	0	0	0	180	120	60	.0	.0	.0
JAN 04...	6	4	2	100	80	20	.1	.1	.0
APR 10...	27	26	1	340	340	0	.2	.1	.1
JUL 18...	22	22	0	110	60	50	.2	.0	.2

DATE	SELE-	SELE-	SELE-	SILVER,	SILVER,	SILVER,	ZINC,	ZINC,	ZINC,
	NIUM, TOTAL (UG/L AS SE)	NIUM, SUS- PENDED TOTAL (UG/L AS SE)	NIUM, DIS- SOLVED (UG/L AS SE)	TOTAL RECov- ERABLE (UG/L AS AG)	SUS- PENDED RECov- ERABLE (UG/L AS AG)	DIS- SOLVED (UG/L AS AG)	TOTAL RECov- ERABLE (UG/L AS ZN)	SUS- PENDED RECov- ERABLE (UG/L AS ZN)	DIS- SOLVED (UG/L AS ZN)
OCT 19...	0	0	0	0	0	0	10	0	10
JAN 04...	1	0	1	0	0	0	40	10	30
APR 10...	1	1	0	0	0	0	110	100	10
JUL 18...	0	0	0	0	0	0	30	30	3

RED RIVER BASIN

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07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	AROCLOH TOTAL 1254 PCB SERIES (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 22...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 04...	--	.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 13...	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--
APR 10...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 18...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 06...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	--	--	--	--	--	--	--	--	--	--	115	67
NOV 22...	--	--	--	--	--	--	--	--	--	13000	89	70
DEC 19...	--	--	--	--	--	--	--	--	--	--	117	88
JAN 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	96	96
FEB 13...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	227	97
MAR 07...	--	--	--	--	--	--	--	--	--	280	286	99
APR 10...	--	--	--	--	--	--	--	--	--	--	824	96
MAY 15...	--	--	--	--	--	--	--	--	--	--	296	94
JUN 06...	--	--	--	--	--	--	--	--	--	--	142	89
JUL 18...	--	--	--	--	--	--	--	--	--	--	169	99
AUG 08...	--	--	--	--	--	--	--	--	--	--	126	97
SEP 06...	--	--	--	--	--	--	--	--	--	--	120	83

ND Material specifically analyzed for but not detected.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1					---	---	258	154				
2					---	---	166	143				
3					---	---	148	137				
4					---	---	182	147				
5					---	---	192	182				
6					---	---	191	184				
7					---	---	188	147				
8					284	250	148	130				
9					249	165	144	130				
10					201	164	152	137				
11					236	195	158	146				
12					267	232	160	154				
13					272	256	170	145				
14					301	267	169	161				
15					305	292	169	155				
16					298	275	166	148				
17					297	269	160	145				
18					289	267	171	148				
19					302	270	179	151				
20					310	288	170	117				
21					344	314	118	108				
22					352	326	106	100				
23					349	329	---	---				
24					350	330	---	---				
25					376	346	---	---				
26					388	347	---	---				
27					378	344	---	---				
28					389	354	---	---				
29					386	357	---	---				
30					387	343	---	---				
31					363	261	---	---				
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1							---	---	232	206	627	521
2							---	---	243	221	544	522
3							---	---	252	232	548	532
4							---	---	265	243	564	527
5							---	---	293	257	551	534
6							---	---	320	284	570	538
7							---	---	328	308	547	533
8							---	---	356	325	573	543
9							---	---	368	350	580	546
10							---	---	393	355	652	572
11							---	---	421	380	614	584
12							---	---	438	403	620	595
13							---	---	460	425	598	575
14							---	---	470	443	582	555
15							---	---	485	453	596	564
16							---	---	520	473	590	563
17							---	---	534	496	582	541
18							199	161	534	500	557	540
19							239	199	526	495	551	534
20							261	233	505	486	539	220
21							302	264	519	498	478	375
22							309	263	---	---	385	265
23							303	261	---	---	314	289
24							344	301	526	501	330	286
25							377	332	531	511	350	318
26							367	346	514	496	357	336
27							351	156	495	481	377	341
28							161	143	535	492	401	341
29							180	148	535	519	407	382
30							181	170	542	528	426	384
31							208	175	536	521	---	---

07369500 TENSAS RIVER AT TENDAL, LA--Conitnued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	19.5	21.0	18.0	14.0	12.5					---	---
2	27.0	20.0	22.0	17.5	15.5	12.5					---	---
3	27.0	21.5	21.5	16.5	17.5	14.5					---	---
4	25.5	21.0	19.5	16.0	16.5	14.0					---	---
5	24.0	21.0	19.5	16.0	14.0	11.0					---	---
6	22.0	19.5	16.5	16.0	11.0	10.5					---	---
7	21.5	18.5	16.5	14.0	---	---					---	---
8	22.0	17.5	15.5	13.0	---	---					---	---
9	20.5	17.5	14.0	12.0	---	---					12.5	11.0
10	21.0	16.5	14.0	12.0	---	---					12.5	11.0
11	19.5	17.0	16.0	13.5	---	---					12.0	10.0
12	21.0	18.5	18.5	14.0	---	---					11.5	11.0
13	24.0	19.5	17.0	16.0	---	---					12.5	11.0
14	19.5	17.5	18.0	16.0	---	---					14.5	12.0
15	18.5	16.0	18.0	16.5	---	---					13.5	13.0
16	18.5	16.0	19.0	16.5	---	---					13.0	12.0
17	18.5	14.5	18.5	16.5	---	---					14.0	11.5
18	19.0	14.0	17.5	15.5	---	---					14.5	13.5
19	21.0	14.0	16.0	14.5	---	---					16.5	14.5
20	20.0	15.5	15.5	14.5	---	---					17.5	16.0
21	22.0	15.0	16.0	14.0	---	---					19.5	18.0
22	19.0	16.0	17.0	14.5	---	---					19.0	18.5
23	22.0	16.0	17.0	15.5	---	---					18.5	17.0
24	20.5	18.0	18.5	16.0	---	---					16.5	15.0
25	19.0	18.0	17.0	15.5	---	---					15.0	14.0
26	19.5	18.5	16.5	15.5	---	---					15.0	13.0
27	19.5	17.0	16.5	15.0	---	---					15.5	14.5
28	18.5	16.0	15.0	13.5	---	---					18.0	15.5
29	18.5	15.5	13.5	12.5	---	---					18.5	17.5
30	19.0	15.5	13.0	12.5	---	---					20.0	18.0
31	21.0	16.0	---	---	---	---					20.0	19.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.0	19.5							---	---	30.5	26.0
2	21.0	19.5							---	---	33.0	27.0
3	19.0	16.0							---	---	30.5	26.5
4	16.5	14.5							---	---	35.0	26.0
5	16.5	15.5							---	---	33.0	26.5
6	18.0	16.0							---	---	34.5	25.5
7	18.5	17.5							---	---	34.5	25.5
8	18.5	18.0							---	---	28.5	26.5
9	18.0	17.5							---	---	27.5	23.0
10	18.0	17.0							---	---	33.0	24.0
11	19.0	18.0							---	---	28.5	22.0
12	19.0	18.5							---	---	27.5	23.0
13	20.5	19.0							---	---	26.0	24.0
14	21.0	20.0							---	---	25.0	22.0
15	21.0	21.0							---	---	23.5	21.5
16	22.0	21.0							---	---	23.0	20.0
17	---	---							---	---	23.0	20.5
18	---	---							---	---	23.5	20.5
19	---	---							---	---	23.0	21.0
20	---	---							---	---	21.5	20.0
21	---	---							---	---	21.5	20.0
22	---	---							---	---	22.0	20.0
23	---	---							29.0	27.0	22.0	20.0
24	---	---							30.0	27.0	22.0	19.5
25	---	---							30.0	27.5	22.0	19.5
26	---	---							29.0	26.5	23.0	20.5
27	---	---							33.0	26.5	23.0	20.5
28	---	---							30.0	27.0	23.5	19.0
29	---	---							35.0	27.0	25.0	21.0
30	---	---							35.0	28.5	29.5	20.5
31	---	---							34.0	28.0	---	---

RED RIVER BASIN

07369500 TENSAS RIVER AT TENDAL, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MARCH 1979

DATE	NOV 22,78	MAR 7,79
TIME	1000	0830
TOTAL CELLS/ML	13000	280
DIVERSITY: DIVISION	1.7	1.5
..CLASS	1.7	1.5
..ORDER	2.1	2.0
...FAMILY	2.1	2.4
....GENUS	2.7	2.6

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....OOCYSTACEAE				
....ANKISTRODESMUS	400	3	--	-
....CHODATELLA	99	1	--	-
....DICTYOSPHAERIUM	--	-	55#	20
....SELENASTRUM	99	1	--	-
....TETRAEDRON	99	1	--	-
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CARTERIA	2700#	20	--	-
....CHLAMYDOMONAS	200	2	--	-
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...COSCINODISCAEAE				
....CYCLOTELLA	300	2	28	10
....MELOSIRA	200	2	14	5
..PENNALES				
...NITZSCHIAEAE				
....NITZSCHIA	--	-	42	15
...SURIRELLACEAE				
....SURIRELLA	--	-	83#	30
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
....ANACYSTIS	2400#	18	--	-
...HORMOGONALES				
...OSCILLATORIAEAE				
....OSCILLATORIA	700	5	--	-
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
....EUGLENAEAE				
....EUGLENA	1100	8	--	-
....PHACUS	200	2	--	-
....TRACHELOMONAS	4700#	36	42	15
PYRRHOPHYTA (FIRE ALGAE)				
..DINOPHYCEAE				
...PERIDINIALES				
....PERIDINIAEAE				
....PERIDINIUM	--	-	14	5

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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07369515 TENSAS RIVER SOUTHEAST OF TENDAL, LA

LOCATION.--Lat 32°23'17", long 91°20'05", in NW¼ sec.10, T.16 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, on right bank 1.6 mi (2.6 km) upstream from mouth of Judd Bayou, 3.5 mi (5.6 km) southeast of Tendal, and 8.5 mi (13.7 km) 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 October 1957 to September 1975 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1962, nonrecording gage at same site and datum.

REMARKS.--Small diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.66 ft (6.297 m) Jan. 23, 1979, from floodmark; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.66 ft (6.297 m) Jan. 23, from floodmark; minimum, 4.19 ft (1.277 m) Nov. 26.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.31	4.31	4.41	---	17.67	---	5.82	12.21	5.32	5.46	8.22	4.40
2	4.31	4.31	4.40	---	16.62	---	8.30	11.13	5.44	5.53	7.51	4.48
3	4.32	4.30	4.56	---	15.83	---	11.29	10.09	5.46	5.38	7.02	4.45
4	4.42	4.30	5.82	---	15.12	---	13.13	12.18	5.40	5.09	6.66	4.47
5	4.35	4.25	7.27	---	14.28	---	13.45	15.09	5.33	4.85	6.36	4.48
6	4.36	4.25	7.37	---	14.26	---	12.91	15.47	6.23	4.79	6.02	4.47
7	4.36	4.32	6.70	---	14.91	---	12.06	15.07	8.54	4.84	5.71	4.39
8	4.34	4.31	6.65	---	14.67	---	11.15	14.49	8.86	4.80	5.43	4.36
9	4.34	4.30	8.31	---	13.86	12.06	11.58	13.75	8.35	4.99	5.19	4.33
10	4.34	4.30	9.06	---	12.34	11.01	12.48	12.95	7.81	6.30	4.94	4.29
11	4.32	4.29	8.53	---	10.99	10.21	12.40	12.14	7.33	6.89	4.76	4.28
12	4.32	4.29	7.58	---	9.85	9.30	13.34	11.79	6.94	6.78	4.57	4.28
13	4.41	4.30	6.66	---	8.69	8.45	17.41	11.17	6.60	6.60	4.45	4.27
14	4.42	4.30	6.04	---	7.57	7.69	18.78	10.33	6.34	6.39	4.43	4.33
15	4.40	4.30	5.59	---	7.04	7.14	19.13	9.50	6.09	6.41	4.52	4.35
16	4.32	4.31	5.21	---	7.63	6.69	19.00	8.79	5.82	7.20	4.52	4.35
17	4.32	4.34	4.82	---	8.84	6.36	18.51	8.16	5.59	7.20	4.49	4.36
18	4.32	4.32	4.60	---	8.98	6.10	17.81	7.63	5.39	6.65	4.47	4.38
19	4.31	4.32	4.52	---	10.04	5.89	16.99	7.18	5.23	6.08	4.47	4.38
20	4.31	4.32	4.46	---	11.07	5.71	16.08	6.80	5.08	5.70	4.46	5.46
21	4.31	4.32	4.44	---	12.20	5.56	15.18	6.47	4.93	5.55	4.48	7.17
22	4.31	4.32	4.43	---	15.85	5.47	15.54	6.17	4.82	5.40	4.53	7.17
23	4.31	4.32	4.39	---	17.47	5.57	17.91	5.92	5.01	5.18	4.54	6.87
24	4.31	4.32	4.52	---	17.68	5.89	18.35	5.70	5.45	4.97	4.58	6.32
25	4.32	4.25	---	20.18	16.90	5.93	17.91	5.50	5.71	4.83	4.59	5.80
26	4.34	4.22	---	19.95	15.51	5.77	17.14	5.33	5.96	5.25	4.61	5.38
27	4.32	4.30	---	20.03	---	5.60	16.24	5.19	6.06	8.12	4.59	5.04
28	4.33	4.34	---	19.79	---	5.44	15.27	5.06	6.03	9.62	4.56	4.81
29	4.32	4.38	---	19.37	---	5.30	14.29	5.00	5.86	9.63	4.54	4.68
30	4.31	4.41	---	18.93	---	5.20	13.28	4.98	5.62	9.60	4.46	4.59
31	4.31	---	---	18.42	---	5.26	---	5.10	---	9.03	4.41	---
MEAN	4.34	4.31	---	---	---	---	14.76	9.24	6.09	6.29	5.10	4.88
MAX	4.42	4.41	9.06	---	17.68	---	19.13	15.47	8.86	9.63	8.22	7.17
MIN	4.31	4.22	---	---	7.04	5.20	5.82	4.98	4.82	4.79	4.41	4.27

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 32°03'20", long 91°13'35", in 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 (2.4 km) southeast of Newellton.

DRAINAGE AREA.--23.2 mi² (60.1 km²).

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 (21.3-m) long weir with a crest of 63.0 ft (19.2 m) and two timber lift gates with widths of 10 ft (3.0 m) each with a low sill at invert elevation of 56.0 ft (17.1 m). Control structure No. 2 on upper Clark Bayou has a drop inlet weir length of 53 ft (16.2 m) with crest elevation of 65.0 ft (19.8 m) and an 8-ft (2.4-m) wide timber lift gate with invert elevation of 58.5 ft (17.8 m). Pool stage of 65.0 ft (19.8 m) 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, 68.60 ft (20.909 m) Jan. 21, 1979; minimum, 64.22 ft (19.574 m) Nov. 7, 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation (unpublished records), 66.71 ft (20.333 m) Mar. 4, 5, 6, 1960; minimum, 63.56 ft (19.373 m) Aug. 10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 68.60 ft (20.909 m) Jan. 21; minimum, 64.22 ft (19.574 m) Nov. 7, 17.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.68	64.34	64.41	65.93	67.24	67.03	65.86	66.36	66.03	65.81	65.98	65.46
2	64.69	64.34	64.43	66.23	67.07	66.86	66.07	66.27	66.05	65.80	65.96	65.43
3	64.66	64.33	64.46	66.46	66.95	67.14	66.26	66.13	66.06	65.77	65.99	65.43
4	64.66	64.32	64.66	66.44	66.86	67.37	66.53	66.22	66.07	65.74	65.96	65.42
5	64.66	64.32	64.77	66.45	66.72	67.30	66.58	66.20	66.07	65.72	65.94	65.40
6	64.64	64.32	64.78	66.45	66.67	67.15	66.57	66.15	66.09	65.70	65.92	65.38
7	64.63	64.26	64.81	66.78	66.75	66.97	66.54	66.08	66.06	65.68	65.90	65.37
8	64.63	64.31	64.82	66.77	66.73	66.81	66.51	65.97	66.06	65.74	65.89	65.35
9	64.61	64.32	64.70	66.74	66.53	66.66	66.45	65.87	66.03	65.78	65.86	65.31
10	64.60	64.32	64.84	66.69	66.44	66.47	66.45	65.76	66.04	65.77	65.84	65.31
11	64.59	64.30	64.84	66.62	66.30	66.36	66.38	65.67	66.03	65.78	65.80	65.28
12	64.57	64.30	64.84	66.56	66.15	66.22	66.25	65.68	65.99	65.85	65.80	65.27
13	64.56	64.30	64.84	66.52	66.01	66.08	66.90	65.71	65.97	65.84	65.79	65.14
14	64.52	64.30	64.83	66.41	65.88	65.91	66.90	65.75	65.96	65.85	65.77	65.22
15	64.53	64.29	64.84	66.45	65.75	65.78	66.79	65.77	65.93	65.85	65.74	65.19
16	64.51	64.32	64.82	66.38	65.58	65.65	66.67	65.78	65.91	65.84	65.72	65.17
17	64.49	64.28	64.82	66.34	65.67	65.71	66.55	65.80	65.89	65.81	65.70	65.16
18	64.48	64.31	64.83	66.56	65.81	65.71	66.42	65.80	65.87	65.80	65.69	65.33
19	64.47	64.31	64.83	66.67	65.93	65.72	66.32	65.79	65.84	65.79	65.66	65.31
20	64.46	64.30	64.85	68.25	65.94	65.72	66.18	65.79	65.81	65.80	65.65	65.42
21	64.46	64.29	64.84	68.55	66.03	65.77	66.07	65.78	65.79	65.78	65.63	65.91
22	64.45	64.30	64.88	68.48	66.06	65.80	66.27	65.77	65.78	65.78	65.60	65.98
23	64.44	64.31	64.88	68.30	66.20	65.75	66.83	65.81	65.76	65.78	65.59	65.97
24	64.42	64.29	64.83	68.05	67.59	65.73	67.04	65.77	65.74	65.77	65.57	65.96
25	64.42	64.32	64.87	67.93	67.54	65.74	67.00	65.78	65.82	65.78	65.58	65.94
26	64.40	64.29	64.85	67.84	67.51	65.83	66.89	65.78	65.81	66.01	65.55	65.93
27	64.39	64.34	64.85	67.79	67.37	65.81	66.82	65.78	65.80	66.09	65.53	65.91
28	64.37	64.34	64.86	67.62	67.21	65.82	66.70	65.77	65.78	66.07	65.52	65.89
29	64.35	64.36	64.90	67.46	---	65.84	66.57	65.77	65.75	66.05	65.51	65.88
30	64.35	64.41	64.94	67.34	---	65.82	66.47	65.91	65.73	66.04	65.48	65.87
31	64.35	---	65.24	67.31	---	65.82	---	66.02	---	66.02	65.47	---
MEAN	64.52	64.31	64.81	67.04	66.52	66.20	66.53	65.89	65.92	65.84	65.73	65.52
MAX	64.69	64.41	65.24	68.55	67.59	67.37	67.04	66.36	66.09	66.09	65.99	65.98
MIN	64.35	64.26	64.41	65.93	65.58	65.65	65.86	65.67	65.73	65.68	65.47	65.14

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
DEC 20...	0930	154	8.2	16.0	10	35	11.1	9.3	K40	K25	58	0
FEB 14...	0910	78	7.0	10.5	75	200	10.4	3.7	K20	K260	31	0
APR 11...	0930	117	7.2	21.0	120	180	8.9	4.1	K60	--	47	2
JUN 25...	1905	193	9.2	29.0	25	15	14.3	11	<4	K8	85	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM AD-SORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (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)
DEC 20...	16	4.5	5.7	17	.3	3.4	81	0	66	5.0	3.7
FEB 14...	8.6	2.4	1.5	9	.1	3.0	40	0	33	4.7	1.6
APR 11...	13	3.6	1.8	7	.1	4.0	55	0	45	7.5	2.1
JUN 25...	22	7.2	5.6	12	.3	4.1	59	24	88	3.4	10

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
DEC 20...	11	105	89	.14	.33	2.3	2.6	12	.24	--	--
FEB 14...	6.1	53	48	.07	.43	1.4	1.8	8.1	1.9	--	--
APR 11...	8.1	85	67	.12	.90	1.4	2.3	10	.04	.12	.12
JUN 25...	2.8	120	108	.16	.01	.79	.80	3.5	.18	.55	.55

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, HEXAVALENT, 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)	LEAD, DIS-SOLVED (UG/L AS Pb)
FEB 14...	2	9	0	1	8	0	12	30	80	19000	0

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/L 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 (UG/L)	PCB, TOTAL (UG/L)
FEB 14...	50	10	800	.1	.04	0	84	11	.00	6	.0

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

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

RED RIVER BASIN

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 14...	0	.00	.0	.0	0	.02	26	.02	110	.05	.0

DATE	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)	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)
FEB 14...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.2

DATE	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)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
FEB 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 14...	.00	.0	.00	0	0	.00	.0	.02	.00	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN 25...	1905	.0	220	9.7	29.0	14.3
25...	1906	.0	220	9.7	29.0	14.3

RED RIVER BASIN

175

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK, NEAR ST. JOSEPH, LA.

LOCATION.--Lat 31°57'40", long 91°12'10", in NW¼SW¼ sec.26, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, at State Park fishing pier, 3.5 mi (5.6 km) northeast of St. Joseph.

DRAINAGE AREA.--21.4 mi² (55.4 km²).

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 (18.5-m) long weir has a crest elevation of 61.0 ft (18.6 m) which can be raised to 63.0 ft (19.2 m) by stoplogs. There are two 6-ft (1.8-m) wide metal lift gates with an invert elevation of 56.2 ft (17.1 m). Area of lake is 3,000 acres (12.1 km²) at an elevation of 63.0 ft (19.2 m). Reservoir is used for recreation and public supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 64.74 ft (19.733 m) Mar. 4, 1979; minimum, 57.28 ft (17.459 m) Jan. 2, 3, 4, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 64.74 ft (19.733 m) Mar. 4; minimum 59.36 ft (18.093 m) Nov. 25.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.34	59.69	59.62	60.39	64.41	64.33	62.27	63.11	62.55	62.83	62.62	61.99
2	60.33	59.66	---	60.75	64.43	64.24	62.44	63.01	62.57	62.83	62.51	62.01
3	60.31	59.65	---	60.85	64.40	64.49	62.73	62.93	62.65	62.82	62.45	61.99
4	60.30	59.64	---	60.92	64.39	64.74	63.02	63.02	62.67	62.81	62.40	61.98
5	60.28	59.62	---	60.97	64.30	64.66	62.96	62.99	62.67	62.78	62.39	61.95
6	60.29	59.60	---	61.08	64.29	64.56	62.87	62.90	62.71	62.77	62.38	61.95
7	60.24	59.60	---	61.49	64.51	64.46	62.77	62.82	62.72	62.74	62.36	61.93
8	60.20	59.62	---	61.74	64.44	64.36	62.67	62.73	62.74	62.76	62.35	61.91
9	60.16	59.61	---	61.82	64.34	64.20	62.62	62.65	62.75	62.80	62.33	61.88
10	60.15	59.59	---	61.91	---	64.09	62.53	62.57	62.76	62.79	62.32	61.85
11	60.13	59.57	---	61.94	---	64.02	62.43	62.49	62.79	62.81	62.29	61.82
12	60.12	59.57	59.59	61.91	---	63.89	62.49	62.48	62.76	62.88	62.31	61.81
13	60.10	59.56	59.58	61.86	---	63.76	63.19	62.38	62.75	62.88	62.28	61.77
14	60.07	59.53	59.57	61.82	---	63.65	63.23	62.29	62.75	62.92	62.26	61.75
15	60.03	59.53	59.53	61.75	63.68	63.51	63.16	62.22	62.75	62.91	62.25	61.73
16	60.00	59.54	59.54	61.72	63.58	63.38	63.08	62.16	62.74	62.93	62.23	61.68
17	59.97	59.57	59.54	61.70	63.45	63.25	62.98	62.10	62.73	62.91	62.22	61.66
18	59.94	59.52	59.51	61.80	63.50	63.12	62.89	62.07	62.73	62.88	62.19	61.77
19	59.92	59.51	59.51	61.82	63.40	62.99	62.81	62.08	62.72	62.86	62.18	61.77
20	59.90	59.49	59.52	63.28	63.28	62.90	62.71	62.09	62.72	62.85	62.16	61.82
21	59.89	59.45	59.60	64.09	63.21	62.81	62.64	62.10	62.71	62.84	62.14	62.25
22	59.87	59.46	59.56	64.30	63.10	62.70	62.84	62.12	62.70	62.82	62.13	62.29
23	59.85	59.44	59.53	64.37	63.29	62.62	63.46	62.17	62.70	62.79	62.12	62.29
24	59.83	59.43	59.52	64.44	64.42	62.52	63.65	62.19	62.70	62.78	62.11	62.27
25	59.82	59.42	59.53	64.40	64.60	62.43	63.64	62.19	62.79	62.81	62.09	62.26
26	59.80	59.45	59.51	64.41	64.55	62.32	63.59	62.18	62.77	63.10	62.08	62.25
27	59.79	59.49	59.51	64.56	64.49	62.23	63.52	62.18	62.76	63.15	62.06	62.24
28	59.76	59.49	59.50	64.51	64.42	62.17	63.43	62.19	62.74	63.05	62.04	62.22
29	59.74	59.55	59.47	64.42	---	62.15	63.31	62.19	62.72	62.95	62.02	62.23
30	59.71	59.64	59.56	64.36	---	62.16	63.22	62.36	62.78	62.83	62.01	62.21
31	59.70	---	59.79	64.48	---	62.20	---	62.52	---	62.72	61.98	---
MEAN	60.02	59.55	---	62.58	---	63.38	62.97	62.43	62.72	62.86	62.23	61.98
MAX	60.34	59.69	59.79	64.56	64.60	64.74	63.65	63.11	62.79	63.15	62.62	62.29
MIN	59.70	59.42	59.47	60.39	63.10	62.15	62.27	62.07	62.55	62.72	61.98	61.66

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHAULT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	HARDNESS, NONCARBONATE (MG/L CAC03)
DEC 20...	1115	163	7.8	14.5	0	3	9.9	2.9	<5	K40	76	0
FEB 14...	1100	145	7.1	9.0	15	30	11.1	3.5	K8	K16	65	0
APR 13...	1405	135	7.2	20.0	20	45	8.6	1.3	160	290	58	0
JUN 25...	1810	148	8.6	28.0	10	6	9.0	2.9	<4	<4	68	10

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HC03)	CARBONATE (MG/L AS C03)	ALKALINITY (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)
DEC 20...	21	5.6	2.9	7	.1	4.4	99	0	81	3.1	2.8	.1
FEB 14...	18	4.9	2.4	7	.1	3.6	85	0	70	3.2	2.3	.1
APR 13...	16	4.5	2.1	7	.1	3.7	74	0	61	4.2	2.4	.1
JUN 25...	18	5.6	2.5	7	.1	3.6	71	5	67	4.5	2.2	.1

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, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N03)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS P04)	PHOSPHORUS, TOTAL (MG/L AS P04)
DEC 20...	1.9	98	91	.13	.29	.72	1.0	4.5	.03	--	--
FEB 14...	.4	79	77	.11	.47	.51	.98	4.3	1.3	--	--
APR 13...	1.8	97	71	.13	.67	.47	1.1	5.0	.10	.31	.31
JUN 25...	1.5	83	78	.11	.02	.72	.74	3.3	.03	.09	.09

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PR)
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FEB 14...	2	14	0	0	6	0	10	20	30	11000		4
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DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PR)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOV. FM BOTTOM MATERIAL (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/L AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
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FEB 14...	20	6	420	.1	.05	10	51	5.2	.00	0	.0
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K Results based on colony count outside the acceptable range (non-ideal count).

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

RED RIVER BASIN

177

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK NEAR ST. JOSEPH, LA--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, 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)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 14...	0	.00	.1	.0	0	.00	23	.00	66	.01	1.3

DATE	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)	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)
FEB 14...	.00	.0	.00	.1	.00	.00	.0	.00	.0	.00	.0

DATE	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)	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)
FEB 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 14...	.00	.00	.0	.00	0	.00	.0	.04	.00	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
25...	1810	.0	148	8.6	28.0	9.0
25...	1811	.0	170	9.2	28.0	9.0
25...	1812	5.0	170	9.1	28.0	9.0
25...	1813	10	170	9.1	27.5	8.8
25...	1814	15	170	8.8	27.0	7.7
25...	1815	20	185	7.1	21.5	.0
25...	1816	25	185	7.1	19.5	.0
25...	1817	30	185	7.0	18.5	.0

LOCATION.--Lat 32°59'35", long 91°15'45", in SW¼SE¼ sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi (1.3 km) south of Arkansas-Louisiana State line, and 3.0 mi (4.8 km) east of Kilbourne.

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft³/s or 5.66 m³/s only). October 1973 to current year (daily discharges below 200 ft³/s or 5.66 m³/s only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft (22.985 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records good. Large diversions above station irrigation. Interconnecting system of bayous and drainage ditches produces and interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.73 ft (8.147 m) Mar. 17, 1973; no flow June 11, 1963, result of pumping for irrigation.
Maximum discharge, 4,740 ft³/s (134 m³/s) May 5, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.43 ft (6.837 m) Jan. 21; minimum discharge, 60 ft³/s (1.70 m³/s) Oct. 25, gage height, 1.57 ft (0.479 m).

[illegible]

RED RIVER BASIN

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07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.69	1.71	1.97	15.53	14.45	12.71	8.49	11.23	12.43	6.60	5.15	4.73
2	1.68	1.70	1.99	18.43	13.55	12.30	13.31	10.85	12.78	6.08	4.99	4.59
3	1.87	1.69	3.02	17.10	12.85	16.64	16.35	10.39	12.83	5.63	5.38	4.58
4	1.74	1.68	10.45	15.29	12.26	18.72	16.73	16.97	13.00	5.27	5.58	4.66
5	1.60	1.65	10.76	15.81	11.70	17.33	16.60	19.69	13.53	4.99	5.54	4.58
6	1.86	1.65	11.05	16.13	11.92	16.62	16.42	18.20	15.42	5.12	6.10	4.46
7	1.80	1.70	11.65	19.02	14.41	16.17	16.06	17.18	14.97	7.40	6.44	4.27
8	1.73	1.68	12.20	18.64	13.39	15.56	18.35	16.41	14.19	7.57	6.33	4.08
9	1.69	1.66	13.87	18.11	12.66	14.84	21.76	15.61	13.47	7.23	6.00	3.95
10	1.68	1.65	14.06	17.79	12.26	14.35	20.40	14.78	12.81	6.51	5.60	3.78
11	1.67	1.65	13.99	17.37	11.85	13.94	18.98	14.01	12.15	6.56	5.28	3.60
12	1.66	1.64	13.84	16.74	11.38	13.11	21.88	14.95	11.51	6.36	5.19	3.45
13	1.68	1.62	13.43	15.97	10.87	12.43	21.55	14.43	10.91	6.35	4.89	3.38
14	1.71	1.62	12.86	15.14	10.28	11.70	20.60	13.99	10.21	6.24	4.63	3.32
15	1.65	1.81	12.21	14.30	9.47	11.44	19.66	13.79	9.27	6.95	4.40	3.20
16	1.65	1.91	11.53	13.49	8.63	10.95	18.57	13.51	8.20	6.34	4.18	3.06
17	1.63	1.82	10.75	12.74	7.90	10.41	17.40	13.09	7.23	5.64	4.02	2.91
18	1.63	1.80	9.78	12.03	7.74	9.79	16.28	12.62	6.42	5.30	3.87	2.89
19	1.63	1.82	8.66	12.22	7.40	9.10	15.26	12.15	5.75	4.98	3.74	2.81
20	1.64	1.82	7.65	20.10	7.26	8.43	14.35	11.69	5.32	4.72	3.62	3.34
21	1.63	1.80	6.83	22.30	8.20	7.82	13.56	11.25	5.41	4.63	3.51	6.25
22	1.60	1.81	6.08	21.42	7.84	7.37	13.03	10.87	7.45	4.43	3.68	7.07
23	1.59	1.81	5.42	20.78	10.27	7.66	14.87	10.44	12.55	4.18	4.07	7.41
24	1.59	1.81	4.88	20.81	14.81	7.43	15.24	10.08	10.92	3.99	4.62	8.01
25	1.58	1.79	4.46	19.89	16.59	7.50	14.67	10.04	11.67	3.96	4.90	8.04
26	1.63	1.86	4.13	19.49	14.94	7.47	13.84	9.75	10.65	5.51	5.08	7.60
27	1.70	2.18	3.95	20.30	13.86	7.02	13.26	9.06	9.71	6.77	5.40	7.04
28	1.72	2.26	3.75	19.03	13.24	6.48	12.75	8.66	8.74	6.28	5.59	6.47
29	1.73	2.07	3.52	17.67	---	6.08	12.24	8.79	7.87	5.95	5.55	5.94
30	1.72	2.00	3.70	16.47	---	5.95	11.74	10.01	7.15	5.61	5.34	5.44
31	1.71	---	7.44	15.43	---	6.53	---	11.59	---	5.34	5.02	---
MEAN	1.69	1.79	8.38	17.34	11.50	11.10	16.14	12.78	10.48	5.76	4.96	4.83
MAX	1.87	2.26	14.06	22.30	16.59	18.72	21.88	19.69	15.42	7.57	6.44	8.04
MIN	1.58	1.62	1.97	12.03	7.26	5.95	8.49	8.66	5.32	3.96	3.51	2.87

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25" long 91°28'30", in E½ 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 (0.3 km) upstream from Illinois Central Railroad bridge, and 1 mi (2 km) east of Delhi.

DRAINAGE AREA.--782 mi² (2,030 km²).

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; 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 (15.255 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949, to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft (610 m) downstream at same datum. Auxiliary water-stage recorder 7.7 mi (12.4 km) downstream from base gage at datum 46.05 ft (14.036 m) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years, 985 ft³/s (27.90 m³/s), 713,600 acre-ft/yr (880 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft³/s (268 m³/s) Jan. 21, 1979; maximum gage height, 26.00 ft (7.925 m) 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 (11.4 m), present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,480 ft³/s (268 m³/s) Jan. 21; maximum gage height, 22.87 ft (6.971 m) Jan. 21; minimum daily discharge, 66 ft³/s (1.87 m³/s) Oct. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	112	169	4000	3460	2780	1000	1800	1710	878	600	507
2	104	113	156	5550	3000	2610	1500	1700	1830	759	500	479
3	106	113	533	5160	2670	3260	2500	1600	1940	674	450	458
4	112	116	2440	4170	2730	3900	3500	2000	1960	604	400	445
5	118	114	2600	3620	2580	3780	3000	3000	1980	544	380	438
6	117	118	2510	3800	2450	3440	2500	5000	2520	533	340	439
7	114	122	2440	4860	3690	3240	2000	4500	2790	548	300	424
8	110	117	2560	4840	3470	3100	1600	4000	2670	828	280	411
9	106	113	2830	4220	2990	2900	1500	3800	2370	1020	260	390
10	101	114	2740	3820	2730	2560	2000	3500	2150	1020	240	356
11	97	115	2670	3500	2190	2630	3000	3100	2000	860	220	333
12	93	115	2640	3300	1960	2420	4500	3500	1860	790	230	311
13	93	115	2610	3100	1860	2160	5400	3100	1740	747	260	311
14	90	117	2560	2900	1750	2000	6000	2800	1630	776	300	301
15	84	120	2500	2820	1630	1870	6400	2500	1500	817	330	303
16	85	115	2370	2700	1500	1780	6000	2280	1340	829	310	296
17	77	131	2170	2650	1340	1690	5000	2120	1130	741	280	290
18	69	130	1800	2600	1550	1500	3910	2020	919	598	260	287
19	66	130	1300	3230	1560	1300	3470	1930	721	516	250	265
20	69	129	865	7250	1600	1200	3130	1850	591	500	260	588
21	85	127	526	9320	2210	1100	2920	1770	516	465	280	1420
22	94	124	344	8810	2140	1000	3000	1700	619	441	300	1280
23	103	125	245	7740	3520	1300	4000	1640	1130	418	330	1100
24	105	133	212	7180	5760	1500	5000	1550	1850	386	379	1000
25	103	132	180	6410	6110	1200	4500	1460	1790	398	431	1050
26	107	137	160	6140	5200	1000	4000	1410	1730	531	489	1060
27	107	158	142	7520	3850	850	3000	1390	1610	1030	516	988
28	106	173	130	7260	5080	700	2300	1370	1440	1210	554	909
29	108	188	124	6130	---	600	2100	1360	1240	1240	575	842
30	107	184	138	4930	---	550	1900	1440	1040	940	565	717
31	111	---	1620	4090	---	500	---	1550	---	700	546	---
TOTAL	3052	3850	44284	153620	80580	60420	100630	72740	48316	22341	11415	17998
MEAN	98.5	128	1429	4955	2878	1949	3354	2346	1611	721	368	600
MAX	118	188	2830	9320	6110	3900	6400	5000	2790	1240	600	1420
MIN	66	112	124	2600	1340	500	1000	1360	516	386	220	265
AC-FT	6050	7640	87840	304700	159800	119800	199600	144300	95830	44310	22640	35700
CAL YR 1978	TOTAL	297544	MEAN	815	MAX	8430	MIN	66	AC-FT	590200		
WTR YR 1979	TOTAL	619246	MEAN	1697	MAX	9320	MIN	66	AC-FT	1228000		

RED RIVER BASIN

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07370000 BAYOU MACON NEAR DELHI, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.36	8.74	9.15	13.48	16.54	13.58	---	10.80	10.48	9.58	---	9.10
2	8.35	8.75	9.09	16.85	15.06	12.24	---	10.54	10.65	9.44	---	9.06
3	8.36	8.76	9.22	17.10	13.89	13.16	---	10.44	10.78	9.34	---	9.02
4	8.39	8.77	10.51	16.02	13.03	15.04	---	12.65	10.81	9.24	---	9.00
5	8.43	8.77	10.87	14.67	11.93	15.14	---	16.57	10.84	9.16	---	8.99
6	8.44	8.79	10.61	14.36	11.50	14.48	---	17.20	11.60	9.14	---	8.99
7	8.44	8.82	10.47	16.49	13.81	13.65	---	16.65	11.99	9.16	---	8.97
8	8.44	8.80	10.77	16.97	14.25	12.86	---	15.68	11.82	9.52	---	8.94
9	8.43	8.79	11.51	16.20	13.30	12.14	---	14.65	11.39	9.74	---	8.91
10	8.41	8.79	11.30	15.20	12.05	11.65	---	13.70	11.07	9.73	---	8.84
11	8.39	8.81	11.10	14.28	11.13	11.76	---	12.86	10.86	9.56	---	8.80
12	8.39	8.82	11.01	13.47	10.81	11.46	---	13.16	10.68	9.48	---	8.75
13	8.40	8.82	10.96	12.72	10.68	11.08	---	12.96	10.52	9.43	---	8.75
14	8.39	8.83	10.89	12.01	10.53	10.86	---	12.31	10.38	9.46	---	8.73
15	8.37	8.85	10.80	11.47	10.38	10.70	---	11.67	10.23	9.51	---	8.74
16	8.39	8.83	10.68	11.19	10.23	10.57	---	11.25	10.05	9.53	---	8.72
17	8.35	8.91	10.55	11.02	10.06	10.46	---	11.03	9.84	9.42	---	8.71
18	8.32	8.92	10.40	10.85	10.28	---	16.81	10.89	9.63	9.23	---	8.70
19	8.31	8.92	10.22	12.06	10.30	---	15.58	10.77	9.39	9.12	---	8.66
20	8.35	8.92	10.02	19.11	10.36	---	14.35	10.66	9.22	9.09	---	9.15
21	8.46	8.92	9.81	22.61	11.15	---	13.20	10.56	9.12	9.03	---	10.14
22	8.54	8.91	9.61	22.74	11.06	---	14.52	10.46	9.26	8.99	---	10.00
23	8.61	8.92	9.45	22.24	13.02	---	18.75	10.39	9.85	8.96	---	9.81
24	8.64	8.97	9.32	21.66	17.85	---	19.06	10.29	10.66	8.90	8.89	9.72
25	8.64	8.96	9.19	20.82	19.05	---	18.00	10.18	10.58	8.92	8.98	9.76
26	8.68	9.00	9.11	20.32	18.46	---	16.60	10.13	10.51	9.13	9.07	9.77
27	8.68	9.09	9.03	21.32	16.94	---	15.06	10.11	10.36	9.74	9.12	9.70
28	8.68	9.16	8.97	21.19	15.24	---	13.62	10.08	10.16	9.93	9.17	9.62
29	8.70	9.22	8.94	20.27	---	---	12.41	10.08	9.95	9.95	9.20	9.54
30	8.70	9.20	9.01	19.04	---	---	11.41	10.16	9.75	9.65	9.19	9.39
31	8.72	---	10.35	17.90	---	---	---	10.29	---	---	9.16	---
MEAN	8.48	8.89	10.09	16.63	12.96	---	---	11.91	10.41	---	---	9.17
MAX	8.72	9.22	11.51	22.74	19.05	15.14	---	17.20	11.99	9.95	---	10.14
MIN	8.31	8.74	8.94	10.85	10.06	---	---	10.08	9.12	8.90	---	8.66

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in SW¼ 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 (61 m) downstream from Brush Creek, 1.5 mi (2.4 km) downstream from McDonald Creek, and 5.4 mi (8.7 km) west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi² (919 km²).

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 (35.518 m) 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 (11 km) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--21 years (water years 1939-57, 1978-79), 428 ft³/s (12.12 m³/s), 310,100 acre-ft/yr (382 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft³/s (867 m³/s) Jan. 1, 1945, gage height, 19.87 ft (6.056 m); minimum gage height, 2.67 ft (0.814 m) Sept. 26, 1955. Minimum discharge observed, 0.4 ft³/s (0.11 m³/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 (85 m³/s) and maximum (*) for water years 1978-79:

Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
1978	May 9, 1978...	1245	*7,370 209	*15.39 4.691	1979	Apr. 3.....	1830	6,120 173	14.81 4.514
1979	Jan. 21, 1979...	1615	*13,800 391	*17.05 5.197	1979	Apr. 25.....	0400	3,630 103	13.52 4.121
1979	Mar. 5.....	1045	4,750 135	14.20 4.328					

Minimum discharge, 8.8 ft³/s (0.25 m³/s) July 7, gage height, 3.19 ft (0.972 m), regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	30	52	236	1990	1910	721	324	256	30	47	22
2	22	29	40	482	1560	1420	3280	268	218	26	36	21
3	20	24	39	597	1330	1600	5780	264	277	23	29	21
4	20	22	57	667	1160	3360	5540	630	311	21	28	30
5	22	21	95	721	1020	4530	4140	1710	256	20	27	23
6	24	21	183	891	1020	3540	2970	2660	250	14	27	14
7	26	24	211	1100	1500	2390	2040	2550	231	10	27	18
8	23	27	171	1450	1840	1630	1440	1760	187	17	24	20
9	21	25	147	1650	1870	1170	1120	1190	163	19	20	19
10	21	24	161	1700	1820	917	934	799	120	19	19	18
11	21	24	194	1520	1480	825	925	526	88	20	19	18
12	21	22	182	1170	1130	910	1220	478	69	31	19	18
13	21	18	134	829	871	985	1570	624	57	56	20	18
14	20	20	102	573	684	1000	1810	653	48	62	19	17
15	20	22	84	395	559	860	1600	797	40	67	19	17
16	20	23	74	285	466	674	1130	771	35	72	19	16
17	21	23	67	213	407	529	757	516	32	50	21	15
18	21	22	60	183	427	420	516	285	30	35	17	48
19	20	22	55	348	542	361	345	175	27	31	16	78
20	20	22	58	3760	703	334	245	131	26	31	17	100
21	20	24	50	11900	977	316	202	109	25	29	17	353
22	20	24	37	9080	1230	327	333	112	25	32	17	386
23	20	23	35	4730	1590	400	1380	151	28	25	17	351
24	20	23	35	2970	3170	465	2790	155	29	22	23	227
25	20	23	31	2080	4070	488	3430	127	32	22	35	107
26	20	31	26	1670	3990	477	2430	103	39	28	35	60
27	25	48	21	1800	3500	394	1590	81	59	44	43	44
28	28	43	18	1900	2610	289	1070	68	60	62	43	37
29	23	73	17	2050	---	222	723	76	44	73	36	30
30	22	74	35	2320	---	193	478	127	36	72	29	29
31	24	---	89	2350	---	269	---	201	---	59	23	---
TOTAL	668	851	2560	61620	43516	33205	52509	18421	3098	1122	788	2175
MEAN	21.5	28.4	82.6	1988	1554	1071	1750	594	103	36.2	25.4	72.5
MAX	28	74	211	11900	4070	4530	5780	2660	311	73	47	386
MIN	20	18	17	183	407	193	202	68	25	10	16	14
AC-FT	1320	1690	5080	122200	86310	65860	104200	36540	6140	2230	1560	4310
CAL YR 1978	TOTAL	65377.6	MEAN	179	MAX	6970	MIN	6.2	AC-FT	129700		
WTR YR 1979	TOTAL	220533.0	MEAN	604	MAX	11900	MIN	10	AC-FT	437400		

RED RIVER BASIN

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07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.63	4.06	4.77	7.67	12.33	12.25	10.34	8.59	8.09	4.04	4.55	3.75
2	3.63	4.03	4.47	9.49	11.90	11.73	13.23	8.19	7.73	3.90	4.23	3.74
3	3.58	3.89	4.45	10.02	11.62	11.92	14.67	8.16	8.25	3.81	4.00	3.74
4	3.59	3.83	4.88	10.29	11.39	13.34	14.57	9.95	8.50	3.74	3.95	4.03
5	3.63	3.80	5.68	10.46	11.14	14.09	13.85	12.02	8.08	3.69	3.93	3.79
6	3.71	3.83	7.28	10.88	11.14	13.46	13.08	12.87	8.03	3.44	3.93	3.47
7	3.77	3.92	7.65	11.28	11.82	12.66	12.36	12.79	7.85	3.27	3.93	3.62
8	3.69	4.04	7.10	11.78	12.19	11.97	11.75	12.11	7.35	3.57	3.84	3.68
9	3.62	3.98	6.72	12.00	12.22	11.39	11.31	11.41	6.99	3.67	3.71	3.65
10	3.62	3.94	6.95	12.05	12.17	10.93	10.97	10.65	6.18	3.66	3.66	3.63
11	3.60	3.95	7.45	11.86	11.80	10.74	10.95	9.71	5.53	3.69	3.64	3.60
12	3.61	3.89	7.27	11.40	11.33	10.92	11.47	9.49	5.10	4.08	3.65	3.63
13	3.60	3.77	6.46	10.73	10.83	11.07	11.91	10.14	4.81	4.78	3.68	3.63
14	3.59	3.84	5.82	9.92	10.34	11.11	12.16	10.24	4.58	4.93	3.66	3.59
15	3.60	3.94	5.46	9.04	9.87	10.81	11.94	10.67	4.37	5.06	3.65	3.59
16	3.60	3.97	5.25	8.31	9.43	10.31	11.31	10.59	4.19	5.17	3.68	3.55
17	3.63	3.97	5.10	7.67	9.13	9.73	10.54	9.65	4.10	4.62	3.72	3.51
18	3.64	3.95	4.94	7.31	9.24	9.20	9.66	8.29	4.02	4.19	3.60	4.52
19	3.62	3.95	4.82	8.60	9.79	8.84	8.73	7.17	3.93	4.07	3.56	5.31
20	3.62	3.98	4.89	13.09	10.40	8.66	7.99	6.40	3.91	4.06	3.58	5.65
21	3.62	4.04	4.72	16.59	11.05	8.54	7.54	5.96	3.88	3.99	3.57	8.78
22	3.63	4.03	4.42	15.85	11.49	8.61	8.48	6.02	3.86	4.09	3.57	9.00
23	3.64	4.00	4.34	14.15	11.92	9.08	11.56	6.76	3.97	3.86	3.60	8.77
24	3.66	3.99	4.35	13.08	13.21	9.43	12.95	6.85	4.01	3.77	3.79	7.75
25	3.65	3.98	4.23	12.40	13.81	9.54	13.39	6.32	4.11	3.77	4.18	5.92
26	3.68	4.23	4.07	12.02	13.76	9.49	12.67	5.84	4.33	3.97	4.20	4.86
27	3.84	4.68	3.93	12.15	13.43	9.04	11.93	5.40	4.85	4.47	4.43	4.43
28	3.97	4.55	3.84	12.25	12.83	8.34	11.22	5.07	4.88	4.92	4.45	4.18
29	3.81	5.23	3.79	12.38	---	7.78	10.44	5.28	4.48	5.19	4.23	3.95
30	3.77	5.24	4.31	12.61	---	7.44	9.48	6.31	4.24	5.17	4.00	3.90
31	3.86	---	5.56	12.63	---	8.08	---	7.51	---	4.86	3.80	---
MEAN	3.67	4.08	5.32	11.29	11.49	10.34	11.42	8.59	5.47	4.18	3.87	4.64
MAX	3.97	5.24	7.65	16.59	13.81	14.09	14.67	12.87	8.50	5.19	4.55	9.00
MIN	3.58	3.77	3.79	7.31	9.13	7.44	7.54	5.07	3.86	3.27	3.56	3.47

RED RIVER BASIN

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA

LOCATION.--Lat 32°13'50", long 92°55'11", in NW¼ sec.6, T.14 N., R.5 W., Bienville Parish, Hydrologic Unit 08040303, near left bank on upstream side of culvert on State Highway 155, 0.4 mi (0.6 km) southwest of intersection with State Highway 4, and 5.0 mi (8.0 km) west of Danville, La.

DRAINAGE AREA.--Approximately 1.5 mi² (3.9 km²).

PERIOD OF RECORD.--June 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 190 ft (58 m). Auxiliary water-stage recorder 60 ft (18 m) downstream from base gage at same datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 306 ft³/s (8.67 m³/s) May 7, 1978, gage height, 8.36 ft (2.548 m); no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 168 ft³/s (4.76 m³/s) Apr. 2, gage height, 7.08 ft (2.158 m); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		0	.08	1.5	3.2	1.0	20	.33	.65	.04	.01	.01
2		0	.08	.60	2.4	.60	67	2.3	.24	.03	.02	0
3		0	.73	1.0	6.4	4.0	31	1.4	.15	.01	.01	0
4		0	2.1	.50	4.4	2.0	11	45	.15	.04	.01	.03
5		0	.67	1.0	3.3	.60	4.0	11	.15	.04	.01	.02
6		0	.39	2.0	21	.60	2.2	3.5	.15	.07	0	0
7		0	.30	1.0	22	.30	1.6	1.7	.15	.01	0	0
8		0	.79	1.0	5.1	.30	.94	.99	.15	0	0	0
9		0	.94	.50	2.7	.30	2.2	.75	.15	0	0	0
10		0	.39	.50	1.8	.50	1.3	.50	.15	0	0	0
11		0	.17	.50	1.6	.40	1.4	.70	.08	.01	0	0
12		0	.10	.30	1.4	.30	6.2	.40	.04	.02	0	0
13		0	.09	.20	1.3	1.1	1.7	.25	.05	.02	0	0
14		0	.10	.15	1.2	.94	.92	.15	.05	.05	0	0
15		0	.08	.10	1.2	.75	.60	.07	.05	.02	0	0
16		0	.08	.20	1.1	.74	.47	.05	.05	.01	0	0
17		0	.08	1.0	1.6	.70	.38	.05	.06	0	0	.01
18		0	.06	3.0	10	.74	.33	.05	.06	0	0	.02
19		0	.06	15	8.5	.71	.33	.05	.10	.01	0	.02
20		0	.06	56	9.7	1.2	.33	.05	.10	.02	0	.77
21		0	.05	11	8.1	1.2	.50	.15	.13	.02	0	.01
22		0	.05	2.4	45	2.2	39	.15	.13	.02	0	0
23		0	.05	4.7	20	2.9	26	.15	.09	.02	0	0
24		0	.05	4.4	10	1.3	2.6	.15	.10	.02	0	0
25		0	.04	2.2	15	.79	1.2	.15	.09	.02	.06	0
26		.55	.04	14	9.0	.63	.76	.15	.07	.17	0	0
27		.24	.04	13	4.0	.54	.54	.10	.04	.01	0	0
28		.10	.04	5.2	6.0	.50	.42	.15	.04	.01	0	0
29		.12	1.0	2.2	---	.49	.36	1.2	.05	.01	0	0
30		.08	.20	15	---	.64	.33	.65	.04	0	0	0
31		---	.90	8.6	---	27	---	.65	---	0	0	---
TOTAL	0	1.09	9.81	168.75	227.0	55.97	225.61	72.94	3.51	.70	.12	.89
MEAN	0	.036	.32	5.44	8.11	1.81	7.52	2.35	.12	.023	.004	.030
MAX	0	.55	2.1	56	45	27	67	45	.65	.17	.06	.77
MIN	0	0	.04	.10	1.1	.30	.33	.05	.04	0	0	0
AC-FT	0	2.2	19	335	450	111	447	145	7.0	1.4	.2	1.8
CAL YR 1978	TOTAL	215.73	MEAN	.59	MAX 99	MIN 0	AC-FT	428				
WTR YR 1979	TOTAL	766.39	MEAN	2.10	MAX 67	MIN 0	AC-FT	1520				

RED RIVER BASIN

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07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.34	4.34	---	---	4.79	---	5.25	---	4.66	4.60	4.59	4.58
2	4.34	4.34	---	---	4.75	---	5.96	---	4.63	4.59	4.59	4.58
3	4.34	4.34	---	---	4.90	---	5.44	---	4.62	4.56	4.58	4.58
4	4.34	4.34	---	---	4.84	---	5.05	---	4.62	4.59	4.58	4.58
5	4.34	4.34	---	---	4.79	---	4.82	5.02	4.62	4.60	4.58	4.59
6	4.34	4.34	---	---	5.20	---	4.74	4.80	4.62	4.60	4.58	4.58
7	4.34	4.34	4.60	---	5.28	---	4.71	4.72	4.62	4.58	4.58	4.58
8	4.34	4.34	4.67	---	4.86	---	---	4.68	4.62	4.58	4.58	4.58
9	4.34	4.34	4.68	---	4.77	---	---	4.66	4.62	4.58	4.58	4.58
10	4.34	4.34	4.64	---	4.72	---	---	---	4.62	4.58	4.58	4.58
11	4.34	4.34	4.62	---	4.71	---	---	---	4.60	4.59	4.58	4.58
12	4.34	4.34	4.61	---	4.70	---	---	---	4.60	4.59	4.58	4.58
13	4.34	4.34	4.61	---	4.70	---	---	---	4.60	4.59	4.57	4.58
14	4.34	---	---	---	4.69	---	---	---	4.60	4.60	4.57	4.58
15	4.34	---	---	---	4.69	---	---	---	4.60	4.59	4.58	4.58
16	4.34	---	---	---	4.68	---	---	4.60	4.60	4.59	4.58	4.58
17	4.34	---	---	---	4.71	---	---	4.60	4.60	4.58	4.58	4.59
18	4.34	---	---	---	5.02	---	---	4.60	4.60	4.58	4.57	4.59
19	4.34	---	---	---	4.97	---	---	4.60	4.61	4.59	4.57	4.59
20	4.34	---	---	---	5.01	---	---	4.60	4.61	4.59	4.57	4.65
21	4.34	---	---	---	4.96	---	---	4.62	4.62	4.59	4.57	4.59
22	4.34	---	---	---	5.57	---	---	4.62	4.62	4.59	4.57	4.58
23	4.34	---	---	4.84	---	---	---	4.62	4.61	4.59	4.58	4.58
24	4.34	---	---	4.84	---	---	---	4.62	4.61	4.59	4.58	4.58
25	4.34	---	---	4.74	---	---	---	4.62	4.61	4.59	4.59	4.58
26	4.34	---	---	5.09	---	---	---	4.62	4.60	4.61	4.58	4.58
27	4.34	---	---	5.08	---	---	---	4.61	4.60	4.59	4.57	4.58
28	4.34	---	---	4.83	---	---	---	4.62	4.60	4.58	4.57	4.58
29	4.34	---	---	4.74	---	---	---	4.69	4.60	4.59	4.57	4.58
30	4.34	---	---	5.10	---	4.66	---	4.66	4.60	4.58	4.57	4.58
31	4.34	---	---	4.97	---	5.36	---	4.66	---	4.58	4.57	---
MEAN	4.34	---	---	---	---	---	---	---	4.61	4.59	4.58	4.58
MAX	4.34	---	---	---	5.57	5.36	5.96	---	4.66	4.61	4.59	4.65
MIN	4.34	4.34	---	---	4.68	---	---	4.60	4.60	4.56	4.57	4.58

07372000 DUGDEMONA RIVER NEAR WINNFELD, LA

LOCATION.--Lat 31°58'30", long 92°39'10", on line between secs.34 and 35, T.12 N., R.3 W., Winn Parish, Hydrologic Unit 08040303, on right bank just downstream from bridge on U.S. Highway 167, 300 ft (91 m) upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 2.4 mi (3.9 km) downstream from Kyiaies Creek, and 3.5 mi (5.6 km) north of Winnfield.

DRAINAGE AREA.--654 mi² (1,694 km²).

PERIOD OF RECORD.--April 1939 to September 1977. October 1977 to current year (annual maximum and gage heights only).

REVISED RECORDS.--WSP 1341: Drainage area. WSP 1391: 1939-41.

GAGE.--Water-stage recorder. Datum of gage is 81.14 ft (24.731 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 19, 1950, nonrecording gage at same site and datum.

REMARKS.--Water used by paper mill at Hodge is pumped from wells and discharged into stream about 30 mi (48 km) 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.

AVERAGE DISCHARGE.--38 years (water years 1940-77), 714 ft³/s (20.22 m³/s), 517,300 acre-ft/yr (638 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,100 ft³/s (767 m³/s) May 19, 1953, gage height, 23.78 ft (7.248 m); no flow at times in 1947, 1954, 1956-57, (result of temporary regulation).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft³/s (357 m³/s) Jan. 23, gage height, 19.84 ft (6.047 m); minimum gage height, 2.15 ft (0.655 m) Aug. 23.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	3.07	3.61	7.51	16.11	17.26	10.11	14.07	8.12	3.05	3.75	2.72
2	2.58	3.06	3.63	10.66	16.13	16.73	11.16	13.22	7.52	2.95	3.53	2.59
3	2.58	3.03	3.68	10.56	16.07	16.35	13.53	12.23	7.97	2.76	3.26	2.48
4	2.58	3.05	3.81	9.68	15.89	16.65	16.84	11.85	8.65	2.62	3.01	2.57
5	2.60	3.10	3.59	9.22	15.50	16.92	18.65	12.63	8.62	2.50	2.78	2.65
6	2.64	3.11	3.49	9.34	15.17	17.16	18.51	12.99	8.15	2.42	2.59	2.48
7	2.62	3.11	3.50	11.98	15.54	17.39	17.85	13.61	7.83	2.45	2.47	2.43
8	2.62	3.09	3.68	12.85	15.76	17.17	17.07	14.36	7.72	2.42	2.43	2.49
9	2.62	3.08	4.44	12.90	15.82	16.56	16.37	15.02	7.46	2.44	2.40	2.37
10	2.65	3.10	5.08	12.92	15.64	15.84	15.69	15.17	7.03	2.33	2.40	2.24
11	2.69	3.12	5.34	12.88	15.33	15.35	15.08	14.77	6.35	2.19	2.45	2.17
12	2.71	3.14	5.24	12.76	14.97	14.88	14.61	14.20	5.64	2.24	2.39	2.21
13	2.71	3.13	4.98	12.77	14.64	14.36	14.18	13.67	4.91	2.55	2.29	2.23
14	2.71	3.15	4.99	12.84	14.31	13.85	13.74	13.16	4.24	2.45	2.23	2.25
15	2.71	3.15	5.08	12.79	13.91	13.26	13.38	12.43	3.72	2.43	2.33	2.24
16	2.71	3.15	4.85	12.53	13.40	12.66	13.14	11.36	3.36	3.88	2.37	2.26
17	2.72	3.23	4.33	12.02	12.78	12.22	13.11	10.34	3.14	5.35	2.46	2.32
18	2.71	3.36	3.86	11.59	12.49	11.99	13.22	9.75	2.91	4.46	2.33	2.60
19	2.72	3.43	3.59	12.75	12.57	11.77	13.14	9.66	2.81	3.72	2.25	2.43
20	2.73	3.46	3.46	15.10	12.68	11.43	12.72	9.65	2.94	3.28	2.23	2.75
21	2.74	3.50	3.37	15.85	12.96	10.94	12.05	9.16	2.70	2.95	2.24	4.34
22	2.75	3.50	3.27	16.13	13.12	10.46	11.46	7.76	2.61	2.66	2.21	5.76
23	2.78	3.51	3.22	19.50	13.57	11.47	14.63	5.85	2.69	2.57	2.16	6.36
24	2.77	3.49	3.20	19.55	15.90	12.16	15.70	4.95	2.77	2.61	2.26	6.33
25	2.82	3.50	3.10	18.38	17.52	11.93	16.00	4.81	2.63	2.60	2.18	6.47
26	2.92	3.49	3.05	17.34	18.21	11.60	15.81	5.10	2.54	2.84	2.49	6.57
27	2.94	3.56	3.01	16.95	18.07	11.07	16.01	5.21	2.51	2.77	2.70	6.27
28	2.96	3.50	2.98	16.59	17.71	10.38	16.08	4.90	2.53	2.89	2.71	5.02
29	2.99	3.57	2.93	16.14	---	9.77	15.58	4.53	2.64	3.98	2.71	3.67
30	3.00	3.60	3.30	15.79	---	9.30	14.87	4.77	2.90	3.59	2.78	3.01
31	3.04	---	3.82	16.00	---	8.98	---	7.75	---	3.67	2.80	---
MEAN	2.74	3.28	3.85	13.67	15.06	13.48	14.68	10.29	4.85	2.96	2.55	3.41
MAX	3.04	3.60	5.34	19.55	18.21	17.39	18.65	15.17	8.65	5.35	3.75	6.57
MIN	2.58	3.03	2.93	7.51	12.49	8.98	10.11	4.53	2.51	2.19	2.16	2.17

07372190 LITTLE RIVER AT ROCHELLE, LA

LOCATION.--Lat 31°47'35", long 92°21'42", in NE¼ sec.4, T.9 N., R.1 E., Grant-La Salle Parish line, Hydrologic Unit 08040304, near center of channel on downstream side of bridge on U.S. Highway 165, at Rochelle, 5.0 mi (8.0 km) upstream from gaging station Little River near Rochelle (station 07372200).

DRAINAGE AREA.--1,892 mi² (4,900 km²).

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.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Prior to May 9, 1960, nonrecording gage 0.1 mi (0.2 km) upstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.43 ft (13.237 m) Apr. 14, 1974; minimum, 6.89 ft (2.100 m) Oct. 23, 24, 25, 29, 30, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1938, 50.90 ft (15.514 m) May 19, 1953, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 39.31 ft (11.982 m) Jan. 22; minimum, 6.89 ft (2.100 m) Oct. 23, 24, 25, 29, 30.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.27	6.92	7.97	26.82	35.70	37.31	23.63	33.66	24.05	16.07	10.28	9.10
2	7.21	6.92	8.11	29.61	35.48	36.67	24.01	32.84	25.15	15.53	9.81	8.84
3	7.16	6.93	8.30	30.77	35.28	36.48	26.72	31.82	26.06	14.98	9.58	8.56
4	7.13	6.96	11.18	31.55	35.08	36.29	30.12	31.02	25.67	14.44	9.31	8.34
5	7.20	7.01	12.54	32.06	34.86	36.03	32.64	31.31	24.83	13.90	9.02	8.65
6	7.25	7.03	12.15	32.48	34.81	35.74	36.01	31.56	24.19	13.36	8.76	12.33
7	7.18	7.05	12.12	33.69	35.09	35.45	36.99	31.75	23.75	12.88	8.57	11.19
8	7.15	7.06	12.35	34.63	35.27	35.29	36.93	32.03	23.31	12.37	8.29	8.98
9	7.11	7.10	14.97	35.11	35.31	35.30	36.51	32.12	22.99	11.89	8.09	8.12
10	7.08	7.11	15.15	35.37	35.22	35.20	35.94	31.97	22.76	11.38	7.95	7.84
11	7.13	7.08	14.44	35.20	34.98	34.98	35.31	31.74	22.61	10.88	7.85	7.68
12	7.26	7.04	13.86	34.63	34.56	34.62	34.72	31.56	22.36	10.33	7.83	7.55
13	7.24	7.01	13.42	33.78	34.00	34.13	34.65	31.64	22.10	9.84	7.89	7.41
14	7.16	7.01	12.72	32.63	33.26	33.48	34.89	31.66	21.85	10.28	7.87	7.29
15	7.11	7.06	12.12	31.38	32.38	32.68	35.16	31.31	21.59	11.48	7.73	7.21
16	7.08	7.14	11.70	29.91	31.36	31.74	34.99	30.50	21.31	10.36	7.67	7.18
17	7.03	7.14	11.34	28.13	30.23	30.60	34.31	29.44	21.03	10.57	7.67	7.23
18	6.99	7.10	10.90	26.74	29.49	29.26	33.32	28.42	20.76	11.19	8.04	10.81
19	6.96	7.05	10.34	29.44	29.34	27.89	32.09	27.55	20.51	11.14	7.90	12.33
20	6.94	7.04	9.77	35.81	29.33	26.71	30.74	26.91	20.25	10.40	7.70	18.25
21	6.93	7.01	9.30	38.53	29.68	25.77	29.41	26.50	19.98	10.26	7.53	27.62
22	6.91	6.97	8.97	39.24	30.32	25.21	29.36	26.19	19.72	9.73	7.43	28.75
23	6.90	6.97	8.74	38.86	32.56	25.53	31.55	25.81	19.43	9.87	7.41	29.06
24	6.89	7.03	8.58	38.13	36.48	25.62	33.16	25.42	19.12	9.48	8.48	28.43
25	6.89	7.10	8.46	37.57	38.20	25.58	35.43	25.09	18.83	8.94	9.02	27.12
26	6.94	7.25	8.37	37.38	38.83	25.59	36.48	24.78	18.47	8.84	11.42	25.28
27	6.93	7.56	8.28	37.18	38.63	25.52	36.24	24.48	18.04	11.18	11.39	22.44
28	6.91	7.60	8.18	36.85	38.03	25.28	35.68	24.22	17.59	13.24	10.29	18.37
29	6.90	7.74	8.16	36.48	---	24.84	35.04	24.08	17.09	12.49	10.13	15.08
30	6.90	7.84	11.85	36.13	---	24.23	34.36	24.08	16.58	11.24	10.01	13.11
31	6.91	---	21.29	35.90	---	23.65	---	24.02	---	10.72	9.49	---
MEAN	7.05	7.13	11.15	33.94	34.06	30.73	33.21	28.89	21.40	11.59	8.72	14.01
MAX	7.27	7.84	21.29	39.24	38.83	37.31	36.99	33.66	26.06	16.07	11.42	29.06
MIN	6.89	6.92	7.97	26.74	29.33	23.65	23.63	24.02	16.58	8.84	7.41	7.18

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in SW¼SW¼ sec.14, T.9 N., R.1 E., Grant-La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft (213 m) upstream from Louisiana Midland Railway Co. bridge, 1.1 mi (1.8 km) northeast of Zenoria, and 3.0 mi (4.8 km) southeast of Rochelle.

DRAINAGE AREA.--1,899 mi² (4,918 km²).

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) 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 (8.2 km) upstream from base gage at same datum.

REMARKS.--Water-discharge records good. Natural flow is supplemented by effluent from operation of several oilfields upstream from station.

AVERAGE DISCHARGE.--22 years, 2,043 ft³/s (57.86 m³/s), 14.61 in/yr (371 mm/yr), 1,480,000 acre-ft/yr (1.82 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft³/s (1,550 m³/s) Apr. 14, 1974, gage height, 40.20 ft (12.253 m); minimum daily, 14 ft³/s (0.40 m³/s) Oct. 20-29, 1967; minimum gage height, 5.07 ft (1.545 m) Nov. 3, 4, 1978, but may have been less during period of no gage-height record, Oct. 5 to Nov. 2, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,400 ft³/s (833 m³/s) Jan. 22, gage height, 36.89 ft (11.244 m); minimum, 20 ft³/s (0.57 m³/s) Nov. 1, 2, 3, 4; minimum gage height, 5.07 ft (1.545 m) Nov. 3, 4, 1978, but may have been less during period of no gage-height record, Oct. 5 to Nov. 2, 1978.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	20	78	3830	11000	17100	1980	7600	878	200	296	168
2	40	20	88	5000	10400	14200	2390	6670	2010	196	242	140
3	39	21	115	5600	9910	13500	3720	5560	2600	189	215	116
4	38	21	409	5900	9540	12800	5160	4820	2270	177	187	98
5	39	23	581	6200	9180	11800	6620	5200	1820	161	158	107
6	40	25	528	6540	9080	11100	10300	5460	1510	146	134	466
7	39	26	524	7470	9560	10300	14800	5730	1290	152	116	392
8	38	25	980	8510	9840	9880	15000	6020	1050	161	95	169
9	36	26	1020	9380	9910	9850	13600	6070	899	158	81	98
10	34	27	878	9870	9740	9700	11700	5890	836	159	72	70
11	36	27	878	9680	9360	9380	10200	5650	763	156	63	55
12	38	26	774	8820	8700	8780	9090	5480	702	137	59	45
13	37	25	703	7720	7940	8100	8870	5570	623	118	60	38
14	35	24	606	6640	7190	7410	9170	5600	535	98	60	31
15	33	26	525	5750	6440	6670	9620	5230	486	227	55	26
16	32	27	472	4950	5700	5950	9440	4450	434	270	50	23
17	31	29	426	4120	5020	5170	8450	3540	407	330	46	24
18	30	27	376	3750	4640	4350	7240	2720	377	407	61	230
19	29	27	313	5030	4640	3630	6010	2020	369	405	64	547
20	28	26	253	11800	4730	3130	4870	1700	344	323	54	1570
21	27	25	206	23600	4970	2760	3820	1400	332	303	43	4240
22	26	23	172	28900	5340	2590	3820	1150	345	256	36	4750
23	25	22	152	26400	6810	2840	5610	950	331	255	34	4890
24	24	24	137	21300	13300	2920	7080	777	301	229	83	4620
25	24	26	126	18300	21400	2910	9860	611	313	175	138	4100
26	23	33	118	17300	26000	2960	13000	551	311	162	364	3420
27	23	49	112	16300	24700	2920	12600	532	249	374	427	2600
28	22	53	105	14800	20800	2790	11100	497	235	674	296	1550
29	22	64	103	13400	---	2540	9720	521	226	568	273	918
30	21	71	497	12200	---	2200	8580	590	215	414	260	627
31	21	---	2420	11400	---	1900	---	642	---	346	219	---
TOTAL	971	888	14675	340460	285840	212130	253420	109201	23061	7926	4341	36128
MEAN	31.3	29.6	473	10980	10210	6843	8447	3523	769	256	140	1204
MAX	41	71	2420	28900	26000	17100	15000	7600	2600	674	427	4890
MIN	21	20	78	3750	4640	1900	1980	497	215	98	34	23
CFSM	.02	.02	.25	5.84	5.43	3.64	4.49	1.87	.41	.14	.07	.64
IN.	.02	.02	.29	6.74	5.66	4.20	5.01	2.16	.46	.16	.09	.71
AC-FT	1930	1760	29110	675300	567000	420800	502700	216600	45740	15720	8610	71660
CAL YR 1978 TOTAL	369850			MEAN 1013	MAX 14600	MIN 20	CFSM .54	IN 7.32	AC-FT 733600			
WTR YR 1979 TOTAL	1289041			MEAN 3532	MAX 28900	MIN 20	CFSM 1.88	IN 25.51	AC-FT 2557000			

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.50	---	6.02	24.57	32.59	34.86	22.71	30.92	23.87	16.03	8.58	7.43
2	5.49	---	6.16	---	32.29	34.08	22.71	30.40	24.42	15.48	8.11	7.15
3	5.48	5.08	6.56	---	32.03	33.88	24.09	29.81	25.00	14.93	7.83	6.89
4	5.47	5.08	9.27	---	31.79	33.48	27.52	29.31	24.82	14.38	7.59	6.65
5	---	5.11	10.69	---	31.57	33.07	29.07	29.36	24.21	13.84	7.32	6.68
6	---	5.16	10.29	28.86	31.50	32.66	31.70	29.45	23.72	13.30	7.07	9.42
7	---	5.18	10.18	29.93	31.80	32.26	33.93	29.49	23.38	12.81	6.88	9.96
8	---	5.17	10.40	30.90	31.97	31.98	34.19	29.62	23.03	12.28	6.64	8.07
9	---	5.18	12.91	31.52	32.00	31.93	33.77	29.70	22.77	11.77	6.45	6.86
10	---	5.21	13.41	31.85	31.90	31.88	33.07	29.65	22.57	11.23	6.31	6.31
11	---	5.21	12.63	31.83	31.67	31.70	32.30	29.53	22.44	10.73	6.15	6.05
12	---	5.18	11.93	31.37	31.29	31.35	31.64	29.44	22.22	10.18	6.07	5.89
13	---	5.16	11.45	30.64	30.79	30.92	31.42	29.48	21.97	9.69	6.07	5.75
14	---	5.14	10.86	29.75	30.19	30.38	31.53	29.46	21.75	10.19	6.08	5.62
15	---	5.14	10.27	28.72	29.54	29.77	31.79	29.28	21.51	11.24	6.03	5.51
16	---	5.22	9.84	27.53	28.78	29.09	31.79	28.83	21.24	9.63	5.93	5.44
17	---	5.25	9.48	26.03	27.91	28.28	31.28	28.22	20.96	9.20	5.85	5.45
18	---	5.22	9.11	24.50	27.31	27.32	30.54	27.59	20.70	9.49	6.08	7.55
19	---	5.20	8.63	26.70	27.09	26.29	29.68	27.01	20.45	9.52	6.15	10.48
20	---	5.19	8.11	32.50	26.96	25.29	28.83	---	20.20	8.96	6.01	14.88
21	---	5.17	7.64	35.86	27.13	24.50	28.01	---	19.93	8.50	5.84	24.92
22	---	5.14	7.29	36.82	27.50	24.00	27.96	---	19.67	8.29	5.71	25.79
23	---	5.13	7.04	36.54	29.35	24.12	29.28	---	19.38	8.02	5.66	26.02
24	---	5.14	6.86	35.79	33.36	24.15	30.23	25.31	19.07	7.94	6.31	25.51
25	---	5.19	6.72	35.11	35.51	24.10	31.67	25.01	18.77	7.39	7.00	24.29
26	---	5.34	6.62	34.83	36.38	24.06	33.35	24.72	18.41	7.24	8.68	22.68
27	---	5.59	6.54	34.61	36.28	24.01	33.41	24.41	18.00	8.74	9.67	20.37
28	---	5.67	6.47	34.20	35.68	23.86	32.82	24.16	17.54	11.09	8.76	16.96
29	---	5.84	6.44	33.70	---	23.59	32.13	24.01	17.05	10.76	8.32	13.79
30	---	5.95	9.31	33.23	---	23.20	31.48	24.00	16.54	9.64	8.22	11.75
31	---	---	18.73	32.89	---	22.82	---	23.92	---	8.97	7.84	---
MEAN	---	---	9.29	---	31.15	28.48	30.46	---	21.19	10.69	6.94	12.00
MAX	5.50	5.95	18.73	36.82	36.38	34.86	34.19	30.92	25.00	16.03	9.67	26.02
MIN	---	---	6.02	24.50	26.96	22.82	22.71	23.92	16.54	7.24	5.66	5.44

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 1964 to current year.

INSTRUMENTATION.--Specific conductance recorder (strip chart) since October 1964.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 26,800 micromhos Dec. 4, 1965; minimum, 40 micromhos Apr. 11-13, June 12-16, 1975.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,200 micromhos July 16; minimum, 50 micromhos Feb. 27, 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SIREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT												
18...	1200	1070	7.8	16.5	250	25	8.7	3.8	K30	K3400	38	0
NOV												
21...	1400	1580	7.7	15.5	500	20	7.0	.9	120	740	160	0
DEC												
07...	1030	632	7.2	13.5	200	50	9.2	4.1	--	4600	42	0
JAN												
03...	1400	91	6.2	8.0	60	35	9.9	4.3	880	1800	17	8
FEB												
12...	1645	64	5.9	7.5	60	25	10.0	2.1	K52	K70	13	6
MAR												
07...	1830	63	5.8	14.0	60	20	10.8	2.8	K40	K60	14	5
20...	1200	103	7.0	19.0	120	55	6.5	1.8	720	620	--	--
APR												
09...	1600	62	5.8	18.0	100	110	7.0	1.5	K85	160	15	7
MAY												
15...	0830	76	6.1	20.0	100	25	6.0	2.1	220	340	19	8
JUN												
06...	1630	170	6.3	24.0	100	20	6.0	1.1	K110	270	23	6
JUL												
17...	1505	3030	7.3	29.5	120	45	5.5	2.3	170	150	130	35
AUG												
08...	1515	507	6.7	32.0	200	40	4.7	--	K80	--	38	0
SEP												
06...	1700	326	6.3	26.0	180	220	5.1	6.3	2200	3400	19	0

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

RED RIVER BASIN

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07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 18...	14	.8	220	90	15	--	10	257	0	211	160	100
NOV 21...	15	30	310	79	11	--	16	340	0	280	340	130
DEC 07...	13	2.2	120	64	8.1	--	7.5	120	0	98	130	55
JAN 03...	5.1	1.0	9.7	51	1.0	--	2.6	11	0	9	17	13
FEB 12...	4.0	.7	5.6	46	.7	--	1.3	8	0	7	13	6.2
MAR 07...	2.8	1.7	5.9	45	.7	--	1.3	11	0	9	11	6.3
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 09...	3.0	1.8	5.4	40	.6	7.2	1.8	10	0	8	11	5.7
MAY 15...	5.8	1.1	7.7	44	.8	--	1.9	13	0	11	11	8.5
JUN 06...	6.8	1.4	24	67	2.2	--	2.0	21	0	17	25	23
JUL 17...	34	10	560	90	22	570	7.0	111	0	91	60	890
AUG 08...	11	2.6	90	82	6.4	--	4.3	99	0	81	69	64
SEP 06...	5.5	1.3	52	83	5.2	55	2.7	25	0	21	18	64
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 CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)
OCT 18...	.2	20	713	653	.97	.08	1.2	1.3	5.7	.47	--	--
NOV 21...	.1	28	1040	1040	1.41	.80	7.4	8.2	36	.53	--	--
DEC 07...	.1	14	418	401	.57	.13	.89	1.0	4.5	.19	--	--
JAN 03...	.0	4.3	79	59	.11	.05	.73	.78	3.5	.06	--	--
FEB 12...	.0	7.9	60	43	.08	.00	.41	.42	1.9	.05	--	--
MAR 07...	.1	6.7	60	41	.08	.01	.49	.50	2.2	.03	--	--
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 09...	.1	6.7	65	41	.09	.04	.61	.65	2.9	.16	.49	.49
MAY 15...	.1	7.1	52	50	.07	.09	1.0	1.1	4.8	.07	.21	.21
JUN 06...	.1	9.4	114	102	.16	.19	.78	.97	4.3	.08	.25	.25
JUL 17...	.1	12	1670	1630	2.27	.38	1.7	2.1	9.2	.11	--	.34
AUG 08...	.1	15	318	305	.43	.33	.94	1.3	5.6	.22	--	.67
SEP 06...	.1	4.7	187	161	.25	.13	1.7	1.8	8.1	.04	--	.12

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL TOM MA- TERIAL (UG/G AS AS)	DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, VALENT, DIS. (UG/L AS CH)	DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. TOM MA- TERIAL (UG/G AS CU)	DIS- SOLVED (UG/L AS FE)	IRON, RECOV. TOM MA- TERIAL (UG/G AS FE)	DIS- SOLVED (UG/L AS PB)
OCT 18...	2	2	1	0	2	0	12	1	770	44000	1
JAN 03...	2	--	3	--	--	0	15	--	460	--	3
APR 09...	1	--	0	--	--	0	6	--	500	--	0
JUL 17...	1	--	1	--	--	0	3	--	390	--	0

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV. ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 18...	0	240	17	.0	.01	30	2	23	.00	2
JAN 03...	--	160	--	.0	--	60	--	20	--	--
APR 09...	--	30	--	.1	--	30	--	--	--	--
JUL 17...	--	1400	--	.1	--	10	--	19	--	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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)
NOV 21...	.0	0	.00	.00	.0	.0	0	.00	.1	.00	.0	.00
APR 09...	.0	--	.00	.00	--	.0	--	.00	--	.00	--	.00

DATE	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- ELURIN, TOTAL (UG/L)	DI- ELURIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRI- N, TOTAL (UG/L)	ENDRI- N, 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)
NOV 21...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
APR 09...	--	.00	--	.00	--	.00	.00	--	.00	--	.00

DATE	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)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 21...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 09...	--	.00	--	.00	--	.00	--	.00	--	.00	--

RED RIVER BASIN

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07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, 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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 21...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00
APR 09...	.00	.00	--	.00	0	--	.00	--	.03	.02	.00

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	1430	---	175	80	55	190	80	---	330	255	
2	1090	1440	---	130	85	60	240	85	---	375	270	
3	1100	1450	---	95	75	65	270	130	---	420	290	
4	1130	1440	---	90	70	75	170	180	---	470	345	
5	1130	1430	---	80	70	75	100	---	---	510	390	
6	1170	1400	---	85	80	70	75	---	---	550	435	
7	1320	1350	---	110	80	60	60	---	---	595	480	
8	1300	1300	---	100	80	65	65	---	---	680	490	
9	1180	1300	---	75	80	65	70	---	---	670	510	
10	1120	1330	---	70	70	70	65	---	---	632	630	
11	1080	1350	---	70	65	70	65	70	---	670	520	
12	1050	1340	---	70	60	80	110	80	---	690	515	
13	1050	1340	---	75	70	90	90	85	---	725	520	
14	1200	1370	355	85	70	85	75	80	---	780	555	
15	2180	1420	370	95	70	90	65	75	---	850	620	
16	2120	1450	360	120	80	110	70	80	---	2200	715	
17	1680	1460	290	150	90	110	80	85	---	1550	780	
18	1440	1500	270	185	95	120	90	95	---	650	765	
19	1280	1510	295	270	140	135	110	---	200	540	710	
20	1200	1500	330	130	115	150	110	---	215	455	790	
21	1140	1540	360	80	125	165	190	---	230	390	825	
22	1120	1570	390	60	105	175	160	---	235	570	840	
23	1130	1590	380	60	120	250	90	---	240	570	850	
24	1160	1610	370	60	90	260	70	---	250	490	940	
25	1190	1640	375	60	75	190	70	---	255	400	1650	
26	1210	---	365	70	60	150	60	---	270	520	1180	
27	1250	---	390	80	50	130	55	---	280	620	---	
28	1280	---	410	95	50	130	60	---	290	680	---	
29	1320	---	520	90	---	130	60	---	305	340	---	
30	1330	---	750	90	---	130	75	---	315	300	---	
31	1380	---	400	85	---	160	---	---	---	255	---	

RED RIVER BASIN

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

LOCATION.--Lat 31°32'10", long 92°24'30", in SW¼SE¼ sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi (0.8 km) upstream from Sugar Branch, 0.6 mi (1.0 km) upstream from Missouri Pacific Railroad Co. bridge, 0.8 mi (1.3 km) upstream from water-supply diversion dam, 0.8 mi (1.3 km) north of Pollock, and 1.3 mi (2.1 km) downstream from Dyson Creek.

DRAINAGE AREA.--51 mi² (132 km²), 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 (23.375 m) 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 (0.5 km) 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 (6.1 km) northwest of gaging station since June 26, 1964.

AVERAGE DISCHARGE.--37 years, 60.4 ft³/s (1.711 m³/s), 16.08 in/yr (408 mm/yr), 43,760 acre-ft/yr (54.0 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s (666 m³/s) Apr. 29, 1953, gage height, 18.03 ft (5.496 m), 16.90 ft (5.151 m), site then in use; minimum, 3.7 ft³/s (0.10 m³/s) Sept. 29, 1956, gage height, 1.08 ft (0.329 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 650 ft³/s (18 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	1400	2310 65.4	11.17 3.405	Feb. 23	2300	*7410 210	*14.55 4.435
Jan. 7	0730	948 26.8	8.71 2.655	Mar. 3	0630	2130 60.3	10.99 3.350
Jan. 20	1400	2890 81.8	11.74 3.578	Sept. 21	0200	1900 53.8	10.74 3.274

Minimum discharge, 12 ft³/s (0.34 m³/s) Oct. 16-25, 26, Oct. 30 to Nov. 5, Nov. 6; minimum gage height, 2.86 ft (0.872 m) Nov. 4, 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	26	1520	102	79	51	50	54	20	20	19
2	13	12	21	415	85	408	77	51	148	19	19	19
3	13	12	80	117	170	1390	371	52	82	18	19	23
4	13	12	241	82	100	343	323	86	53	19	19	20
5	16	12	90	68	140	129	117	92	48	18	18	24
6	22	14	50	228	300	98	82	58	44	18	17	63
7	16	16	30	686	350	86	71	51	39	19	16	29
8	14	16	45	229	150	79	66	48	34	23	16	23
9	14	14	150	96	90	72	68	43	32	22	16	20
10	14	13	80	76	70	86	60	41	29	21	16	19
11	14	13	35	63	64	129	57	40	28	28	18	18
12	13	13	31	58	60	86	79	56	25	24	44	18
13	13	13	28	56	57	74	111	46	24	23	26	18
14	13	13	28	49	56	69	69	40	24	23	19	17
15	13	16	26	45	53	62	54	37	24	24	18	16
16	12	17	27	44	51	66	53	35	24	23	17	16
17	12	16	24	43	61	79	49	33	24	21	16	16
18	12	14	22	42	178	69	44	32	23	19	16	76
19	12	14	22	1310	94	66	43	31	23	18	16	106
20	12	19	23	2690	115	69	48	30	24	19	17	596
21	12	20	25	824	102	69	113	30	23	24	17	1110
22	12	17	23	120	117	88	323	32	23	22	16	106
23	12	16	21	90	2280	122	439	33	22	19	16	62
24	12	16	20	75	2800	72	129	31	22	19	57	48
25	12	15	20	75	354	61	82	29	21	27	32	41
26	15	23	19	200	134	57	74	29	21	58	33	36
27	16	50	19	80	100	54	72	28	21	88	26	33
28	14	28	19	70	88	53	60	28	20	37	22	32
29	13	43	26	66	---	53	56	40	19	27	23	30
30	12	44	193	180	---	52	54	77	20	23	23	28
31	12	---	553	255	---	51	---	62	---	21	20	---
TOTAL	417	553	2017	9952	8321	4271	3295	1371	1018	784	668	2682
MEAN	13.5	18.4	65.1	321	297	138	110	44.2	33.9	25.3	21.5	89.4
MAX	22	50	553	2690	2800	1390	439	92	148	88	57	1110
MIN	12	12	19	42	51	51	43	28	19	18	16	16
CFSM	.26	.36	1.28	6.29	5.82	2.71	2.16	.87	.66	.50	.42	1.75
IN.	.30	.40	1.47	7.26	6.07	3.12	2.40	1.00	.74	.57	.49	1.96
AC-FT	827	1100	4000	19740	16500	8470	6540	2720	2020	1560	1320	5320
(+)	0.84	4.36	8.34	10.36	8.88	5.45	5.93	3.06	0.98	3.29	2.52	7.69
(+)	1.14	3.45	10.56	11.40	9.50	5.46	5.78	2.63	2.03	3.27	3.56	8.72

CAL YR 1978 TOTAL 15355 MEAN 42.1 MAX 656 MIN 11 CFSM .83 IN 11.20 AC-FT 30460
WTR YR 1979 TOTAL 35349 MEAN 96.8 MAX 2800 MIN 12 CFSM 1.90 IN 25.78 AC-FT 70110

† Precipitation, in inches, during month at rain gage at station. Total for calendar year 1978, 46.82 inches; total for water year 1979, 61.70 inches.

‡ Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1978, 50.57 inches; total for water year 1979, 67.50 inches.

RED RIVER BASIN

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07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.93	2.87	3.12	9.98	3.70	3.58	3.38	3.37	3.41	3.03	3.03	3.01
2	2.92	2.87	3.05	7.26	---	5.36	3.57	3.38	3.90	3.01	3.02	3.02
3	2.91	2.87	3.45	3.77	---	10.02	5.36	3.39	3.60	3.00	3.01	3.08
4	2.91	2.86	4.36	3.60	---	5.17	4.98	3.62	3.40	3.01	3.01	3.03
5	2.98	2.86	---	3.51	---	3.82	3.77	3.65	3.35	2.99	3.00	3.10
6	3.06	2.92	---	4.38	---	3.68	3.60	3.44	3.32	2.99	2.98	3.48
7	2.96	2.96	---	7.47	---	3.62	3.53	3.38	3.27	3.01	2.97	3.16
8	2.93	2.95	---	4.29	---	3.58	3.50	3.35	3.22	3.07	2.97	3.07
9	2.91	2.91	---	3.67	---	3.54	3.51	3.31	3.19	3.06	2.96	3.03
10	2.91	2.90	---	3.56	---	3.62	3.45	3.29	3.16	3.05	2.96	3.01
11	2.91	2.90	3.23	3.48	---	3.82	3.43	3.28	3.14	3.15	3.00	3.00
12	2.90	2.90	3.18	3.44	3.45	3.62	3.58	3.42	3.11	3.10	3.32	2.99
13	2.90	2.90	3.15	3.42	3.43	3.55	3.74	3.34	3.09	3.07	3.12	2.99
14	2.89	2.90	3.14	3.36	3.42	3.52	3.52	3.28	3.10	3.08	3.02	2.98
15	2.89	2.95	3.12	3.33	3.40	3.47	3.41	3.25	3.09	3.09	3.00	2.96
16	2.88	2.98	3.13	3.32	3.38	3.50	3.40	3.23	3.09	3.08	2.98	2.95
17	2.88	2.97	3.10	3.31	3.46	3.58	3.36	3.21	3.10	3.05	2.97	2.96
18	---	2.93	---	3.30	4.03	3.52	3.32	3.20	3.08	3.02	2.97	3.56
19	---	2.93	---	7.83	3.66	3.50	3.31	3.18	3.08	3.00	2.97	3.72
20	2.88	3.02	---	11.55	3.76	3.52	3.35	3.17	3.09	3.01	2.98	6.41
21	2.87	3.03	---	7.70	3.70	3.52	3.75	3.17	3.08	3.09	2.98	8.48
22	2.87	2.98	---	---	3.77	3.63	5.00	3.19	3.07	3.06	2.95	3.72
23	2.87	2.95	---	---	8.60	3.79	5.87	3.21	3.06	3.02	2.97	3.47
24	2.87	2.95	---	---	11.14	3.54	3.82	3.18	3.06	3.02	3.44	3.35
25	2.87	2.94	---	---	5.84	3.46	3.60	3.16	3.05	3.13	3.20	3.29
26	2.94	3.07	---	---	3.84	3.43	3.55	3.16	3.05	3.44	3.21	3.24
27	2.97	3.37	3.02	---	3.69	3.41	3.54	3.14	3.05	3.63	3.12	3.21
28	2.92	3.14	3.02	---	3.63	3.40	3.45	3.14	3.03	3.25	3.06	3.19
29	2.89	3.31	3.12	3.50	---	3.40	3.42	3.28	3.02	3.13	3.08	3.17
30	2.88	3.32	4.18	4.04	---	3.39	3.41	3.57	3.03	3.07	3.07	3.15
31	2.88	---	6.17	4.46	---	3.38	---	3.47	---	3.04	3.03	---
MEAN	---	2.98	---	---	---	3.87	3.75	3.30	3.18	3.09	3.04	3.46
MAX	3.06	3.37	6.17	11.55	11.14	10.02	5.87	3.65	3.90	3.63	3.44	8.48
MIN	2.87	2.86	3.02	3.30	3.38	3.38	3.31	3.14	3.02	2.99	2.95	2.95

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1964 to September 1973, October 1974 to current year.

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 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT									
18...	0845	42	6.6	11.5	15	5	9.9	1.5	7200
NOV									
21...	1230	40	6.3	14.0	30	3	9.4	1.6	720
DEC									
07...	0915	45	5.9	15.5	60	10	9.2	2.1	K85000
JAN									
03...	1130	36	6.3	5.5	50	15	10.2	1.6	1200
FEB									
12...	1700	34	6.2	11.0	30	10	10.4	1.7	560
MAR									
08...	0745	31	6.0	11.0	30	8	10.5	2.3	K240
APR									
09...	1615	37	6.0	18.0	30	10	9.3	7.0	K320
MAY									
15...	0800	43	6.3	17.5	50	10	8.3	1.3	200
JUN									
04...	1545	35	6.1	23.0	60	10	7.0	1.9	200
JUL									
17...	1540	38	6.7	26.0	40	7	7.9	2.7	11000
AUG									
06...	1615	40	6.5	28.0	20	5	7.1	--	300
SEP									
04...	1645	44	6.3	25.0	30	6	7.0	--	--

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 1978 TO SEPTEMBER 1979

	COLIFORM, FECAL, U./ UM-MF (COLS./	STREPTOCOCCI FECAL, KF AGAR (COLS./ PER	HARD- NESS (MG/L AS	HARD- NESS, NONCARBONATE (MG/L	CALCIUM DIS- SOLVED (MG/L	MAGNE- SIUM, DIS- SOLVED (MG/L	SODIUM, DIS- SOLVED (MG/L	POTAS- SIUM, DIS- SOLVED (MG/L	BICAR- BONATE (MG/L AS
OCT 18...	260	--	6	0	1.4	.7	5.1	1.3	14
NOV 21...	K340	K320	7	0	1.7	.7	4.4	1.7	13
DEC 07...	540	1700	10	2	2.2	1.0	5.1	2.0	10
JAN 03...	340	540	12	5	3.0	1.0	3.4	1.5	8
FEB 12...	K80	K20	6	0	1.6	.6	3.0	.9	9
MAR 08...	120	210	6	0	1.8	.4	3.6	.7	8
APR 09...	80	K50	9	1	2.4	.7	4.0	1.4	10
MAY 15...	K120	300	8	0	1.7	.9	4.3	1.1	12
JUN 04...	200	470	9	0	2.3	.7	3.9	1.1	11
JUL 17...	230	330	7	0	1.7	.7	4.1	1.4	13
AUG 06...	220	--	8	0	2.6	.4	4.2	1.4	16
SEP 04...	K170	230	8	0	2.0	.8	4.2	1.7	14

DATE	CARBONATE (MG/L AS CO3)	ALKALINITY (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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 18...	0	11	2.1	4.2	.0	24	45	.02	.02
NOV 21...	0	11	3.1	4.2	.0	21	47	.04	.03
DEC 07...	0	8	4.9	6.5	.0	18	58	.07	.04
JAN 03...	0	7	6.7	4.6	.0	11	40	.10	.02
FEB 12...	0	7	.8	3.8	.0	16	36	.05	.02
MAR 08...	0	7	1.5	3.8	.0	14	35	.03	.01
APR 09...	0	8	2.2	5.0	.0	15	45	.06	.09
MAY 15...	0	10	4.1	4.1	.1	17	48	.07	.02
JUN 04...	0	9	3.5	3.7	.0	13	44	.07	.04
JUL 17...	0	11	2.2	4.2	.0	22	50	.06	.06
AUG 06...	0	13	--	4.4	.0	20	46	.08	.02
SEP 04...	0	11	3.1	4.0	.0	20	53	.07	.02

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 18...	0	0	0	0	4	380	0	10	.0	0	0	0
APR 09...	1	0	0	0	9	70	17	60	.1	0	0	20
DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/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/ YI-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YI-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)	CYANIDE TOTAL (MG/L AS CN)	PCB, TOTAL (UG/L)
OCT 18...	--	--	--	--	--	--	--	--	--	--	.00	.0
APR 09...	.5	.3	.9	.6	1.7	.6	1.6	.7	.04	.04	.00	--
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENFS, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/KG)	CHLOR- DANE, TOTAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL (UG/KG)
OCT 18...	0	.00	.00	.0	.0	0	.00	.0	.00	.0	.00	.0
DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	DI- TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDU- SULFAN, TOTAL (UG/L)	ENDU- SULFAN, TOTAL (UG/L)	TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
OCT 18...	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0	.00
DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL THIOL, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 18...	.0	.00	.00	.00	.00	.00	0	0	.00	.00	.00	.00

RED RIVER BASIN

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07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
18...	31	58
30...	10	90
NOV		
27...	29	76
DEC		
07...	28	86
JAN		
03...	22	68
FEB		
12...	19	84
27...	18	89
27...	18	89
MAR		
08...	25	64
12...	21	81
APR		
09...	34	67
30...	16	81
MAY		
15...	56	62
31...	38	87
JUN		
04...	36	88
27...	27	70
JUL		
17...	17	94
25...	40	68
AUG		
06...	19	84
10...	33	67
SEP		
04...	32	77
04...	32	77
10...	51	59

RED RIVER BASIN

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'00", long 91°27'30", lot 47, T.8 N., R.10 E., Concordia Parish, Hydrologic Unit 08040306, at private fishing pier, 8.5 mi (13.7 km) southwest of Waterproof.

DRAINAGE AREA.--14.8 mi² (38.3 km²).

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. Prior to Oct. 1, 1976, at datum 50.00 ft (15.240 m) 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-ft (1.22-m) pipes (invert elevations, 47.9 ft or 14.60 m) with stoplogs which raise elevation to 53.0 ft (16.15 m). Structure built about 1948. Adjacent to the floodgate is Buckner Bayou weir, which was built about 1975. The weir has a 30-ft (9.1-m) length with crest elevation of 53.0 ft (16.15 m).

Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on western side of lake. This structure consists of two 8.5-by 3.5-ft (2.59- by 1.07-m) timber gates with invert of gates at elevation 53.0 ft (16.15 m) and was built about 1967.

Little Tensas Bayou Control Structure is located at northeast end of Lake St. John and consists of a 5.0-ft (1.52-m) pipe with flap valve. Invert of pipe is 50.3 ft (15.33 m) elevation.

Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft (17.730 m), present datum, May 13, 1973; minimum, 51.47 ft (15.688 m), present datum, Nov. 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 56.03 ft (17.078 m) Apr. 25; minimum, 51.47 ft (15.688 m) Nov. 26.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.19	51.66	51.65	51.97	54.74	54.74	53.96	55.44	53.88	53.50	53.40	52.89
2	52.18	51.65	51.65	52.06	54.66	54.67	54.04	55.32	53.88	53.48	53.38	52.87
3	52.16	51.64	51.64	52.06	54.63	54.89	54.10	55.22	53.87	53.46	53.38	52.86
4	52.16	51.63	51.76	52.05	54.59	55.10	54.28	55.22	53.85	53.45	53.36	52.84
5	52.14	51.62	51.74	52.04	54.56	55.11	54.31	55.16	53.83	53.42	53.35	52.82
6	52.13	51.60	51.73	52.12	54.61	55.04	54.29	55.07	53.83	53.40	53.33	52.81
7	52.09	51.64	51.72	52.32	54.76	54.96	54.28	54.97	53.80	53.39	53.31	52.80
8	52.07	51.61	51.73	52.42	54.74	54.87	54.24	54.90	53.78	53.36	53.29	52.78
9	52.04	51.59	51.78	52.41	54.70	54.79	54.25	54.82	53.76	53.40	53.27	52.74
10	52.02	51.58	51.75	52.41	54.61	54.72	54.21	54.74	53.76	53.38	53.24	52.72
11	52.01	51.57	51.74	52.40	54.54	54.69	54.18	54.67	53.77	53.38	53.22	52.70
12	52.00	51.56	51.72	52.39	54.48	54.60	54.27	54.65	53.72	53.39	53.20	52.68
13	51.98	51.56	51.72	52.39	54.42	54.54	54.46	54.57	53.69	53.37	53.18	52.65
14	51.97	51.55	51.71	52.37	54.37	54.50	54.47	54.49	53.67	---	53.16	52.63
15	51.92	51.54	51.69	52.36	54.32	54.42	54.45	54.43	53.64	---	53.14	52.60
16	51.90	51.58	51.69	52.35	54.31	54.36	54.41	54.37	53.61	---	53.13	52.55
17	51.87	51.59	51.68	52.35	54.23	54.32	54.37	54.32	53.59	53.36	53.10	52.53
18	51.85	51.57	51.67	52.37	54.33	54.27	54.34	54.26	53.57	53.34	53.09	52.55
19	51.83	51.55	51.65	52.38	54.31	54.23	54.30	54.21	53.55	53.36	53.06	52.54
20	51.82	51.55	51.66	53.71	54.31	54.25	54.28	54.16	53.53	53.34	53.05	52.62
21	51.81	51.54	51.68	54.46	54.28	54.23	54.26	54.11	53.51	53.33	53.03	52.98
22	51.80	51.52	51.67	54.74	54.24	54.21	54.82	54.06	53.49	53.32	53.01	52.97
23	51.79	51.51	51.66	54.82	54.34	54.21	55.76	54.05	53.47	53.30	53.00	52.96
24	51.78	51.51	51.65	54.91	54.82	54.16	55.97	54.01	53.45	53.30	52.98	52.94
25	51.77	51.50	51.64	54.87	54.93	54.12	56.02	53.96	53.45	53.29	52.96	52.92
26	51.75	51.49	51.63	54.83	54.93	54.08	55.99	53.91	53.43	53.43	52.96	52.91
27	51.74	51.59	51.62	54.90	54.86	54.05	55.93	53.87	53.40	53.48	52.95	52.89
28	51.72	51.56	51.60	54.84	54.80	54.03	55.80	53.84	53.39	53.47	52.93	52.88
29	51.70	51.63	51.58	54.78	---	54.01	55.68	53.83	53.36	53.45	52.93	52.87
30	51.68	51.67	51.69	54.71	---	53.99	55.56	53.88	53.34	53.44	52.92	52.86
31	51.67	---	51.81	54.80	---	53.98	---	53.89	---	53.42	52.90	---
MEAN	51.92	51.58	51.69	53.21	54.55	54.46	54.71	54.46	53.63	---	53.14	52.78
MAX	52.19	51.67	51.81	54.91	54.93	55.11	56.02	55.44	53.88	53.50	53.40	52.98
MIN	51.67	51.49	51.58	51.97	54.23	53.98	53.96	53.83	53.34	53.29	52.90	52.53

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 1.5 mi (2.4 km) southeast of gage.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
DEC 20...	1500	151	8.0	14.5	0	5	11.9	4.6	<5	220	50	0
FEB 14...	1345	125	7.1	8.5	30	20	11.0	4.8	<5	K28	45	1
APR 13...	1145	118	7.1	22.0	10	7	9.2	2.6	<5	K20	40	0
JUN 25...	1600	134	8.6	29.0	20	8	8.8	5.5	<4	K80	44	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (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)
DEC 20...	13	4.3	7.0	21	.4	5.0	65	0	53	2.2	12	.0
FEB 14...	13	3.1	6.0	21	.4	4.0	54	0	44	2.3	10	.1
APR 13...	11	3.0	5.5	21	.4	3.8	48	0	39	3.2	8.5	.1
JUN 25...	12	3.5	6.6	22	.4	4.2	48	4	46	9.5	4.2	.1

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
DEC 20...	2.2	92	78	.10	.22	.77	.99	4.4	.05	--	--
FEB 14...	1.0	71	66	.10	.24	.80	1.0	4.6	.11	--	--
APR 13...	.1	66	59	.09	.05	.82	.87	3.9	.06	.18	.18
JUN 25...	2.5	73	70	.10	.01	1.3	1.3	5.8	.05	.15	.15

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM 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)	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)
DEC 20...	1	22	2	1	10	3	8	24	10	17000	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/L 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 (UG/L)	PCB, TOTAL (UG/L)
DEC 20...	40	0	780	.0	.04	0	80	6.8	.00	2	.0

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

RED RIVER BASIN

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 20...	1	.00	.1	.0	30	.00	11	.00	36	.00	2.7

DATE	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)	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)
DEC 20...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	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)	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)
DEC 20...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	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)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 20...	.0	.00	.0	.00	0	0	.00	.0	.02	.00	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
25...	1600	.0	134	8.6	29.0	8.8
25...	1601	.0	165	9.1	29.0	8.8
25...	1602	5.0	210	9.1	28.5	8.4
25...	1603	10	165	8.9	28.5	7.6
25...	1604	15	165	8.7	28.5	7.1
25...	1605	20	165	8.4	28.0	6.1

RED RIVER BASIN

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07373280 LAKE CONCORDIA NEAR FERRIDAY, LA

LOCATION.--Lat 31°40'25", long 91°30'05", in lot 33, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, at Louisiana Wildlife and Fisheries Commission pier, and 3.5 mi (5.6 km) northeast of Ferriday.

DRAINAGE AREA.--8.91 mi² (23.08 km²).

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. Prior to Oct. 1, 1976, at datum 29.00 ft (8.839 m) higher.

REMARKS.--Lake is formed from an oxbow lake by two adjacent structures on Bayou Cocodrie. One structure, built about 1948, is a 4-ft (1.22-m) pipe with invert at 46.0 ft (14.02 m). The second structure is a 5.0-ft (1.52-m) pipe with a single gate. The invert of this pipe is 42.0 ft (12.80 m). 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 (16.865 m), present datum, May 14, 1973; minimum, 48.87 ft (14.896 m), present datum, Dec. 9, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 52.56 ft (16.020 m) Apr. 24, 25, 26; minimum, 48.91 ft (14.908 m) Nov. 24, 25, 26.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.35	49.01	49.13	49.50	51.56	51.52	50.84	52.26	50.98	50.40	50.19	49.65
2	49.34	49.00	49.13	49.55	51.50	51.47	50.91	52.20	50.96	50.40	50.17	49.63
3	49.34	48.99	49.14	49.54	51.48	51.71	50.90	52.14	50.94	50.38	50.15	49.62
4	49.39	48.98	49.24	49.54	51.46	51.79	51.07	52.14	50.90	50.37	50.13	49.61
5	49.38	48.98	49.25	49.53	51.43	51.77	51.06	52.11	50.87	50.35	50.10	49.60
6	49.36	48.96	49.24	49.60	51.49	51.74	51.04	52.05	50.84	50.33	50.08	49.59
7	49.34	48.98	49.25	49.83	51.59	51.70	51.03	51.99	50.81	50.31	50.05	49.58
8	49.32	48.97	49.26	49.84	51.57	51.65	51.02	51.94	50.77	50.29	50.02	49.57
9	49.30	48.96	49.29	49.84	51.52	51.61	51.02	51.90	50.73	50.28	50.00	49.54
10	49.29	48.95	49.27	49.84	51.47	51.55	51.01	51.81	50.72	50.27	49.98	49.52
11	49.28	48.95	49.25	49.81	51.41	51.55	51.02	51.80	50.74	50.25	49.95	49.51
12	49.27	48.94	49.25	49.80	51.37	51.50	51.08	51.81	50.68	50.28	49.92	49.48
13	49.26	48.94	49.24	49.81	51.31	51.45	51.20	51.74	50.65	50.26	49.89	49.48
14	49.23	48.94	49.22	49.78	51.27	51.38	51.20	51.69	50.60	50.26	49.88	49.45
15	49.21	48.93	49.22	49.77	51.23	51.35	51.18	51.63	50.57	50.27	49.86	49.42
16	49.20	48.98	49.22	49.77	51.15	51.31	51.14	51.57	50.53	50.25	49.84	49.39
17	49.17	48.99	49.21	49.76	51.11	51.27	51.10	51.52	50.50	50.24	49.82	49.38
18	49.15	48.97	49.20	49.78	51.20	51.23	51.08	51.47	50.47	50.22	49.80	49.41
19	49.14	48.95	49.20	49.80	51.17	51.20	51.04	51.42	50.44	50.21	49.79	49.41
20	49.13	48.95	49.21	51.19	51.14	51.20	51.01	51.37	50.41	50.22	49.78	49.47
21	49.13	48.93	49.21	51.60	51.14	51.17	50.99	51.32	50.39	50.21	49.76	49.90
22	49.12	48.93	49.21	51.65	51.10	51.13	51.50	51.27	50.35	50.19	49.75	49.88
23	49.11	48.93	49.20	51.65	51.12	51.17	52.41	51.24	50.33	50.16	49.74	49.86
24	49.09	48.93	49.20	51.70	51.59	51.09	52.54	51.19	50.30	50.13	49.72	49.84
25	49.09	48.91	49.18	51.66	51.65	51.04	52.56	51.13	50.30	50.12	49.71	49.82
26	49.08	48.91	49.17	51.67	51.62	51.00	52.53	51.08	50.28	50.24	49.70	49.80
27	49.07	49.02	49.15	51.69	51.59	50.97	52.52	51.03	50.24	50.31	49.70	49.79
28	49.05	48.99	49.15	51.63	51.56	50.95	52.46	50.98	50.22	50.29	49.68	49.78
29	49.04	49.12	49.13	51.57	---	50.92	52.39	50.95	50.20	50.27	49.68	49.77
30	49.02	49.14	49.27	51.51	---	50.88	52.32	50.97	50.18	50.25	49.66	49.76
31	49.01	---	49.36	51.61	---	50.85	---	51.01	---	50.22	49.65	---
MEAN	49.20	48.97	49.21	50.45	51.39	51.33	51.44	51.57	50.56	50.27	49.88	49.62
MAX	49.39	49.14	49.36	51.70	51.65	51.79	52.56	52.56	50.98	50.40	50.19	49.90
MIN	49.01	48.91	49.13	49.50	51.10	50.85	50.84	50.95	50.18	50.12	49.65	49.38

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
DEC 20...	1430	247	8.2	14.5	5	4	11.6	4.0	K5	140	110	0
FEB 14...	1530	218	8.5	10.0	30	15	13.6	4.6	K8	<4	99	0
APR 11...	1205	262	7.8	22.0	5	3	9.0	3.8	K10	--	120	0
JUN 25...	1400	286	8.1	30.0	10	7	8.3	4.8	K8	K40	120	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (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)
DEC 20...	23	12	11	18	.5	4.6	154	0	130	2.2	7.8	.1
FEB 14...	24	9.4	8.2	15	.4	3.5	121	4	120	2.9	6.4	.1
APR 11...	31	10	7.6	12	.3	4.0	149	0	122	4.6	6.2	.1
JUN 25...	27	12	9.0	14	.4	3.8	163	0	134	3.1	6.3	.1

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS P04)	PHOSPHORUS, TOTAL (MG/L AS P04)
DEC 20...	7.0	167	143	.23	.01	1.0	1.0	4.5	.06	--	--
FEB 14...	3.0	117	131	.16	.00	.97	.97	4.3	.12	--	--
APR 11...	1.7	150	139	.20	.01	.78	.79	3.5	.04	.12	.12
JUN 25...	5.5	151	147	.21	.01	.75	.76	3.4	.07	.21	.21

DATE	ARSENIC, DIS-SOLVED (UG/G AS As)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS As)	CADMIUM, DIS-SOLVED (UG/G AS Cd)	CADMIUM RECOVERY, BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERY, BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERY, BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/G AS Fe)	IRON, RECOVERY, BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
DEC 20...	2	15	1	1	10	1	7	23	10	22000	1

DATE	LEAD, RECOVERY, BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERY, BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY RECOVERY, BOTTOM MATERIAL (UG/L AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOVERY, BOTTOM MATERIAL (UG/G AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 20...	50	1	1300	.2	.04	4	80	9.4	.00	2	.0

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

RED RIVER BASIN

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07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 20...	0	.00	.1	.0	9	.00	.8	.00	15	.00	.5

DATE	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)	ENDRI- N, TOTAL (UG/L)	ENDRI- N, 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)
DEC 20...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	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)	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)
DEC 20...	.00	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 20...	.00	.0	.00	0	0	.00	.0	.03	.00	.00

DATE	TIME	SAMP- LING DEPTH (F)	SPE- CIFIC CON- DUCTI- VITY (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN 25...	1400	.0	286	8.1	30.0	8.3
25...	1401	.0	320	8.4	30.0	8.3
25...	1402	5.0	320	8.3	29.5	7.8
25...	1403	11	320	7.5	29.0	2.2

07381800 SPRING CREEK NEAR GLENMORA, LA

LOCATION.--Lat 31°00'10", long 92°34'10", in SE¼NE¼ 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 (0.3 km) upstream from Missouri Pacific Railroad Co. bridge, 2.0 mi (3.2 km) north of Glenmora, and 7.9 mi (12.7 km) upstream from mouth.

DRAINAGE AREA.--68.4 mi² (177.2 km²).

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

REVISED RECORDS.--WDR LA 1974: 1962(M), 1964(M), 1965(P), 1966(M), 1967-68(P), 1971-27(M), 1973(P).

GAGE.--Water-stage recorder. Datum of gage is 63.28 ft (19.288 m) 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 year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years, 91.2 ft³/s (2.583 m³/s), 18.11 in/yr (460 mm/yr), 66,070 acre-ft/yr (81.5 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,920 ft³/s (196 m³/s), Sept. 20, 1979, gage height, 17.55 ft (5.349 m); minimum, 27 ft³/s (0.76 m³/s) Sept. 20, Oct. 4, 5, 6, 1970; minimum gage height, 4.55 ft (1.387 m) Oct. 4, 5, 6, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1886, 20.50 ft (6.248 m) 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 (31 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	0630	1360 38.5	13.69 4.172	Sept. 20	1900	*6920 196	*17.55 5.349
Feb. 24	1645	1440 40.8	13.80 4.206				

Minimum discharge, 34 ft³/s (0.96 m³/s) Oct. 13, 14, 15, 16, 17, 18, 19-25, 26, 28, 29, 30-31, Nov. 1, 2, 3, 4-5, 6; minimum gage height, 4.81 ft (1.466 m) Oct. 13, 14, 15, 17, 20, 21, 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	35	41	140	146	94	65	67	63	47	44	42
2	37	34	38	100	88	90	70	66	66	47	43	43
3	36	35	47	80	103	193	158	65	65	46	43	42
4	36	35	100	70	119	304	438	70	94	46	43	41
5	36	34	80	61	171	134	257	101	63	46	43	41
6	36	36	50	74	398	96	115	90	57	46	42	62
7	35	36	45	405	610	85	89	70	55	46	42	45
8	35	36	50	336	318	80	79	65	54	47	42	41
9	35	35	80	112	129	76	74	63	53	52	45	40
10	35	35	50	75	97	77	70	61	53	74	44	40
11	35	35	43	64	84	83	68	61	52	50	43	40
12	35	35	40	58	78	91	68	66	52	47	43	40
13	35	35	39	55	73	81	69	67	51	49	42	40
14	34	35	39	52	71	74	66	61	51	69	48	39
15	35	36	38	49	69	71	64	59	51	66	51	39
16	35	37	37	48	66	81	62	58	50	61	44	39
17	34	37	38	47	68	111	61	57	50	62	42	44
18	35	36	38	47	204	106	61	57	50	51	42	58
19	35	36	37	57	211	84	60	56	49	47	41	47
20	34	39	37	758	116	119	67	56	50	51	41	3220
21	34	37	38	1220	118	156	174	56	49	53	41	2450
22	34	36	37	346	127	118	345	56	49	49	41	791
23	34	36	37	128	457	153	392	58	48	45	41	131
24	34	36	37	98	1310	134	201	56	48	46	40	90
25	34	35	36	80	1020	88	109	54	48	54	41	76
26	35	40	36	117	226	76	88	54	48	106	49	70
27	35	48	36	165	132	71	81	54	47	134	42	67
28	35	39	36	144	107	69	80	54	47	90	41	64
29	35	74	35	88	---	67	74	57	47	57	41	62
30	34	49	45	108	---	66	70	79	47	49	40	60
31	34	---	160	209	---	65	---	85	---	46	40	---
TOTAL	1083	1142	1500	5391	6716	3193	3675	1979	1607	1779	1325	7904
MEAN	34.9	38.1	48.4	174	240	103	123	63.8	53.6	57.4	42.7	263
MAX	37	74	160	1220	1310	304	438	101	94	134	51	3220
MIN	34	34	35	47	66	65	60	54	47	45	40	39
CFSM	.51	.56	.71	2.55	3.51	1.51	1.80	.93	.78	.84	.63	3.85
IN.	.59	.62	.82	2.94	3.66	1.74	2.00	1.08	.88	.97	.72	4.30
AC-FT	2150	2270	2980	10690	13320	6330	7290	3930	3190	3530	2630	15680
CAL YR 1978	TOTAL	23700	MEAN	64.9	MAX	900	MIN	34	CFSM	.95	IN	12.91
WTR YR 1979	TOTAL	37294	MEAN	102	MAX	3220	MIN	34	CFSM	1.49	IN	20.31
									AC-FT	47010		73970

MISSISSIPPI RIVER DELTA

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07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.85	4.84	5.04	---	6.81	6.04	5.48	5.54	5.43	5.09	5.10	5.04
2	4.85	4.84	5.00	---	5.98	5.97	5.59	5.51	5.51	5.08	5.08	5.08
3	4.84	4.84	5.18	---	6.19	7.49	6.93	5.49	5.50	5.07	5.08	5.05
4	4.84	4.84	---	---	6.43	9.05	10.55	5.59	6.02	5.07	5.07	5.03
5	4.84	4.84	---	5.49	7.16	6.64	8.36	6.14	5.45	5.06	5.06	5.03
6	4.84	4.90	---	5.71	10.01	6.07	6.36	5.96	5.32	5.06	5.05	5.47
7	4.83	4.90	---	10.15	11.54	5.89	5.95	5.60	5.27	5.07	5.04	5.11
8	4.83	4.88	---	9.34	9.04	5.78	5.78	5.49	5.24	5.09	5.04	5.03
9	4.83	4.87	---	6.33	6.57	5.71	5.67	5.44	5.22	5.20	5.10	5.01
10	4.82	4.87	---	5.76	6.09	5.73	5.59	5.40	5.23	5.64	5.09	5.00
11	4.82	4.87	---	5.54	5.87	5.84	5.56	5.40	5.20	5.15	5.06	5.00
12	4.82	4.88	---	5.43	5.75	5.98	5.55	5.50	5.19	5.09	5.06	5.00
13	4.82	4.88	5.03	5.36	5.67	5.82	5.57	5.52	5.18	5.15	5.04	4.99
14	4.82	4.88	5.02	5.29	5.62	5.69	5.51	5.40	5.18	5.57	5.17	4.99
15	4.82	4.91	---	5.25	5.57	5.61	5.47	5.35	5.17	5.51	5.25	4.98
16	4.83	4.92	---	5.23	5.51	5.81	5.43	5.33	5.16	5.43	5.10	4.98
17	4.82	4.92	---	5.21	5.54	6.28	5.41	5.32	5.15	5.45	5.04	5.10
18	4.82	4.91	---	5.20	7.63	6.22	5.40	5.30	5.15	5.21	5.04	5.39
19	4.82	4.92	4.98	5.38	7.74	5.86	5.39	5.30	5.14	5.13	5.03	5.15
20	4.82	4.99	---	11.95	6.38	6.41	5.53	5.30	5.14	5.21	5.03	13.52
21	4.82	4.95	---	13.39	6.41	6.95	7.20	5.28	5.13	5.25	5.02	14.71
22	4.81	4.92	4.97	8.89	6.53	6.40	9.56	5.29	5.13	5.17	5.02	11.48
23	4.82	4.92	4.96	6.55	10.04	6.92	10.13	5.33	5.12	5.09	5.02	6.60
24	4.82	4.93	4.96	6.13	13.54	6.64	7.60	5.28	5.12	5.09	5.01	6.00
25	4.83	4.91	4.96	5.84	12.88	5.94	6.27	5.25	5.11	5.28	5.02	5.76
26	4.84	5.03	4.95	6.37	7.94	5.72	5.94	5.24	5.11	6.22	5.20	5.65
27	4.84	5.19	4.95	7.09	6.61	5.63	5.81	5.24	5.10	6.65	5.05	5.58
28	4.83	5.01	4.95	6.78	6.24	5.57	5.79	5.25	5.10	5.97	5.02	5.52
29	4.83	5.69	---	5.98	---	5.53	5.69	5.32	5.09	5.38	5.02	5.47
30	4.84	5.23	---	6.26	---	5.51	5.60	5.74	5.09	5.19	5.01	5.44
31	4.84	---	---	7.71	---	5.49	---	5.88	---	5.13	5.01	---
MEAN	4.83	4.95	---	---	7.40	6.14	6.36	5.45	5.23	5.31	5.06	6.07
MAX	4.85	5.69	---	13.54	13.54	9.05	10.55	6.14	6.02	6.65	5.25	14.71
MIN	4.81	4.84	---	5.20	5.51	5.49	5.39	5.24	5.09	5.06	5.01	4.98

MISSISSIPPI RIVER DELTA

07381950 COCODRIE LAKE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'57", in SE¼NE¼ sec.5, T.1 S., R.1 E., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080102, at center of drawdown structure, 50 ft (15 m) upstream from spillway, 1,000 ft (305 m) upstream from U.S. Highway 167, 0.9 mi (1.4 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, and 4.0 mi (6.4 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi² (622 km²).

PERIOD OF RECORD.--September 1959 to September 1967 and September 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers), and 39.57 ft (12.061 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed on Bayou Cocodrie by earthfill dam completed in 1959. Storage began Jan. 23, 1959. The dam contains a 100-ft (30.5-m) concrete spillway. The crest of the spillway is 11.44 ft (3.487 m) gage height. Drawdown structure consists of one 4.0-ft (1.2-m) pipe with a metal gate that can be varied from 1.44 to 5.44 ft (0.439 to 1.658 m) gage height. Invert of pipe is 1.44 ft (0.439 m) gage height. Usable capacity, 11,000 acre-ft (13.6 km³). Reservoir is used for recreation. Flow for Bayou Cocodrie (sta 07382000) is outflow of reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft (6.291 m) Mar. 26, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.32 ft (6.194 m) Sept. 22; minimum 10.22 ft (3.115 m) Sept. 17.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.97	11.77	12.09	12.37	15.18	17.19	12.62	13.81	12.30	11.26	11.95	10.74
2	11.95	11.76	12.10	12.97	15.09	16.97	12.57	13.59	12.33	11.20	11.89	10.73
3	11.94	11.75	12.11	13.39	14.96	16.87	12.55	13.37	12.33	11.14	11.84	10.80
4	11.92	11.75	12.22	13.39	14.88	16.82	13.35	13.20	12.31	11.08	11.79	10.83
5	11.91	11.74	12.25	13.23	14.93	16.73	14.69	13.04	12.31	11.03	11.74	10.83
6	11.90	11.74	12.26	13.13	15.29	16.55	14.98	12.93	12.29	10.97	11.69	10.81
7	11.89	11.78	12.26	13.27	16.02	16.33	14.87	12.83	12.26	10.91	11.64	10.78
8	11.88	11.77	12.26	13.59	16.41	16.10	14.69	12.73	12.22	10.96	11.59	10.75
9	11.87	11.77	12.36	13.77	16.42	15.87	14.48	12.64	12.18	10.93	11.55	10.71
10	11.87	11.77	12.40	13.66	16.25	15.64	14.22	12.56	12.37	10.95	11.52	10.65
11	11.86	11.77	12.40	13.46	16.05	15.46	14.01	12.48	12.30	11.05	11.52	10.60
12	11.86	11.78	12.37	13.27	15.84	15.25	13.80	12.47	12.29	11.06	11.50	10.55
13	11.86	11.78	12.33	13.09	15.62	15.03	13.61	12.43	12.28	11.03	11.47	10.50
14	11.86	11.78	12.29	12.95	15.41	14.81	13.40	12.39	12.23	11.05	11.44	10.44
15	11.85	11.79	12.26	12.82	15.18	14.58	13.19	12.34	12.19	11.18	11.44	10.37
16	11.85	11.85	12.23	12.72	14.97	14.39	13.02	12.29	12.03	11.23	11.41	10.30
17	11.84	11.90	12.19	12.63	14.75	14.20	12.88	12.24	11.97	11.25	11.37	10.23
18	11.82	11.89	12.17	12.56	14.71	14.01	12.77	12.20	11.91	11.24	11.32	10.38
19	11.81	11.88	12.16	12.49	14.74	13.82	12.67	12.16	11.85	11.29	11.29	10.43
20	11.80	11.91	12.14	12.92	14.73	13.75	12.61	12.13	11.79	11.30	11.25	10.96
21	11.80	11.92	12.11	14.54	14.63	13.71	12.76	12.09	11.74	11.41	11.27	19.20
22	11.79	11.92	12.09	15.23	14.52	13.72	13.10	12.06	11.69	11.43	11.23	20.32
23	11.78	11.92	12.07	15.33	14.75	13.70	14.22	12.07	11.63	11.41	11.18	20.17
24	11.78	11.92	12.08	15.34	16.15	13.61	14.74	12.04	11.59	11.41	11.14	19.87
25	11.78	11.91	12.05	15.24	17.39	13.48	14.78	12.02	11.55	11.47	11.10	19.57
26	11.78	11.91	12.04	15.08	17.71	13.30	14.62	11.99	11.50	11.56	11.05	19.29
27	11.77	12.01	12.01	15.28	17.60	13.13	14.48	11.97	11.45	11.87	11.00	19.01
28	11.77	12.01	12.01	15.41	17.41	12.99	14.39	11.96	11.40	12.03	10.95	18.75
29	11.77	12.03	12.00	15.35	---	12.87	14.24	11.95	11.35	12.08	10.91	18.49
30	11.76	12.05	12.04	15.19	---	12.77	14.04	12.02	11.30	12.05	10.85	18.23
31	11.77	---	12.11	15.19	---	12.69	---	12.18	---	12.00	10.79	---
MEAN	11.84	11.85	12.18	13.83	15.63	14.72	13.75	12.46	11.96	11.32	11.38	13.51
MAX	11.97	12.05	12.40	15.41	17.71	17.19	14.98	13.81	12.37	12.08	11.95	20.32
MIN	11.76	11.74	12.00	12.37	14.52	12.69	12.55	11.95	11.30	10.91	10.79	10.23

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW¼SW¼ sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft (305 m) downstream from Cocodrie Lake dam, 1.0 mi (1.6 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, 4.0 mi (6.4 km) south of Meeker, and 5.0 mi (8.0 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi² (622 km²).

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers), and 39.57 ft (12.061 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). See WSP 1731 for history of changes prior to Mar. 28, 1940. Since Jan. 23, 1945, auxiliary nonrecording gage 6.6 mi (10.6 km) downstream from base gage at datum 35.10 ft (10.698 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake (station 07381950). Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years (water years 1923-24, 1938-79), 414 ft³/s (11.72 m³/s), 23.43 in/yr (595 mm/yr), 299,900 acre-ft/yr (370 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft³/s (799 m³/s) May 18, 1953, gage height, 26.72 ft (8.144 m); reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge, 41 ft³/s (1.16 m³/s) Oct. 17, 1978, regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,220 ft³/s (62.9 m³/s) Sept. 22, gage height, 20.15 ft (6.142 m); minimum discharge, 41 ft³/s (1.16 m³/s) Oct. 17, gage height, 4.90 ft (1.494 m), regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	49	106	317	960	1260	471	844	251	153	255	152
2	82	53	109	590	947	1230	442	818	275	152	235	148
3	78	52	129	739	932	1220	524	791	278	151	219	138
4	73	51	169	740	924	1210	745	765	269	151	204	136
5	69	50	210	700	934	1200	955	727	261	151	190	136
6	65	51	230	680	987	1170	978	664	250	149	182	136
7	60	51	250	750	1070	1140	964	607	232	150	173	135
8	56	51	260	760	1120	1100	943	547	212	151	167	135
9	55	51	260	760	1120	1050	916	487	192	150	163	135
10	52	51	250	750	1100	1010	888	432	367	152	161	134
11	51	52	240	730	1070	980	865	385	350	152	161	133
12	50	53	230	690	1040	960	842	372	299	152	159	133
13	50	54	216	670	1020	940	821	345	269	152	157	132
14	48	54	202	620	995	930	795	317	237	159	155	131
15	47	59	191	580	970	924	761	286	224	159	155	131
16	45	70	182	540	944	908	780	258	274	155	154	130
17	48	78	170	500	920	887	632	232	256	154	154	130
18	57	78	162	470	920	866	564	212	234	153	154	132
19	56	78	155	500	925	846	502	194	214	163	154	131
20	55	81	149	800	924	840	471	181	199	160	154	595
21	53	80	143	900	912	839	617	170	187	159	154	1780
22	51	80	135	970	901	839	692	163	178	158	154	2200
23	50	81	128	990	957	833	877	161	170	156	154	2140
24	49	81	125	1000	1130	823	954	154	165	157	155	1970
25	49	80	119	970	1300	807	954	144	161	164	155	1830
26	48	85	112	958	1360	785	937	135	158	196	155	1720
27	47	102	106	977	1330	757	921	128	155	249	154	1620
28	46	106	103	989	1300	706	909	122	155	294	155	1560
29	46	113	103	979	---	637	891	119	155	306	154	1510
30	45	115	118	964	---	574	868	152	154	296	153	1450
31	44	---	138	961	---	518	---	205	---	274	153	---
TOTAL	1711	2090	5200	23544	29012	28789	23399	11117	6781	5478	5202	20943
MEAN	55.2	69.7	168	759	1036	929	780	359	226	177	168	698
MAX	86	115	260	1000	1360	1260	978	844	367	306	255	2200
MIN	44	49	103	317	901	518	442	119	154	149	153	130
CFSM	.23	.29	.70	3.16	4.32	3.87	3.25	1.50	.94	.74	.70	2.91
IN.	.27	.32	.81	3.65	4.50	4.46	3.63	1.72	1.05	.85	.81	3.25
AC-FT	3390	4150	10310	46700	57550	57100	46410	22050	13450	10870	10320	41540
CAL YR 1978	TOTAL	92318	MEAN 253	MAX 1180	MIN 44	CFSM 1.05	IN 14.31	AC-FT 183100				
WTR YR 1979	TOTAL	163266	MEAN 447	MAX 2200	MIN 44	CFSM 1.86	IN 25.31	AC-FT 323800				

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.50	5.08	5.89	8.93	15.10	17.13	9.91	13.64	7.66	6.25	7.70	6.24
2	5.41	5.16	5.94	11.79	14.99	16.91	9.62	13.39	7.92	6.23	7.46	6.17
3	5.36	5.15	6.25	13.19	14.86	16.84	10.40	13.11	7.96	6.21	7.26	6.00
4	5.27	5.12	6.92	13.20	14.79	16.78	13.56	12.85	7.86	6.21	7.06	5.96
5	5.21	5.10	---	---	14.88	16.67	14.68	12.47	7.77	6.21	6.82	5.96
6	5.16	5.11	---	---	15.32	16.47	14.89	11.84	7.65	6.19	6.72	5.96
7	5.08	5.13	---	---	15.99	16.24	14.76	11.27	7.43	6.20	6.59	5.95
8	5.03	5.11	---	---	16.35	15.92	14.57	10.67	7.17	6.21	6.48	5.95
9	5.01	5.10	---	---	16.34	15.50	14.33	9.52	6.88	6.20	6.42	5.94
10	4.99	5.10	---	---	16.16	15.19	14.07	8.34	8.80	6.23	6.38	5.93
11	4.98	5.09	---	---	15.96	14.95	13.85	9.05	8.69	6.24	6.38	5.93
12	4.99	5.10	---	---	15.74	---	13.62	8.92	8.19	6.24	6.36	5.91
13	4.99	5.10	7.65	---	15.52	---	13.41	8.65	7.85	6.24	6.32	5.90
14	4.98	5.09	7.44	---	15.31	---	13.15	8.37	7.49	6.35	6.29	5.89
15	4.97	5.20	7.26	---	15.09	14.40	12.81	8.05	7.32	6.35	6.28	5.88
16	4.96	5.40	7.11	---	14.86	14.25	12.24	7.73	7.91	6.29	6.27	5.86
17	5.03	5.54	6.92	---	14.64	14.06	11.52	7.43	7.71	6.27	6.26	5.87
18	5.24	5.52	6.79	---	14.62	13.86	10.84	7.17	7.44	6.26	6.26	5.90
19	5.22	5.52	6.67	---	14.65	13.66	10.22	6.92	7.20	6.41	6.26	5.88
20	5.19	5.56	6.58	---	14.63	13.59	9.91	6.71	6.99	6.36	6.27	10.93
21	5.17	5.53	6.47	---	14.51	13.58	11.37	6.53	6.82	6.34	6.27	19.14
22	5.13	5.53	6.34	---	14.41	13.59	13.04	6.42	6.66	6.33	6.26	20.11
23	5.11	5.52	6.22	---	14.87	13.54	14.22	6.39	6.54	6.30	6.26	20.02
24	5.08	5.51	6.17	---	16.24	13.43	14.66	6.25	6.45	6.31	6.28	19.74
25	5.07	5.49	6.07	---	17.35	13.27	14.67	6.10	6.39	6.36	6.28	19.46
26	5.06	5.57	5.96	15.08	17.65	13.04	14.52	5.95	6.33	6.92	6.28	19.18
27	5.04	5.86	5.85	15.23	17.56	12.77	14.37	5.83	6.29	7.53	6.27	18.91
28	5.02	5.91	5.80	15.33	17.36	12.26	14.26	5.74	6.29	8.13	6.28	18.65
29	5.01	6.03	5.80	15.25	---	11.57	14.10	5.69	6.28	8.20	6.27	18.39
30	5.00	6.05	6.06	15.13	---	10.94	13.88	6.23	6.27	8.16	6.25	18.14
31	4.98	---	6.39	15.11	---	10.37	---	7.06	---	7.91	6.24	---
MEAN	5.10	5.38	---	---	15.56	---	13.05	8.53	7.27	6.57	6.48	10.53
MAX	5.50	6.05	---	---	17.65	17.13	14.89	13.64	8.80	8.20	7.70	20.11
MIN	4.96	5.08	5.80	8.93	14.41	10.37	9.62	5.69	6.27	6.19	6.24	5.86

MISSISSIPPI RIVER DELTA

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07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943-44, 1952-54, 1960, 1966, 1978 to current year (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	HARDNESS, NONCARBONATE (MG/L AS CAC03)
NOV 13...	1415	67	5.7	19.0	70	3	3.9	2.2	K25	K25	14	0
FEB 05...	1730	31	5.9	8.0	50	35	6.9	.8	K44	K12	9	1
APR 02...	1030	43	6.1	22.0	80	15	5.9	4.8	K15	K3000	11	2
JUL 09...	1145	48	5.9	26.5	30	6	3.5	.7	K5	K25	9	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HC03)	CARBONATE (MG/L AS C03)	ALKALINITY (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
NOV 13...	3.5	1.3	6.8	48	.8	--	1.3	24	0	20	3.1	7.3
FEB 05...	2.2	.8	2.7	36	.4	--	1.2	9	0	7	--	3.2
APR 02...	2.6	1.0	4.0	42	.5	--	1.2	10	0	8	6.0	4.3
JUL 09...	2.3	.8	5.4	52	.8	6.8	1.4	12	0	10	4.0	5.6

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, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS P04)	PHOSPHORUS, TOTAL (MG/L AS P04)
NOV 13...	.0	23	68	59	.09	.02	.58	.60	2.7	.06	--	--
FEB 05...	.0	6.8	41	--	.06	.05	.80	.85	3.8	.11	--	--
APR 02...	.1	9.6	46	34	.06	.01	.43	.44	1.9	.04	.12	.12
JUL 09...	.0	15	49	40	.07	.02	.42	.44	1.9	.03	.09	.09

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

MISSISSIPPI RIVER DELTA

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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)
NOV 13...	1	12	1	0	0	0	6	10	620	5400	5
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 13...	30	100	1200	.0	.05	20	20	11	.00	4	.0
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (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 (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)
NOV 13...	0	.00	.00	.0	.0	0	.00	1.6	.00	1.6	.00
DATE	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)	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)
NOV 13...	.0	.00	.0	.00	.1	.00	.00	.0	.00	.0	.00
DATE	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)	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)
NOV 13...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 13...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

MISSISSIPPI RIVER DELTA

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07382495 BAYOU COURTABLEAU NEAR WASHINGTON, LA

LOCATION.--Lat 30°38'53", long 92°03'40", in NW¼ lot 7, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, on left bank, 0.3 mi (0.5 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, 2.0 mi (3.2 km) northwest of Washington and 3.4 mi (5.5 km) upstream from gaging station Bayou Courtableau at Washington (station 07382500).

DRAINAGE AREA.--701 mi² (1,816 km²). 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, non-recording gage 0.1 mi (0.2 km) 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 (197.1 km²) 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, 31.50 ft (9.601 m) Apr. 26, 1977; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1946, 38.65 ft (11.781 m) May 19, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.46 ft (8.979 m) Feb. 28; minimum, 10.93 ft (3.331 m) Oct. 23, 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.68	11.40	13.87	14.37	25.54	29.36	18.46	26.58	20.56	---	18.30	12.71
2	12.61	11.61	14.28	19.78	24.90	29.11	19.11	25.04	20.20	---	18.04	13.10
3	12.60	11.79	14.33	21.57	24.28	29.10	21.41	23.09	20.07	---	17.92	14.02
4	12.46	11.94	14.51	21.41	24.85	29.09	25.38	22.12	19.43	---	17.65	14.08
5	12.22	12.03	14.95	20.58	25.43	28.95	26.38	22.47	18.77	---	17.33	13.86
6	12.04	12.10	15.53	19.51	26.99	28.63	26.47	21.47	18.43	---	16.86	13.65
7	11.83	12.34	15.80	20.99	27.87	28.15	26.11	20.42	18.20	---	16.38	13.46
8	11.67	12.52	15.92	23.39	28.25	27.53	25.11	19.57	17.95	---	15.93	13.22
9	11.53	12.59	17.89	23.28	28.31	26.73	23.60	19.08	17.66	---	15.51	13.16
10	11.42	12.64	18.89	22.30	28.09	25.74	21.92	18.79	17.67	---	14.97	13.14
11	11.35	12.83	18.41	20.66	27.61	24.43	20.87	18.53	19.18	---	14.72	13.92
12	11.29	13.01	16.56	19.31	26.89	22.79	20.85	18.60	18.80	12.55	14.55	14.23
13	11.25	13.13	16.28	19.19	25.91	21.42	21.08	18.85	---	12.72	14.35	14.33
14	11.20	13.20	16.25	19.23	24.65	20.59	20.73	18.64	---	13.29	14.24	14.37
15	11.16	13.28	16.02	18.98	23.11	20.12	20.17	18.43	---	14.38	14.07	14.41
16	11.14	13.36	15.76	18.15	21.67	19.85	19.69	18.16	---	15.25	13.90	14.38
17	11.13	13.35	15.48	17.39	20.53	19.74	19.28	17.94	---	16.17	13.71	14.31
18	11.12	13.27	15.14	17.41	21.06	19.92	18.92	17.69	---	16.55	13.54	14.23
19	11.09	13.16	14.83	17.48	22.47	19.89	18.61	17.38	---	16.68	13.46	14.20
20	11.03	13.09	14.60	21.41	22.62	19.94	18.48	17.04	---	16.83	13.40	16.34
21	10.99	13.00	14.39	26.09	22.04	20.33	23.85	16.64	---	17.07	13.30	24.14
22	10.96	12.88	14.15	26.58	21.46	20.58	27.78	16.25	---	17.38	13.23	25.52
23	10.93	12.75	13.93	26.93	25.42	21.32	28.80	16.05	---	17.19	13.13	25.79
24	10.94	12.58	13.74	27.34	27.66	21.44	29.28	15.78	---	15.48	13.05	25.87
25	10.95	12.44	13.56	27.35	28.53	21.01	29.41	15.41	---	16.47	12.99	25.94
26	11.01	12.34	13.43	27.04	29.07	20.31	29.26	15.07	---	20.80	12.96	25.98
27	11.06	12.68	13.33	26.81	29.36	19.72	29.06	14.76	---	23.23	12.88	26.04
28	11.08	13.07	13.24	26.45	29.45	19.37	28.70	14.42	---	23.35	12.81	26.14
29	11.07	13.11	13.15	25.75	---	19.15	28.22	14.14	---	21.59	12.81	26.10
30	11.06	13.24	13.10	24.86	---	18.94	27.55	16.02	---	19.58	12.80	25.98
31	11.12	---	13.15	25.59	---	18.67	---	20.88	---	18.69	12.79	---
MEAN	11.42	12.69	14.98	22.17	25.50	22.97	23.82	18.56	---	---	14.57	17.89
MAX	12.68	13.36	18.89	27.35	29.45	29.36	29.41	26.58	20.56	23.35	18.30	26.14
MIN	10.93	11.40	13.10	14.37	20.53	18.67	18.46	14.14	---	12.55	12.79	12.71

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi (0.3 km) upstream from Texas and New Orleans Railroad Co. bridge, 1.2 mi (1.9 km) upstream from Bayou Carron, 3.5 mi (5.6 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 (9.7 km) north of Opelousas.

DRAINAGE AREA.--715 mi² (1,852 km²). 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, non-recording 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.

REMARKS.--Records good. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² (197.1 km²) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--33 years, 1,058 ft³/s (29.96 m³/s), 766,500 acre-ft/yr (945 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft³/s (269 m³/s) May 21, 1953; maximum elevation, 35.29 ft (10.756 m) May 22, 1953; minimum discharge, 70 ft³/s (1.98 m³/s) Oct. 19, 1973; minimum elevation, 10.72 ft (3.267 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,400 ft³/s (125 m³/s) Feb. 28, Mar. 1; minimum discharge, 121 ft³/s (3.43 m³/s) Oct. 23, 24, elevation, 11.25 ft (3.429 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	187	284	438	3220	4400	1050	3200	847	235	506	149
2	270	213	300	1720	2970	4300	1300	2500	868	230	430	239
3	282	230	320	2090	2680	4100	2000	2100	997	220	427	327
4	265	251	340	2150	2830	3800	3150	1700	848	205	382	257
5	232	253	360	1890	2880	3500	3410	1800	663	190	347	206
6	214	233	448	1510	3240	2800	3460	1700	599	180	287	186
7	187	247	600	1920	3430	2300	3370	1500	555	170	269	184
8	173	262	750	2620	3710	2000	3030	1200	466	165	255	163
9	164	264	950	2630	3940	1700	2430	1000	425	155	290	155
10	153	264	1000	2370	4000	1500	1850	860	577	150	257	171
11	149	294	840	1910	3930	1400	1520	780	1210	140	239	374
12	146	320	633	1390	3710	1300	1450	800	885	135	236	407
13	143	328	450	1130	3360	1250	1490	820	780	173	215	406
14	141	328	401	1080	2850	1200	1410	800	660	244	205	397
15	142	336	396	1050	2310	1150	1280	580	580	346	191	394
16	142	344	394	958	1850	1100	1130	479	500	302	184	379
17	144	329	378	757	1520	1100	978	423	460	262	176	360
18	143	310	348	593	1710	1100	837	389	420	254	174	341
19	140	295	326	579	2180	1150	715	357	380	280	191	341
20	131	294	318	2000	2250	1200	693	338	350	319	196	836
21	124	297	297	3620	2090	1300	2800	309	325	297	193	2910
22	122	283	265	3730	1930	1400	3330	277	300	299	193	3300
23	121	272	248	3760	3230	1660	3410	294	295	396	187	3400
24	121	253	232	3900	3600	1730	3760	279	290	369	186	3580
25	122	244	218	3930	3900	1600	4030	243	280	471	180	3690
26	131	212	216	3830	4000	1300	4200	218	270	1310	173	3810
27	137	220	217	3800	4200	1150	4200	213	260	2110	163	3850
28	140	228	214	3670	4400	1040	4100	198	250	2130	158	3850
29	140	247	211	3430	---	1020	4000	164	245	1710	153	3910
30	137	260	201	3070	---	1000	3600	500	240	1180	143	3900
31	143	---	202	3240	---	1000	---	951	---	694	152	---
TOTAL	5075	8098	12357	70765	85920	56550	73983	26972	15825	15321	7338	42472
MEAN	164	270	399	2283	3069	1824	2466	870	528	494	237	1416
MAX	282	344	1000	3930	4400	4400	4200	3200	1210	2130	506	3910
MIN	121	187	201	438	1520	1000	693	164	240	135	143	149
AC-FT	10070	16060	24510	140400	170400	112200	146700	53500	31390	30390	14550	84240
CAL YR 1978 TOTAL	229020	MEAN	627	MAX	4280	MIN	105	AC-FT	454300			
WTR YR 1979 TOTAL	420676	MEAN	1153	MAX	4400	MIN	121	AC-FT	834400			

MISSISSIPPI RIVER DELTA

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07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.83	11.58	14.14	14.32	23.83	---	---	---	20.74	14.60	18.60	13.09
2	12.77	11.76	14.57	18.38	23.34	---	---	---	20.33	14.39	18.40	13.30
3	12.72	11.92	14.67	20.20	22.93	---	---	---	20.07	14.16	18.27	14.14
4	12.62	12.05	14.91	19.84	23.49	---	---	---	19.54	13.94	18.03	14.35
5	12.44	12.14	15.22	19.19	24.08	---	24.67	---	19.02	13.75	17.72	14.21
6	12.28	12.33	15.85	18.47	25.76	---	24.72	---	18.71	13.56	17.29	14.01
7	12.10	12.54	16.06	19.74	26.65	---	24.38	---	18.51	13.41	16.81	13.81
8	11.95	12.69	16.37	21.76	26.82	---	23.54	---	18.30	13.36	16.35	13.61
9	11.82	12.77	18.40	21.59	26.62	---	22.38	---	18.05	13.35	15.88	13.55
10	11.71	12.82	19.06	20.30	26.21	---	21.09	---	17.91	13.21	15.34	13.50
11	11.64	12.95	18.29	19.27	25.63	---	20.28	---	18.85	13.07	15.09	13.89
12	11.59	13.10	16.53	18.43	24.94	---	20.38	---	18.87	12.94	14.91	14.18
13	11.55	13.22	16.59	18.80	24.13	---	20.57	---	18.57	13.04	14.72	14.30
14	11.50	13.30	16.53	18.95	22.79	---	20.27	---	18.30	13.50	14.61	14.38
15	11.45	13.38	16.30	18.67	21.92	---	19.80	---	17.96	14.52	14.42	14.45
16	11.43	13.46	16.02	17.82	20.75	---	19.43	18.48	17.53	15.57	14.29	14.45
17	11.41	13.49	15.72	17.27	19.83	---	19.16	18.30	17.09	16.60	14.10	14.41
18	11.40	13.44	15.38	17.55	20.20	---	18.93	18.07	16.70	16.99	13.92	14.35
19	11.37	13.33	15.07	17.63	21.24	---	18.73	17.77	16.56	17.11	13.80	14.31
20	11.33	13.25	14.82	20.65	21.32	---	18.61	17.42	16.41	17.22	13.73	15.94
21	11.30	13.15	14.62	23.95	20.83	---	22.65	17.04	16.23	17.49	13.63	22.36
22	11.28	13.03	14.42	24.47	20.35	---	26.71	16.66	16.02	17.81	13.55	23.67
23	11.25	12.91	14.21	24.91	23.63	20.61	27.83	16.44	15.84	17.51	13.46	23.89
24	11.25	12.77	14.02	25.30	---	20.66	28.02	16.17	15.66	15.74	13.37	23.71
25	11.27	12.64	13.85	25.25	---	---	27.91	15.83	15.49	16.68	13.32	23.63
26	11.31	12.60	13.72	24.97	---	---	---	15.49	15.47	20.50	13.30	23.48
27	11.35	13.06	13.62	24.69	---	---	---	15.16	15.46	22.41	13.24	23.49
28	11.36	13.36	13.52	24.37	---	19.22	---	14.82	15.32	22.54	13.17	23.65
29	11.36	13.36	13.43	23.78	---	---	---	14.58	15.07	20.89	13.18	23.47
30	11.35	13.57	13.39	23.11	---	---	---	16.61	14.84	19.20	13.20	23.33
31	11.40	---	13.45	23.86	---	---	---	20.97	---	18.84	13.17	---
MEAN	11.69	12.87	15.25	20.89	---	---	---	---	17.45	16.06	14.93	17.23
MAX	12.83	13.57	19.06	25.30	---	---	28.02	---	20.74	22.54	18.60	23.89
MIN	11.25	11.58	13.39	14.32	19.83	---	---	14.58	14.84	12.94	13.17	13.09

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE¼ sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft (46 m) downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 mi² (699 km²).

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 (7.151 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 31, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft (1.475 m) 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 except those for periods of no gage-height record, which are fair. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi (19 km) 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 (9.6 km) downstream. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 430 ft³/s (12.18 m³/s) 311,500 acre-ft/yr (384 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s (180 m³/s) May 18, 1953, gage height, 22.68 ft (6.913 m), present datum; minimum, 2.7 ft³/s (0.076 m³/s) Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, about 2,300 ft³/s (65.1 m³/s) Feb. 24, gage height, unknown; minimum, 17 ft³/s (0.48 m³/s) Nov. 19-28; minimum gage height, 2.46 ft (0.750 m) Nov. 24, 25, 26, regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	79	351	1010	1460	1650	130	1090	400	81	420	41
2	55	80	268	1150	1360	1600	300	987	362	70	348	40
3	52	83	168	1100	1310	1800	800	900	356	53	279	39
4	49	84	163	980	1320	1900	1100	882	431	39	231	39
5	46	85	370	920	1450	1780	1150	889	414	35	184	50
6	44	82	390	980	1770	1650	1140	807	335	34	154	52
7	42	81	280	1150	1780	1500	1100	700	301	31	141	88
8	41	77	210	1200	1660	1370	1000	526	255	29	132	156
9	42	71	440	1180	1610	1250	930	379	210	29	99	128
10	42	72	570	1140	1500	1140	860	280	187	44	113	92
11	41	76	470	1100	1450	1040	740	219	317	44	107	69
12	40	73	340	1050	1350	954	620	411	375	57	81	55
13	37	72	226	960	1250	873	470	657	284	84	70	48
14	34	75	136	880	1150	776	400	577	213	211	67	43
15	32	79	95	800	1050	596	320	469	141	534	66	39
16	32	88	74	660	940	408	240	350	106	763	58	37
17	31	36	57	450	850	415	210	266	85	628	57	37
18	31	18	58	300	1030	448	180	211	70	474	68	36
19	31	17	50	230	980	385	165	172	60	383	72	40
20	31	17	43	1200	920	341	150	158	49	335	62	416
21	32	17	46	1800	900	427	760	165	43	400	54	1110
22	34	17	45	1700	920	473	1100	155	52	438	49	961
23	36	17	45	1600	2000	499	1350	146	48	339	46	907
24	39	17	50	1500	2200	480	1450	130	39	259	46	937
25	40	17	50	1520	2050	355	1500	134	210	293	44	1030
26	40	17	50	1680	1950	255	1480	119	442	730	43	1100
27	38	17	45	1780	1800	220	1460	87	317	941	47	1140
28	38	17	39	1660	1700	225	1400	76	204	836	73	1180
29	45	235	45	1530	---	210	1310	73	133	768	74	1190
30	58	268	52	1510	---	185	1200	93	96	678	58	1170
31	73	---	114	1600	---	150	---	283	---	534	47	---
TOTAL	1285	1984	5340	36320	39710	25355	25015	12391	6535	10174	3390	12270
MEAN	41.5	66.1	172	1172	1418	818	834	400	218	328	109	409
MAX	73	268	570	1800	2200	1900	1500	1090	442	941	420	1190
MIN	31	17	39	230	850	150	130	73	39	29	43	36
AC-FT	2550	3940	10590	72040	78760	50290	49620	24580	12960	20180	6720	24340

CAL YR 1978 TOTAL 78996 MEAN 216 MAX 1910 MIN 15 AC-FT 156700
WTR YR 1979 TOTAL 179769 MEAN 493 MAX 2200 MIN 17 AC-FT 356600

NOTE.--No gage-height record Feb. 10 to Mar. 4, Mar. 25 to Apr. 25.

MISSISSIPPI RIVER DELTA

217

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.39	3.58	6.12	10.09	12.43	---	---	10.60	6.45	3.61	6.59	3.10
2	3.32	3.59	5.43	---	11.96	---	---	10.08	6.17	3.49	6.06	3.08
3	3.29	3.63	4.52	---	11.71	---	---	9.60	6.12	3.29	5.50	3.07
4	3.24	3.64	4.45	---	11.79	---	---	9.50	6.67	3.07	5.06	3.07
5	3.21	3.64	---	---	12.74	14.09	---	9.54	6.54	2.99	4.64	3.24
6	3.18	3.61	---	---	15.46	13.23	---	9.07	5.96	2.98	4.34	3.27
7	3.16	3.60	---	---	15.30	12.60	---	8.44	5.68	2.89	4.21	3.66
8	3.14	3.56	---	---	13.75	11.99	---	7.33	5.29	2.83	4.12	4.37
9	3.15	3.48	---	---	13.09	11.41	---	6.29	4.87	2.84	3.79	4.09
10	3.15	3.49	---	---	---	10.87	---	5.50	4.66	3.15	3.93	3.72
11	3.14	3.55	---	---	---	10.36	---	4.95	5.81	3.16	3.87	3.47
12	3.11	3.50	---	---	---	9.90	---	6.43	6.27	3.34	3.60	3.31
13	3.07	3.49	5.06	---	---	9.44	---	8.17	5.54	3.64	3.48	3.21
14	3.01	3.52	4.19	---	---	8.89	---	7.68	4.91	4.77	3.45	3.13
15	2.99	3.58	3.75	---	---	7.79	---	6.93	4.20	7.38	3.44	3.07
16	2.97	3.68	3.52	---	---	6.51	---	6.08	3.86	8.81	3.34	3.04
17	2.95	2.93	3.32	---	---	6.56	---	5.39	3.65	7.99	3.34	3.03
18	2.95	2.51	3.33	---	---	6.79	---	4.88	3.49	6.97	3.46	3.01
19	2.95	2.48	3.22	---	---	6.34	---	4.52	3.37	6.33	3.51	3.08
20	2.95	2.47	3.12	---	---	6.01	---	4.38	3.23	5.96	3.39	6.16
21	2.96	2.47	3.17	---	---	6.64	---	4.44	3.14	6.44	3.30	10.72
22	2.99	2.47	3.15	---	---	6.97	---	4.35	3.27	6.72	3.23	9.94
23	3.03	2.47	3.15	---	---	7.15	---	4.26	3.22	5.99	3.18	9.64
24	3.08	2.46	3.23	---	---	7.02	---	4.10	3.08	5.33	3.18	9.81
25	3.09	2.46	3.22	12.72	---	---	---	4.14	4.64	5.59	3.16	10.32
26	3.09	2.46	3.22	13.31	---	---	12.54	3.99	6.75	8.62	3.14	10.66
27	3.06	2.47	3.15	14.39	---	---	12.43	3.67	5.81	9.83	3.19	10.90
28	3.06	2.47	3.06	13.30	---	---	12.15	3.56	4.82	9.24	3.51	11.06
29	3.15	5.13	3.15	12.76	---	---	11.71	3.53	4.13	8.84	3.53	11.12
30	3.33	5.42	3.25	12.66	---	---	11.19	3.72	3.75	8.30	3.35	11.04
31	3.50	---	3.95	13.09	---	---	---	5.49	---	7.37	3.20	---
MEAN	3.12	3.26	---	---	---	---	---	6.15	4.85	5.54	3.84	5.81
MAX	3.50	5.42	---	---	---	---	---	10.60	6.75	9.83	6.59	11.12
MIN	2.95	2.46	3.06	---	---	---	---	3.53	3.08	2.83	3.14	3.01

MISSISSIPPI RIVER DELTA

07383510 BAYOU DES GLAISES DIVERSION CHANNEL NEAR MOREAUVILLE, LA

LOCATION.--Lat 30°59'59", long 91°58'57", in NW¼SE¼ sec.4, T.1 S., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near center of channel on downstream side of bridge on unnumbered parish road, 2.5 mi (4.2 km) south of Moreauville, and 2.5 mi (4.2 km) downstream from gaging station Bayou des Glaisses diversion channel at Moreauville (station 07383500).

DRAINAGE AREA.--284 mi² (736 km²).

PERIOD OF RECORD.--April 1972 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.76 ft (6.937 m) Apr. 21, 1977; minimum, 2.14 ft (0.652 m) Nov. 11, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.47 ft (5.934 m) Feb. 24; minimum, 2.15 ft (0.655 m) Nov. 25, 26.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.96	3.11	5.35	9.07	11.72	12.34	3.71	9.60	5.67	3.17	5.80	---
2	2.90	3.13	4.80	10.35	11.11	12.29	5.32	9.03	5.52	3.08	5.32	---
3	2.86	3.15	4.01	8.97	10.91	16.95	8.16	---	5.38	2.96	4.84	---
4	2.82	3.16	3.93	8.89	11.22	15.60	14.31	---	5.37	2.82	4.46	---
5	2.79	3.17	5.71	9.01	12.66	13.52	11.88	---	5.73	2.76	4.10	---
6	2.77	3.14	5.88	9.27	16.01	12.36	10.43	---	5.17	2.75	3.82	---
7	2.74	3.13	5.05	12.20	15.61	11.61	10.05	---	4.89	2.71	3.70	---
8	2.73	3.10	4.44	11.18	13.48	10.99	9.84	---	4.61	2.68	3.65	---
9	2.74	3.03	6.24	10.25	12.39	10.41	9.49	---	4.24	2.66	3.36	---
10	2.74	3.05	7.04	10.05	11.88	9.87	9.02	---	4.18	2.79	3.44	---
11	2.74	3.08	6.43	9.85	11.50	9.38	8.58	---	5.85	2.81	3.43	3.07
12	2.72	3.05	5.47	9.55	11.08	8.91	8.58	---	5.61	2.91	3.20	2.93
13	2.69	3.03	4.55	9.16	10.60	8.48	8.38	---	4.91	3.15	3.12	2.86
14	2.65	3.03	3.78	8.75	10.10	8.00	6.58	---	4.25	4.34	3.07	2.80
15	2.63	3.05	3.37	8.29	9.59	7.08	5.31	---	3.74	7.13	3.06	2.75
16	2.62	3.13	3.15	7.58	9.07	5.83	4.68	5.27	3.40	8.54	3.02	2.73
17	2.62	2.68	2.95	6.28	8.58	5.70	4.41	4.66	3.23	7.32	2.97	2.72
18	2.62	2.26	2.95	5.17	9.53	5.98	4.14	4.22	3.10	6.22	3.06	2.71
19	2.62	2.18	2.87	4.60	9.28	5.60	3.99	3.92	3.02	5.57	3.13	2.74
20	2.62	2.18	2.77	17.21	8.96	5.29	3.89	3.80	2.93	5.18	3.07	5.92
21	2.63	2.17	2.82	16.52	8.84	5.62	7.64	3.84	2.87	5.68	3.02	10.47
22	2.64	2.17	2.81	13.45	8.95	6.15	16.38	3.78	2.94	6.14	---	9.25
23	2.68	2.16	2.80	12.81	15.29	6.41	16.84	3.72	2.92	5.37	---	8.68
24	2.71	2.16	2.85	13.01	19.13	6.25	14.19	3.58	2.84	4.74	---	8.68
25	2.72	2.15	2.85	12.08	17.38	5.57	12.63	3.60	3.85	5.10	---	9.12
26	2.72	2.20	2.85	12.76	14.78	4.78	11.85	3.51	5.88	8.51	---	9.47
27	2.70	2.26	2.80	14.12	13.29	4.52	11.58	3.26	5.08	10.22	---	9.72
28	2.69	2.22	2.72	12.64	12.66	4.53	11.19	3.17	4.20	8.84	---	9.88
29	2.76	4.28	2.77	11.86	---	4.42	10.70	3.11	3.62	8.02	---	9.94
30	2.90	4.68	2.85	11.83	---	4.19	10.16	3.28	3.30	7.42	---	9.88
31	3.06	---	3.31	12.62	---	3.88	---	4.92	---	6.55	---	---
MEAN	2.74	2.84	3.94	10.63	11.99	8.15	9.13	---	4.28	5.10	---	---
MAX	3.06	4.68	7.04	17.21	19.13	16.95	16.84	9.60	5.88	10.22	5.80	10.47
MIN	2.62	2.15	2.72	4.60	8.58	3.88	3.71	3.11	2.84	2.66	---	2.71

MISSISSIPPI RIVER DELTA

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07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'55", long 91°49'55", in NW¼ sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, at bridge on U.S. Highway 71, 1.7 mi (2.7 km) upstream from Slow Bayou, 2.0 mi (3.2 km) north of the Junction of U.S. Highways 71 and 190, and 5.0 mi (8.0 km) northwest of town of Krotz Springs.

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

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft (0.777 m) National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft (0.777 m) lower.

REMARKS.--No gage heights recorded below 9.99 ft (3.045 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft (6.291 m) May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.46 ft (5.627 m) Apr. 27; minimum not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.04	10.08	10.60	10.82	16.07	17.36	16.40	18.21	16.80	11.96	15.12	10.38
2	10.99	10.07	10.64	12.47	16.03	17.30	16.41	18.13	16.70	11.74	14.79	10.38
3	10.94	10.05	10.67	13.74	15.95	17.40	16.56	18.05	16.57	11.51	14.50	10.87
4	10.89	10.03	10.81	13.75	16.27	17.40	16.85	17.96	16.44	11.29	14.15	11.37
5	10.85	10.02	10.87	13.80	16.43	17.33	17.03	17.89	16.33	11.09	13.82	11.42
6	10.80	10.02	10.93	13.43	16.87	17.31	17.09	17.80	16.18	10.89	13.53	11.28
7	10.74		10.96	13.40	17.11	17.23	17.12	17.73	16.01	10.71	13.28	11.18
8	10.69		10.98	13.51	17.22	17.14	17.14	17.64	15.84	10.61	13.08	11.11
9	10.64		11.94	13.83	17.30	17.02	17.13	17.57	15.66	10.63	12.94	11.02
10	10.61	9.98	12.59	13.90	17.29	16.90	17.09	17.49	15.50	10.51	12.75	10.96
11	10.56	10.06	12.82	13.80	17.26	16.82	17.05	17.47	15.38	10.43	12.65	10.87
12	10.53	10.18	13.06	13.66	17.18	16.70	17.19	17.43	15.21	10.23	12.53	11.11
13	10.51	10.31	12.97	13.39	17.10	16.58	17.32	17.36	15.07	10.18	12.40	11.26
14	10.52	10.39	12.82	13.17	17.02	16.46	17.36	17.29	14.95	10.52	11.93	11.36
15	10.47	10.45	12.67	13.04	16.88	16.35	17.37	17.21	14.81	11.30	11.78	11.22
16	10.44	10.55	12.54	13.07	16.72	16.26	17.36	17.14	14.67	12.20	11.62	11.12
17	10.39	10.64	12.43	13.04	16.50	16.19	17.33	17.08	14.52	11.99	11.42	11.06
18	10.37	10.61	12.32	12.86	16.38	16.14	17.28	17.00	14.35	12.05	11.24	11.02
19	10.35	10.52	12.22	12.69	16.28	16.11	17.20	16.93	14.09	12.13	11.08	10.97
20	10.32	10.43	12.13	12.92	16.22	16.13	17.13	16.86	13.87	12.16	11.00	10.08
21	10.30	10.33	12.05	13.83	16.09	16.14	17.30	16.79	13.68	12.20	10.90	13.04
22	10.28	10.23	11.72	14.46	15.97	16.20	17.97	16.72	13.49	12.49	10.82	13.95
23	10.26	10.12	11.52	15.21	16.48	16.41	18.25	16.80	13.31	12.56	10.73	14.32
24	10.25	10.01	11.35	15.75	17.12	16.41	18.35	16.70	13.11	12.88	10.64	14.32
25	10.23		11.16	15.87	17.34	16.40	18.42	16.61	12.92	12.72	10.57	14.11
26	10.20		11.02	15.80	17.42	16.38	18.40	16.53	12.79	14.85	10.57	14.00
27	10.18	10.13	10.90	15.78	17.43	16.36	18.45	16.44	12.78	15.72	10.56	13.90
28	10.16	10.32	10.79	15.78	17.42	16.35	18.42	16.36	12.66	15.89	10.50	13.70
29	10.13	10.40	10.68	15.73	---	16.36	18.36	16.27	12.44	15.71	10.47	13.80
30	10.11	10.52	10.63	15.65	---	16.37	18.30	16.39	12.20	15.41	10.50	13.78
31	10.10	---	10.63	15.95	---	16.37	---	16.82	---	15.37	10.47	---
MEAN	10.48	---	11.59	14.00	16.76	16.64	17.45	17.18	14.61	12.26	12.01	11.97
MAX	11.04	10.64	13.06	15.95	17.43	17.40	18.45	18.21	16.80	15.89	15.12	14.32
MIN	10.10	---	10.60	10.82	15.95	16.11	16.40	16.27	12.20	10.18	10.47	10.08

MISSISSIPPI RIVER DELTA

07385470 BAYOU TECHE AT ROBIN, LA

LOCATION.--Lat 30°26'48", long 91°55'22", in lot 51, 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 (6.0 km) upstream from gaging station Bayou Teche at Arnaudville (sta 07385500).

DRAINAGE AREA.--Not determined. 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 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 or 197 km²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, about 23.0 ft (7.01 m) Apr. 21, 1977; minimum, 9.63 ft (2.935 m) Oct. 30, 31, Nov. 1, 2, 1978, but may have been 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 (7.80 m) May 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 21.44 ft (6.535 m) Apr. 23; minimum, 9.63 ft (2.935 m) Oct. 30, 31, Nov. 1, 2, but may have been less during period of no gage-height record, Oct. 11-26.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.58	9.63	11.22	---	15.98	16.79	14.69	17.63	18.78	11.73	14.95	10.91
2	10.52	9.68	12.84	---	15.64	16.69	14.67	16.95	18.29	11.58	14.86	10.98
3	10.45	9.83	12.25	---	15.63	17.84	15.18	16.28	17.66	11.41	14.76	11.36
4	10.56	9.97	12.30	---	16.07	17.38	16.04	15.86	17.01	11.33	14.56	11.61
5	10.32	---	12.20	---	16.96	16.97	16.17	15.68	16.25	11.18	14.35	11.64
6	10.22	---	12.40	---	18.54	16.64	16.15	15.55	15.52	11.03	14.07	11.57
7	10.97	---	12.72	---	19.00	16.40	16.08	15.37	15.06	10.91	13.73	11.42
8	10.05	---	13.26	---	18.64	16.22	15.98	15.19	14.79	11.05	13.37	11.27
9	9.96	---	15.71	---	18.03	16.06	15.81	15.03	14.58	10.98	13.02	11.19
10	9.88	10.42	15.63	14.34	17.37	15.92	15.56	14.91	14.37	10.82	12.60	11.15
11	---	10.45	14.93	14.84	16.75	15.75	15.51	14.82	14.42	10.69	12.35	11.17
12	---	10.60	13.46	14.47	16.26	15.47	15.81	14.82	14.74	10.55	12.18	11.33
13	---	10.60	13.26	14.20	15.97	15.23	15.62	14.84	14.67	10.73	12.03	11.45
14	---	10.75	13.26	14.62	15.75	15.09	15.44	14.88	14.52	11.07	11.97	11.52
15	---	10.97	13.12	14.72	15.49	15.00	15.22	14.85	14.27	11.68	11.86	11.58
16	---	10.80	12.94	14.89	15.18	14.96	15.04	14.94	13.93	12.20	11.73	11.63
17	---	10.84	---	13.60	14.89	14.93	14.93	14.68	13.59	13.04	11.60	11.63
18	---	10.85	---	13.77	15.00	14.94	14.85	14.53	13.33	13.53	11.46	11.62
19	---	10.82	---	13.93	15.10	14.95	14.77	14.35	13.25	13.73	11.35	11.58
20	---	10.76	---	15.06	15.89	15.00	14.71	14.11	13.13	13.76	11.31	13.27
21	---	10.78	---	15.86	14.99	15.03	17.71	13.83	13.00	13.96	11.25	16.09
22	---	10.80	---	16.74	14.83	15.29	20.92	14.42	12.84	14.22	11.24	15.74
23	---	10.65	---	17.03	17.43	15.68	21.40	13.45	12.70	14.15	11.22	15.41
24	---	11.41	---	16.97	19.03	15.40	21.10	13.15	12.59	13.20	11.08	15.17
25	---	11.28	---	16.48	18.97	15.26	20.58	12.91	12.43	14.85	11.12	15.27
26	9.65	10.91	---	16.07	18.49	15.17	20.24	12.66	12.41	17.47	11.22	15.10
27	9.64	11.51	---	15.88	17.89	15.00	20.31	12.43	12.40	17.43	11.07	15.01
28	9.64	11.12	---	15.68	17.32	14.89	19.64	12.19	12.27	17.10	11.02	15.22
29	9.64	10.97	---	15.52	---	14.83	18.92	12.14	12.08	16.29	11.03	14.92
30	9.63	11.07	---	15.66	---	14.79	18.25	15.46	11.89	15.24	10.97	14.70
31	9.63	---	---	16.34	---	14.74	---	19.06	---	15.06	10.94	---
MEAN	---	---	---	---	16.68	15.62	16.91	14.74	14.23	12.97	12.27	12.75
MAX	---	---	---	---	19.03	17.84	21.40	19.06	18.78	17.47	14.95	16.09
MIN	---	---	---	---	14.83	14.74	14.67	12.14	11.89	10.55	10.94	10.91

MISSISSIPPI RIVER DELTA

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07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", in 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 (82 m) upstream from Bayou Fusilier.

DRAINAGE AREA.--1,531 mi² (3,965 km²). See REMARKS.

WATER-DISCHARGE RECORDS

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.

REMARKS.--Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big 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 (197 km²), into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Records of water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--30 years, 828 ft³/s (23.45 m³/s), 599,900 acre-ft/yr (740 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s (131 m³/s) May 24, 1953; maximum elevation, 24.27 ft (7.397 m), May 23, 1953; minimum discharge, 53 ft³/s (1.50 m³/s) Aug. 12, 1965, minimum elevation, 6.78 ft (2.067 m) Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,910 ft³/s (54.1 m³/s) Apr. 26, maximum elevation, 21.03 ft (6.410 m) Apr. 23; minimum daily discharge, 175 ft³/s (4.96 m³/s) Oct. 18-22, minimum elevation not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	185	388	560	1280	1520	1030	1450	810	516	1070	312
2	255	190	458	680	1240	1390	1030	1400	761	487	1050	326
3	252	200	483	800	1230	1470	1150	1280	868	459	1040	386
4	250	200	516	880	1310	1530	1400	1220	931	435	996	430
5	245	210	543	840	1380	1540	1400	1200	951	411	962	434
6	240	215	596	920	1600	1520	1400	1200	1010	391	892	416
7	230	220	653	1000	1610	1460	1370	1160	1020	367	780	395
8	225	220	802	960	1590	1410	1330	1130	1010	350	760	377
9	220	220	1040	1100	1570	1370	1270	1090	950	330	695	366
10	210	224	1040	976	1550	1310	1200	1080	945	310	613	359
11	195	228	918	894	1500	1270	1220	1070	972	300	568	358
12	200	237	687	838	1400	1190	1200	1050	1050	285	550	383
13	200	252	743	971	1330	1140	1190	1070	1050	290	521	405
14	195	262	741	1040	1270	1110	1150	1080	1020	351	509	412
15	195	270	703	1040	1190	1100	1110	1080	980	472	490	426
16	190	283	670	933	1130	1090	1080	1060	930	543	476	432
17	180	289	650	832	1070	1090	1060	1040	870	703	450	429
18	175	285	630	857	1070	1090	1040	1000	816	784	432	426
19	175	281	600	905	1120	1080	1020	968	795	829	408	418
20	175	267	560	1040	1110	1100	1020	914	781	845	400	535
21	175	267	540	1250	1090	1100	1400	850	759	863	394	1140
22	175	251	520	1280	1070	1100	1630	780	717	930	366	1180
23	180	241	500	1270	1340	1160	1480	749	687	906	373	1160
24	175	228	480	1360	1570	1160	1470	723	671	646	358	1140
25	180	217	460	1360	1520	1150	1440	677	638	700	344	1170
26	180	206	440	1300	1620	1150	1630	634	628	900	362	1130
27	185	239	430	1280	1600	1090	1460	588	626	980	347	1110
28	180	305	400	1250	1550	1080	1430	545	610	1010	333	1170
29	180	324	390	1210	---	1070	1410	522	578	1020	339	1080
30	185	340	380	1210	---	1050	1450	816	543	1040	346	1040
31	190	---	370	1290	---	1040	---	982	---	1050	335	---
TOTAL	6254	7356	18331	32126	37910	37930	38470	30408	24977	19503	17559	19345
MEAN	202	245	591	1036	1354	1224	1282	981	833	629	566	645
MAX	262	340	1040	1360	1620	1540	1630	1450	1050	1050	1070	1180
MIN	175	185	370	560	1070	1040	1020	522	543	285	333	312
AC-FT	12400	14590	36360	63720	75190	75230	76310	60310	49540	38680	34830	38370
CAL YR 1978 TOTAL	212971			MEAN 583	MAX 1550	MIN 167	AC-FT 422400					
WTR YR 1979 TOTAL	290169			MEAN 795	MAX 1630	MIN 175	AC-FT 575600					

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.37	9.52	10.90	10.76	15.29	16.01	14.07	17.01	18.52	11.41	14.36	10.65
2	10.31	9.60	11.21	11.73	14.95	15.98	14.05	16.29	18.02	11.26	14.24	10.70
3	10.25	9.68	11.46	13.56	14.94	17.22	14.51	15.62	17.33	11.12	14.14	11.05
4	---	9.73	11.93	13.54	15.35	16.67	15.25	15.20	16.62	10.96	13.96	11.27
5	---	9.79	11.80	13.28	16.31	16.19	15.39	15.02	15.80	10.83	13.76	11.30
6	---	9.87	12.06	13.16	17.92	15.83	15.37	14.88	14.99	10.68	13.52	11.24
7	---	10.00	12.27	13.37	18.41	15.60	15.32	14.71	14.48	10.59	13.24	11.10
8	---	10.08	12.70	14.01	18.03	15.44	15.23	14.54	14.20	10.76	12.87	10.96
9	---	10.18	15.16	14.05	17.38	15.30	15.11	14.40	14.83	---	12.55	10.89
10	---	10.22	15.08	13.78	16.65	15.19	14.88	14.27	13.80	---	12.17	10.85
11	---	10.25	14.42	13.36	15.97	15.04	14.80	14.19	13.83	---	11.93	10.88
12	---	10.30	13.03	13.09	15.49	14.80	15.16	14.21	14.15	---	11.78	11.02
13	---	10.38	12.77	13.58	15.23	14.57	14.96	14.20	14.10	10.47	11.64	11.12
14	---	10.44	12.77	13.90	14.93	14.45	14.79	14.24	13.98	10.78	11.57	11.20
15	---	10.49	12.65	13.91	14.81	14.36	14.59	14.20	13.80	11.31	11.49	11.25
16	---	10.56	12.51	13.47	14.53	14.31	14.41	14.14	13.53	11.80	11.36	11.29
17	---	10.60	12.32	13.06	14.26	14.29	14.31	14.04	13.20	12.56	11.24	11.30
18	---	10.61	12.07	13.21	14.38	14.30	14.24	13.92	12.90	13.03	11.11	11.29
19	---	10.58	11.85	13.35	14.45	14.31	14.17	13.75	12.76	13.20	11.02	11.25
20	---	10.54	11.66	14.47	14.41	14.35	14.11	13.54	12.66	13.21	10.98	12.94
21	---	10.47	11.50	15.09	14.27	14.38	17.12	13.54	12.54	13.42	10.92	15.51
22	---	10.42	11.37	15.02	14.26	14.84	20.44	13.29	12.41	13.64	10.94	15.10
23	---	10.36	11.25	15.54	16.86	15.05	21.00	12.97	12.28	13.59	10.92	14.75
24	---	10.29	11.13	16.34	18.46	14.74	20.69	12.67	12.16	12.79	10.77	14.52
25	9.47	10.21	11.01	15.78	18.42	14.59	20.16	12.44	12.04	14.48	10.83	14.60
26	9.45	10.53	10.92	15.28	17.86	14.50	19.72	12.22	11.95	17.15	10.92	14.44
27	9.45	11.26	10.84	15.09	17.21	14.36	19.87	12.00	11.95	17.06	10.77	14.35
28	9.47	10.87	10.78	14.98	16.60	14.25	19.17	11.79	11.89	16.67	10.74	14.54
29	9.49	10.69	10.72	14.84	---	14.20	18.41	11.76	11.74	15.81	10.74	14.29
30	9.51	10.70	10.68	14.99	---	14.17	17.69	15.08	11.56	14.72	10.67	14.07
31	9.49	---	10.67	15.68	---	14.12	---	18.74	---	14.48	10.65	---
MEAN	---	10.31	11.98	14.04	15.99	14.95	16.30	14.16	13.80	---	11.86	12.32
MAX	---	11.26	15.16	16.34	18.46	17.22	21.00	18.74	18.52	---	14.36	15.51
MIN	---	9.52	10.67	10.76	14.26	14.12	14.05	11.76	11.56	---	10.65	10.65

MISSISSIPPI RIVER DELTA

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07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-56, 1959-60, 1967-73, 1976 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979												
DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
DEC 07...	0845	220	7.4	17.0	40	2	7.2	1.7	K200	7400	69	0
FEB 13...	0945	75	6.6	9.0	100	70	11.4	4.4	180	920	26	3
APR 06...	0845	92	6.8	17.0	200	200	6.9	3.9	K1800	1500	36	8
JUL 05...	1315	259	7.0	29.5	50	45	2.3	1.2	K170	K150	92	8

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
DEC 07...	17	6.4	14	30	.7	--	3.1	89	0	73	7.6	20
FEB 13...	6.1	2.7	5.0	28	.4	--	1.8	29	0	24	5.9	5.0
APR 06...	9.5	3.1	4.7	21	.3	--	2.1	35	0	29	9.6	5.4
JUL 05...	22	8.9	15	26	.7	18	2.9	102	0	84	14	25

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)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
DEC 07...	.1	14	137	126	.19	.30	.59	.89	3.9	.21	--	--
FEB 13...	.1	6.0	52	47	.07	.10	.67	.77	3.4	.21	--	--
APR 06...	.1	5.6	60	57	.08	.36	.98	1.3	5.9	.38	1.2	1.2
JUL 05...	.2	12	156	150	.21	.55	1.0	1.6	6.9	.30	.92	.92

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

MISSISSIPPI RIVER DELTA

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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)	
DEC 07...		2	22	1	0	10	2	11	18	130	11000	1

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/HG AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 07...	140	30	330	.0	.10	10	50	7.0	.00	5	.0

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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)
DEC 07...	39	.00	.00	1.1	.0	140	.00	87	.00	36	.00

DATE	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)	ENDRI- N, TOTAL (UG/L)	ENDRI- N, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 07...	86	.00	.0	.00	9.8	.00	.00	.0	.00	.0

DATE	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)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)
DEC 07...	.00	.0	.00	2.9	.00	.0	.00	.0	.00	.0

DATE	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)
DEC 07...	.00	.0	.00	.00	.0	.00	0	0	.00	.0

LOCATION.--Lat 30°29'00", long 92°29'25", in SW¼SE¼ 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 (4.8 km) downstream from New Orleans, Texas, and Mexico Railway Co. bridge, and 4.0 mi (6.4 km) west of Eunice.

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

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft (4.523 m) 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 (2.9 km) downstream from base gage. Datum of auxiliary gage is 13.70 ft (4.176 m) National Geodetic Vertical Datum of 1929. See WSP 1732 for history of changes prior to Jan. 13, 1958.

AVERAGE DISCHARGE.--41 years, 266 ft³/s (7.53 m³/s), 27.57 in/yr (700 mm/yr), 192,700 acre-ft/yr (238 km³/yr).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,040 ft³/s (171 m³/s) May 31, gage height, 19.14 ft (5.834 m); minimum, 0.06 ft³/s (0.002 m³) Nov. 8, 9-16, 17, gage height, 0.73 ft (0.223 m).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	.27	30	24	710	77	95	76	5020	.95	152	188
2	6.7	.15	21	147	165	137	281	73	2260	1.5	137	454
3	7.2	.12	16	76	880	1780	841	73	1080	1.7	131	463
4	7.4	.11	19	36	1960	1190	2350	483	631	1.2	94	110
5	6.5	.10	21	23	2000	305	1480	1140	226	.90	66	46
6	5.4	.09	18	25	3900	87	420	397	112	1.2	48	128
7	4.7	.08	14	1250	3970	58	115	107	62	.95	43	71
8	3.9	.08	43	1300	1620	56	89	61	39	4.3	40	28
9	4.0	.06	818	390	493	40	67	52	23	102	59	11
10	3.8	.06	299	89	133	33	115	60	18	79	81	7.0
11	3.1	.06	78	55	94	48	136	51	30	83	80	4.9
12	2.6	.06	54	33	69	35	242	282	25	59	51	4.4
13	2.5	.06	21	27	74	27	356	106	8.8	1.43	32	3.5
14	8.2	.06	16	18	120	30	159	71	4.8	277	41	2.7
15	5.3	.06	12	12	88	18	89	49	3.8	289	122	1.9
16	3.5	.06	10	8.6	71	15	50	36	3.4	185	50	1.3
17	2.3	.09	9.3	7.1	51	14	40	26	2.7	137	27	4.8
18	1.3	1.6	7.8	10	474	14	66	16	2.5	144	17	205
19	1.0	3.7	6.8	10	393	13	56	15	2.1	198	23	79
20	.98	5.0	4.5	1440	111	290	130	11	1.6	168	91	2550
21	.95	5.2	5.9	2160	80	179	2810	8.4	1.3	358	291	4650
22	.95	5.2	4.5	927	84	169	5070	7.6	1.4	329	147	4660
23	.95	5.2	4.0	852	1690	575	5470	23	1.6	143	70	1580
24	.95	5.2	4.4	1800	4680	165	3900	24	1.3	278	44	450
25	.89	4.6	4.1	736	4420	82	1110	13	1.6	905	31	85
26	.77	8.5	3.6	296	1750	33	503	7.4	1.6	1450	20	44
27	.72	222	4.8	836	459	22	2160	5.7	1.3	1260	12	30
28	.66	157	4.6	329	113	20	1270	4.6	1.3	730	8.6	21
29	.57	64	6.5	110	---	32	296	33	1.2	262	5.6	15
30	.48	42	7.0	417	---	48	97	2040	1.0	127	5.3	11
31	.39	---	7.4	1670	---	68	---	5930	---	160	8.3	---
TOTAL	97.46	530.77	1575.2	15113.7	30652	5660	29863	11281.7	9569.3	7878.70	2027.8	15909.5
MEAN	3.14	17.7	50.8	488	1095	183	995	364	319	254	65.4	530
MAX	8.8	222	818	2160	4680	1780	5470	5930	5020	1450	291	4660
MIN	.39	.06	3.6	7.1	51	13	40	4.6	1.0	.90	5.3	1.3
CFSM	.02	.14	.39	3.73	8.36	1.40	7.60	2.78	2.44	1.94	.50	4.05
IN.	.03	.15	.45	4.29	8.70	1.61	8.48	3.20	2.72	2.24	.58	4.52
AC-FT	193	1050	3120	29980	60800	11230	59230	22380	18980	15630	4020	31560
CAL YR 1978	TOTAL	42022.43	MEAN	115	MAX	4330	MIN	.06	CFSM	.88	IN	11.93
WTR YR 1979	TOTAL	130159.13	MEAN	357	MAX	5930	MIN	.06	CFSM	2.73	IN	36.96
									AC-FT	258200		

MERMENTAU RIVER BASIN

0801000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.63	.82	2.28	2.24	11.33	3.58	4.00	3.54	18.41	1.16	5.04	4.08
2	1.49	.77	2.03	4.89	5.79	3.95	5.83	3.49	16.08	1.23	4.79	8.07
3	1.53	.76	1.87	3.57	9.28	14.51	10.81	3.49	13.44	1.26	4.69	9.13
4	1.54	.75	1.96	2.58	15.52	13.53	15.88	7.32	10.49	1.19	3.99	4.40
5	1.48	.75	2.03	2.20	15.49	7.31	14.50	12.68	6.53	1.15	3.29	2.82
6	1.40	.74	1.92	2.28	17.53	3.81	8.60	7.75	4.38	1.19	2.85	4.45
7	1.35	.74	1.72	12.30	17.65	3.09	4.43	4.23	3.22	1.16	2.73	3.41
8	1.29	.74	2.32	13.75	15.09	3.04	3.88	3.18	2.70	1.49	2.63	2.34
9	1.30	.73	10.78	7.97	10.20	2.66	3.33	2.95	2.28	4.13	3.11	1.80
10	1.28	.73	7.08	4.00	5.34	2.45	4.40	3.16	2.14	3.63	3.67	1.55
11	1.23	.73	3.58	3.26	3.98	2.85	4.78	2.92	2.47	3.71	3.65	1.41
12	1.18	.73	2.82	2.75	3.37	2.50	6.10	6.46	2.33	3.11	2.91	1.37
13	1.17	.73	2.16	2.59	3.49	2.27	7.44	4.20	1.80	4.37	2.42	1.30
14	1.59	.73	2.00	2.33	4.48	2.37	5.16	3.43	1.53	6.75	2.64	1.23
15	1.40	.73	1.85	2.09	3.83	2.01	3.86	2.87	1.45	6.86	4.51	1.15
16	1.26	.73	1.76	1.92	3.43	1.92	2.90	2.55	1.42	5.67	2.89	1.08
17	1.15	.74	1.71	1.82	2.93	1.87	2.64	2.25	1.36	4.79	2.28	1.40
18	1.04	1.03	1.62	2.00	7.78	1.89	3.31	1.96	1.34	4.90	1.99	5.61
19	1.00	1.27	1.55	2.00	8.08	1.86	3.04	1.92	1.30	5.75	2.17	3.60
20	1.00	1.37	1.39	11.99	4.35	6.30	3.80	1.76	1.25	5.30	3.89	13.49
21	.99	1.39	1.49	15.93	3.65	5.65	15.35	1.60	1.21	7.42	6.74	18.10
22	.99	1.39	1.39	12.53	3.71	4.81	18.41	1.55	1.22	7.14	4.97	18.11
23	.99	1.39	1.35	10.59	13.31	9.49	18.73	2.17	1.25	4.92	3.39	13.64
24	.99	1.39	1.38	15.09	18.05	5.50	17.58	2.19	1.21	6.55	2.75	7.16
25	.98	1.35	1.36	11.29	17.96	3.68	13.70	1.81	1.24	11.08	2.42	3.80
26	.95	1.50	1.32	6.90	15.15	2.51	9.03	1.54	1.25	14.24	2.10	2.90
27	.94	5.69	1.41	11.20	9.46	2.20	15.44	1.43	1.21	13.67	1.84	2.53
28	.93	5.16	1.40	7.49	4.53	2.14	13.79	1.34	1.21	11.11	1.66	2.27
29	.91	3.17	1.53	4.32	---	2.47	7.22	2.08	1.19	6.81	1.46	2.06
30	.89	2.62	1.56	6.43	---	2.88	4.04	11.37	1.17	4.67	1.44	1.89
31	.86	---	1.59	14.50	---	3.34	---	19.06	---	5.18	1.64	---
MEAN	1.18	1.38	2.26	6.61	9.10	4.14	8.40	4.14	3.60	5.21	3.11	4.87
MAX	1.63	5.69	10.78	15.93	18.05	14.51	18.73	19.06	18.41	14.24	6.74	18.11
MIN	.86	.73	1.32	1.82	2.93	1.86	2.64	1.34	1.17	1.15	1.44	1.08

08011500 BOGGY BAYOU NEAR PINE PRAIRIE, LA

LOCATION.--Lat 30°46'10", long 92°28'03", in SE¼NE¼ sec.21, T.3 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, near right bank on downstream side of bridge on State Highway 106, 2.8 mi (4.5 km) upstream from Beaver Creek, and 3.0 mi (4.8 km) west of Pine Prairie.

DRAINAGE AREA.--51.3 mi² (132.9 km²).

PERIOD OF RECORD.--September 1948 to December 1951 (published as Cypress Creek near Pine Prairie). Annual maximums, water years 1952-58, 1962-65. Occasional low-flow measurements, water years 1956, 1960, 1962-65. November 1965 to September 1979 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 61.33 ft (18.693 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1951, water-stage recorder. Jan. 28, 1952, to Oct. 14, 1958, and Aug. 2, 1961, to Nov. 9, 1965, crest-stage gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--16 years (water years 1949-51, 1966-79), 84.6 ft³/s (2.396 m³/s), 22.40 in/yr (569 mm/yr), 61,290 acre-ft/yr (75.6 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,400 (493 m³/s) Apr. 23, 1965, gage height, 18.78 ft (5.724 m), from rating curve extended above 6,560 ft³/s (186 m³/s) on basis of contracted-opening and flow-over-road measurements of peak flow; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	0615	1410 39.9	13.33 4.063	Apr. 5	0430	1230 34.8	12.98 3.956
Feb. 7	1230	1180 33.4	12.86 3.920	Apr. 23	0030	1380 39.1	13.29 4.051
Feb. 24	1930	2450 69.4	14.13 4.307	Sept. 20	unknown	*8180 232	16.55 5.044

a Annual maximum from floodmark.

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	0	3.0	411	253	73	11	51	255	1.3	5.7	20
2	3.3	0	2.7	464	149	59	33	42	175	1.1	3.5	105
3	2.7	0	3.4	196	141	147	132	37	70	.85	2.7	282
4	2.3	0	5.9	76	283	179	833	63	52	.72	5.3	64
5	2.1	0	6.8	36	436	142	1150	59	46	.75	3.9	56
6	1.7	0	6.7	48	905	79	602	46	25	.63	1.9	53
7	1.3	0	5.8	373	1150	49	229	35	16	.58	1.1	40
8	.95	0	7.8	325	880	38	56	28	12	1.0	.73	20
9	.58	0	28	148	479	32	35	24	9.0	2.1	.43	12
10	.21	0	16	62	202	28	28	21	14	10	.20	8.0
11	0	0	13	38	81	26	27	19	153	6.0	.10	5.5
12	0	0	8.4	30	59	24	24	28	123	4.7	3.5	4.5
13	0	0	6.2	25	50	22	27	19	27	5.0	2.1	3.7
14	0	0	5.1	21	44	20	25	16	11	4.3	1.4	3.2
15	0	0	4.5	18	38	19	21	14	6.9	4.2	1.0	2.8
16	0	0	4.2	16	34	17	18	13	4.9	6.7	.79	2.5
17	0	0	4.5	14	31	16	15	11	3.7	5.7	.90	2.3
18	0	0	4.7	13	188	14	13	10	2.8	4.0	.80	2.5
19	0	0	4.9	12	244	13	12	9.4	2.3	2.8	.70	100
20	0	.19	5.0	990	151	103	16	8.5	1.9	3.4	2.4	6500
21	0	.97	4.9	1370	123	184	639	7.7	1.6	5.7	10	5000
22	0	.85	4.7	946	126	171	1160	7.4	1.2	4.1	7.0	2000
23	0	.90	4.9	528	796	225	1280	7.7	1.5	3.2	5.0	700
24	0	.92	5.1	409	1840	127	814	7.5	2.0	1.9	19	200
25	0	.78	4.9	192	1640	64	372	6.7	2.1	5.2	11	100
26	0	1.0	4.9	136	906	34	272	7.8	2.3	32	7.0	70
27	0	2.4	4.9	407	439	23	458	6.5	1.8	105	4.5	55
28	0	3.4	4.7	346	153	18	308	5.1	1.3	102	3.0	46
29	0	4.3	4.8	250	---	15	163	5.4	1.6	54	2.0	40
30	0	3.4	5.4	256	---	13	70	164	1.4	20	1.2	36
31	0	---	6.5	420	---	11	---	374	---	9.6	2.0	---
TOTAL	18.94	19.11	202.3	8576	11821	1985	8843	1153.7	1027.3	408.53	110.85	15534.0
MEAN	.61	.64	6.53	277	422	64.0	295	37.2	34.2	13.2	3.58	518
MAX	3.8	4.3	28	1370	1840	225	1280	374	255	105	19	6500
MIN	0	0	2.7	12	31	11	11	5.1	1.2	.58	.10	2.3
CFSM	.01	.01	.13	5.40	8.23	1.25	5.75	.73	.67	.26	.07	10.1
IN.	.01	.01	.15	6.22	8.57	1.44	6.41	.84	.74	.30	.08	11.26
AC-FT	38	38	401	17010	23450	3940	17540	2290	2040	810	220	30810
CAL YR 1978	TOTAL	13840.66	MEAN	37.9	MAX	1480	MIN	0	CFSM	.74	IN	10.04
WTR YR 1979	TOTAL	49699.73	MEAN	136	MAX	6500	MIN	0	CFSM	2.65	IN	36.04
									AC-FT	27450		98580

MERMENTAU RIVER BASIN

08011500 BOGGY BAYOU NEAR PINE PRAIRIE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.78	---	2.83	8.92	7.56	5.07	3.21	4.36	7.58	2.62	2.87	---
2	2.75	---	2.81	9.49	6.27	4.77	3.98	4.12	6.56	2.59	2.72	4.94
3	2.70	1.95	2.87	6.86	6.10	6.23	5.69	3.97	4.77	2.56	2.65	7.95
4	2.66	1.94	3.03	5.12	7.90	6.69	11.53	4.62	4.39	2.54	2.83	4.83
5	2.64	1.93	3.10	4.23	9.17	6.19	12.62	4.57	4.23	2.54	2.75	4.67
6	2.60	1.92	3.09	4.52	11.90	5.14	10.34	4.23	3.62	2.52	2.58	4.60
7	2.55	1.91	3.05	8.71	12.78	4.49	7.20	3.91	3.33	2.51	2.49	---
8	2.50	1.90	3.15	8.28	11.80	4.21	4.66	3.69	3.16	2.58	2.43	---
9	2.44	1.88	3.99	6.25	9.58	4.02	4.14	3.55	3.05	2.65	2.38	---
10	2.38	1.88	3.53	4.87	6.91	3.89	3.91	3.44	3.30	3.21	2.34	---
11	2.33	1.87	3.40	4.29	5.20	3.83	3.85	3.35	6.26	2.99	2.32	---
12	2.30	1.86	3.21	4.04	4.77	3.74	3.76	3.70	5.86	2.91	2.72	---
13	2.26	1.86	3.09	3.88	4.54	3.67	3.86	3.37	3.85	2.94	2.60	---
14	2.22	1.85	3.03	3.74	4.37	3.61	3.79	3.23	3.25	2.89	2.52	---
15	2.21	1.91	3.00	3.64	4.22	3.54	3.65	3.17	3.04	2.88	2.48	---
16	2.19	2.01	2.97	3.56	4.10	3.50	3.53	3.09	2.93	3.02	2.44	---
17	2.16	2.06	2.99	3.48	4.00	3.44	3.41	3.03	2.85	2.98	---	---
18	2.14	2.07	3.01	3.42	6.60	3.36	3.33	2.99	2.78	2.87	---	---
19	2.12	2.07	3.02	3.39	7.46	3.31	3.29	2.94	2.73	2.77	---	---
20	2.10	2.28	3.02	11.82	6.32	5.30	3.42	2.89	2.69	2.81	2.63	---
21	2.08	2.58	3.02	13.21	5.92	6.74	10.11	2.86	2.66	2.97	---	---
22	2.07	2.56	3.01	11.92	5.88	6.57	12.62	2.84	2.61	2.87	---	---
23	2.05	2.58	3.02	9.97	11.34	7.24	13.00	2.85	2.65	2.81	---	---
24	2.03	2.58	3.03	9.06	13.63	5.95	11.40	2.84	2.71	2.68	3.50	---
25	2.01	2.57	3.02	6.83	13.46	4.85	8.70	2.80	2.71	2.91	---	---
26	2.00	2.60	3.02	6.06	11.78	4.10	7.38	2.86	2.74	3.98	---	---
27	1.99	2.76	3.02	9.07	9.26	3.72	9.45	2.79	2.68	5.62	---	---
28	1.97	2.85	3.01	8.51	6.29	3.51	8.15	2.71	2.62	5.57	---	4.41
29	1.95	2.92	3.01	7.53	---	3.38	6.37	2.72	2.65	4.58	---	4.24
30	---	2.86	3.05	7.46	---	3.29	4.83	5.43	2.64	3.53	---	4.12
31	---	---	3.10	9.17	---	3.25	---	8.78	---	3.07	---	---
MEAN	---	---	3.08	6.82	7.83	4.54	6.51	3.60	3.56	3.10	---	---
MAX	2.78	2.92	3.99	13.21	13.63	7.24	13.00	8.78	7.58	5.62	3.50	---
MIN	---	1.85	2.81	3.39	4.00	3.25	3.21	2.71	2.61	2.51	2.32	---

MERMENTAU RIVER BASIN

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08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE¼NW¼ sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft (400 m) downstream from New Orleans, Texas, and Mexico Railway Co. bridge, and 2.0 mi (3.2 km) west of Basile.

DRAINAGE AREA.--527 mi² (1,365 km²).

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 (1.033 m) National Geodetic Vertical Datum of 1929. Prior to July 1947, non-recording gage at same site and datum. Nonrecording gage for Bayou Nezpique at Mamou Pumping Plant (station 08012020) used as auxiliary gage for this station since Mar. 27, 1945.

REMARKS.--Records good. Records of water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 814 ft³/s (23.05 m³/s), 20.98 in/yr (535 mm/yr), 589,300 acre-ft/yr (727 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s (1,010 m³/s) May 20, 1953, gage height, 34.39 ft (10.482 m); minimum discharge, 0.1 ft³/s (0.003 m³/s) June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft (0.305 m) June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,500 ft³/s (408 m³/s) Sept. 23, gage height, 26.46 ft (8.065 m); minimum, 2.2 ft³/s (0.062 m³/s) Nov. 2, 3, 4, gage height, 1.18 ft (0.360 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	2.3	38	52	2980	4940	200	2460	8300	70	1460	15
2	14	2.2	32	839	3210	4220	282	2270	10000	67	870	53
3	13	2.2	27	1320	2930	3820	1290	1980	8790	62	318	536
4	12	2.4	25	1150	3200	3610	2750	1450	6410	55	184	545
5	10	4.2	49	910	3700	3140	3930	1030	4970	58	119	426
6	8.9	6.7	62	630	4600	2430	3880	664	4230	81	92	554
7	7.8	6.2	48	1030	5520	1740	3410	349	3790	77	83	659
8	7.8	5.2	38	2120	5710	964	2900	250	3180	147	87	415
9	7.5	5.1	139	2400	5400	680	2390	121	1820	303	87	211
10	6.8	5.4	276	1940	4940	465	1870	126	700	472	78	101
11	6.0	5.4	216	1110	4230	330	2000	110	545	519	75	63
12	5.4	5.6	153	682	3700	220	2000	101	727	401	63	45
13	4.8	5.2	102	420	3130	160	1620	129	555	332	49	32
14	4.3	4.8	66	181	2520	115	905	131	361	407	42	25
15	3.7	4.1	47	123	2160	112	512	126	210	577	75	19
16	3.3	3.8	35	95	1670	95	343	93	125	639	103	15
17	3.2	3.6	28	72	672	85	208	71	90	486	83	19
18	3.0	3.3	22	81	455	91	164	59	75	393	59	354
19	2.7	3.5	19	87	1080	86	131	53	70	565	74	627
20	2.7	5.3	16	1380	1160	414	361	48	65	604	77	2670
21	2.6	6.1	15	3810	959	1570	2570	50	64	805	98	7930
22	2.6	6.9	13	4990	816	2180	4300	47	64	976	155	13100
23	2.4	7.5	13	4830	1860	2230	4680	49	65	770	133	14400
24	2.4	6.7	12	4670	4680	2400	4700	59	57	417	106	13000
25	2.4	5.6	11	4700	6310	1960	4550	58	56	1360	76	11000
26	2.4	6.1	9.6	4260	6670	1390	4270	46	69	3430	87	8380
27	2.4	14	8.5	3820	6390	558	3900	37	82	5480	78	6020
28	2.3	56	7.6	3540	5710	294	3620	37	75	4540	45	4730
29	2.3	76	7.0	3590	---	216	3360	48	73	3880	27	3920
30	2.4	53	7.3	2950	---	176	2940	1370	74	3060	19	3400
31	2.3	---	7.9	2560	---	184	---	4980	---	2150	15	---
TOTAL	169.4	324.4	1549.9	60342	96362	40875	70036	18402	55692	33183	4917	93264
MEAN	5.46	10.8	50.0	1947	3442	1319	2335	594	1856	1070	159	3109
MAX	16	76	276	4990	6670	4940	4700	4980	10000	5480	1460	14400
MIN	2.3	2.2	7.0	52	455	85	131	37	56	55	15	15
AC-FT	336	643	3070	119700	191100	81080	138900	36500	110500	65820	9750	185000
CAL YR 1978	TOTAL	146774.7	MEAN	402	MAX	5810	MIN	2.2	AC-FT	291100		
WTR YR 1979	TOTAL	475116.7	MEAN	1302	MAX	14400	MIN	2.2	AC-FT	942400		

MERMENTAU RIVER BASIN

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.83	1.19	2.46	2.39	19.73	21.89	5.49	18.83	23.61	3.35	15.96	1.82
2	1.77	1.18	2.30	10.86	19.69	21.38	6.56	18.10	24.46	3.28	13.04	2.77
3	1.71	1.18	2.19	13.66	19.38	20.91	13.05	17.23	23.97	3.16	9.31	9.31
4	1.68	1.20	2.13	12.86	19.67	20.48	17.54	15.79	22.95	2.99	6.43	9.48
5	1.61	1.31	2.71	11.54	20.45	19.88	19.57	14.02	21.99	3.08	4.76	8.34
6	1.55	1.45	2.98	9.54	21.50	18.95	20.04	12.32	21.24	3.58	4.08	9.46
7	1.50	1.42	2.68	11.93	22.31	17.61	19.90	9.48	20.45	3.50	3.61	10.26
8	1.50	1.37	2.45	16.30	22.45	15.31	19.29	6.98	19.27	4.68	3.71	8.19
9	1.48	1.36	4.16	17.27	22.15	11.47	18.42	5.46	16.76	6.88	3.71	5.63
10	1.45	1.38	6.12	16.62	21.71	8.01	17.57	4.62	12.81	8.82	3.52	3.96
11	1.41	1.38	5.37	---	21.20	6.00	17.22	4.14	11.91	9.28	3.46	3.19
12	1.38	1.39	4.49	12.25	20.62	5.02	17.03	3.97	11.33	8.07	3.19	2.74
13	1.35	1.37	3.68	8.27	19.91	4.63	15.98	4.45	9.74	7.25	2.85	2.39
14	1.32	1.34	3.04	5.75	19.11	4.44	13.63	4.48	7.59	8.14	2.68	2.16
15	1.28	1.30	2.66	4.41	18.13	4.17	10.37	4.40	5.62	9.70	3.44	1.97
16	1.26	1.29	2.38	3.71	16.51	3.86	7.54	3.82	4.38	10.14	4.01	1.82
17	1.25	1.27	2.19	3.39	12.96	3.67	5.68	3.36	3.76	8.96	3.63	1.96
18	1.24	1.26	2.03	3.29	10.31	3.79	5.00	3.11	3.46	8.00	3.09	7.29
19	1.22	1.27	1.93	3.40	12.33	3.67	4.47	2.95	3.35	9.57	3.41	10.08
20	1.22	1.37	1.83	12.63	12.63	7.55	6.82	2.84	3.23	9.93	3.49	16.41
21	1.21	1.42	1.77	19.47	11.79	14.23	16.99	2.88	3.21	11.03	3.89	23.07
22	1.21	1.46	1.73	21.22	11.08	16.25	20.20	2.81	3.20	11.95	4.85	25.74
23	1.20	1.48	1.70	21.63	14.99	17.02	21.23	2.85	3.23	10.83	4.52	26.40
24	1.20	1.44	1.68	21.81	20.45	17.45	21.52	3.09	3.06	8.96	4.06	25.99
25	1.20	1.39	1.62	21.71	22.40	16.66	21.47	3.07	3.02	13.32	3.47	25.13
26	1.20	1.41	1.56	21.37	22.94	14.40	21.25	2.77	3.33	18.72	3.69	24.05
27	1.20	1.76	1.51	21.04	22.77	10.47	20.95	2.54	3.60	20.96	3.52	22.89
28	1.19	2.82	1.47	20.71	22.37	7.29	20.54	2.54	3.46	21.38	2.74	21.85
29	1.19	3.22	1.44	20.17	---	5.73	20.07	2.80	3.41	20.90	2.21	20.94
30	1.20	2.79	1.45	19.49	---	5.14	19.50	11.56	3.44	19.86	1.95	19.91
31	1.19	---	1.48	19.32	---	5.26	---	21.11	---	18.19	1.84	---
MEAN	1.36	1.52	2.49	---	18.63	11.37	15.50	7.04	10.16	9.95	4.46	11.84
MAX	1.83	3.22	6.12	21.81	22.94	21.89	21.52	21.11	24.46	21.38	15.96	26.40
MIN	1.19	1.18	1.44	---	10.31	3.67	4.47	2.54	3.02	2.99	1.84	1.82

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE¼SE¼ sec.4, T.1 S., R.3 W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi (1.6 km) upstream from Prairie Branch, and 4.6 mi (7.4 km) northwest of Glenmora.

DRAINAGE AREA.--499 mi² (1,292 km²).

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

REVISED RECORDS.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft (33.763 m) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 715 ft³/s (20.25 m³/s), 19.46 in/yr (494 mm/yr), 518,000 acre-ft/yr (639 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s (1,700 m³/s) May 19, 1953, gage height, 21.55 ft (6.568 m); minimum, 15 ft³/s (0.42 m³/s) Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft (1.176 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 11	0500	5130 145	14.03 4.276	Feb. 26	2315	*9170 260	*14.96 4.560
Jan. 24	0745	4150 118	13.73 4.185	Apr. 7	0800	5130 145	14.03 4.276
Feb. 10	0015	5920 168	14.24 4.340	Sept. 22	1700	6890 195	14.47 4.410

Minimum discharge, 22 ft³/s (0.62 m³/s) Oct. 28 to Nov. 6; minimum gage height, 4.26 ft (1.298 m) Oct. 30, 31, Nov. 4-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	22	81	835	1760	3400	386	472	277	47	482	125
2	32	22	117	1220	1790	2630	329	278	435	46	224	104
3	31	22	125	1300	1850	2230	445	308	558	45	136	103
4	30	22	341	1710	1990	2240	1130	501	651	44	104	140
5	29	22	400	2910	2160	2710	1580	541	709	43	88	118
6	28	22	370	3660	2480	3530	2340	593	766	42	79	100
7	23	23	330	3950	2730	3330	4950	654	650	41	74	104
8	23	23	700	3570	3540	2660	3990	671	426	42	95	244
9	26	23	1400	3100	5130	2090	2970	556	291	44	92	322
10	26	23	1600	4110	5450	1580	2230	377	209	50	91	217
11	26	23	1400	4860	4110	1030	1580	273	174	72	233	115
12	26	25	1100	3740	3140	768	901	198	147	68	210	83
13	25	25	750	2960	2420	754	545	157	120	57	142	69
14	25	25	550	2240	1830	817	429	136	102	176	99	61
15	24	25	358	1580	1210	873	428	121	89	193	83	55
16	24	24	230	887	735	909	449	108	81	146	72	52
17	24	25	150	530	553	861	431	98	74	183	65	51
18	24	25	113	386	723	857	375	94	70	123	67	57
19	23	25	100	339	968	952	305	90	66	88	104	58
20	23	27	90	1460	1080	1200	243	87	64	71	85	1980
21	23	27	82	3060	1290	1550	314	84	61	71	74	4080
22	23	27	77	3890	1580	1900	536	81	59	70	65	6300
23	23	27	74	3890	2320	2140	1020	80	57	65	59	5790
24	23	31	70	4090	3710	2080	1350	77	56	93	55	4090
25	23	32	66	3620	4650	1970	1920	75	54	106	57	3060
26	23	32	63	3070	7150	2020	2550	74	53	160	96	2340
27	23	35	60	2480	7600	1950	2500	74	51	434	218	1640
28	22	36	58	1940	4780	1770	2210	71	50	573	365	768
29	22	42	57	1600	---	1460	1780	69	49	666	436	333
30	22	53	90	1540	---	914	1120	85	48	756	308	210
31	22	---	372	1660	---	544	---	176	---	719	156	---
TOTAL	775	815	11374	76187	78729	53719	41336	7259	6497	5334	4514	32769
MEAN	25.0	27.2	367	2458	2812	1733	1378	234	217	172	146	1092
MAX	34	53	1600	4860	7600	3530	4950	671	766	756	482	6300
MIN	22	22	57	339	553	544	243	69	48	41	55	51
CFSM	.05	.05	.74	4.93	5.64	3.47	2.76	.47	.43	.34	.29	2.19
IN.	.06	.06	.85	5.68	5.87	4.00	3.08	.54	.48	.40	.34	2.44
AC-FT	1540	1620	22560	151100	156200	106600	81990	14400	12890	10580	8950	65000

CAL YR 1978	TOTAL	150931	MEAN 414	MAX 7880	MIN 22	CFSM .83	IN 11.25	AC-FT 299400
WTR YR 1979	TOTAL	319308	MEAN 875	MAX 7600	MIN 22	CFSM 1.75	IN 23.80	AC-FT 633300

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.58	4.27	5.68	---	12.34	13.38	9.09	9.43	8.16	4.72	9.64	6.25
2	4.54	4.27	6.37	11.70	12.37	13.01	8.68	8.18	9.42	4.69	7.58	5.90
3	4.52	4.27	6.50	11.82	12.42	12.77	9.42	8.44	10.10	4.66	6.42	5.88
4	4.50	4.27	8.78	12.27	12.56	12.78	11.52	9.82	10.51	4.64	5.90	6.49
5	4.47	4.26	---	13.14	12.72	13.05	12.15	10.02	10.71	4.62	5.61	6.14
6	4.44	4.27	---	13.50	12.93	13.44	12.70	10.26	10.84	4.60	5.42	5.83
7	4.42	4.30	---	13.62	13.11	13.36	13.96	10.52	10.48	4.58	5.30	5.88
8	4.40	4.29	---	13.46	13.44	13.03	13.63	10.59	9.34	4.61	5.73	7.80
9	4.39	4.28	---	13.25	14.01	12.65	13.19	10.08	8.29	4.65	5.69	8.58
10	4.39	4.28	---	13.66	14.12	12.14	12.75	9.01	7.45	4.80	5.64	7.49
11	4.39	4.29	---	13.93	13.67	11.37	12.14	8.13	7.01	5.28	7.69	6.09
12	4.37	4.34	---	13.52	13.27	10.85	11.11	7.31	6.61	5.20	7.44	5.50
13	4.36	4.34	---	13.18	12.89	10.73	10.03	6.76	6.19	4.94	6.50	5.19
14	4.34	4.33	---	12.76	12.41	10.96	9.39	6.43	5.89	6.95	5.82	5.01
15	4.34	4.33	8.90	12.13	11.66	11.08	9.38	6.21	5.64	7.23	5.49	4.89
16	4.33	4.32	---	11.08	10.74	11.15	9.51	---	5.47	6.59	5.27	4.80
17	4.32	4.34	---	9.95	10.07	11.05	9.40	---	5.34	7.12	5.10	4.79
18	4.31	4.34	6.30	9.09	10.68	11.04	9.02	---	5.24	6.24	5.14	4.92
19	4.30	4.34	6.07	8.75	11.27	11.23	8.48	---	5.16	5.61	5.90	4.94
20	4.30	4.38	5.88	11.73	11.47	11.66	7.94	---	5.11	5.27	5.54	10.41
21	4.30	4.38	5.70	13.23	11.79	12.11	8.53	5.54	5.04	5.26	5.31	13.66
22	4.30	4.38	5.60	13.64	12.14	12.48	9.92	5.48	4.99	5.24	5.11	14.36
23	4.29	4.40	---	13.64	12.79	12.70	11.36	5.46	4.94	5.12	4.98	14.21
24	4.28	4.49	---	13.71	13.51	12.64	11.88	5.40	4.92	5.72	4.89	13.66
25	4.28	4.50	---	13.53	13.86	12.55	12.48	5.35	4.89	5.95	4.93	13.23
26	4.28	4.51	5.27	13.23	14.56	12.59	12.97	5.34	4.86	6.73	5.71	12.83
27	4.28	4.58	5.20	12.92	14.68	12.52	12.94	5.32	4.82	9.39	7.50	12.20
28	4.27	4.61	5.16	12.51	13.90	12.35	12.76	5.26	4.79	10.17	8.92	10.71
29	4.27	4.78	5.14	12.17	---	12.00	12.35	5.22	4.76	10.56	9.43	8.63
30	4.27	5.04	---	12.10	---	11.14	11.51	5.55	4.74	10.82	8.41	7.45
31	4.27	---	9.00	12.26	---	10.02	---	6.99	---	10.73	6.72	---
MEAN	4.36	4.39	---	---	12.69	12.06	11.01	---	6.72	6.22	6.28	8.12
MAX	4.58	5.04	---	13.93	14.68	13.44	13.96	10.59	10.84	10.82	9.64	14.36
MIN	4.27	4.26	5.14	8.75	10.07	10.02	7.94	5.22	4.74	4.58	4.89	4.79

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW¼NE¼ sec.7, T.5 S., R.4 W., Allen Parish, Hydrologic UNIT 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi (4.8 km) northwest of Oberlin, and 15 mi (24 km) upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi² (1,950 km²).

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 (12.018 m) National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft (0.76 m) higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--Water-discharge records good. Paper mill at Elizabeth pumps about 11 ft³/s (0.3 m³/s) of water from wells which is later discharged into Mill Creek 20 mi (32 km) upstream from station. This discharge is continuous and fairly constant. Some small diversions from April to September for rice irrigation upstream from station.

AVERAGE DISCHARGE.--43 years (water years 1923-24, 1939-79) 1,139 ft³/s (32.26 m³/s), 20.54 in/yr (522 mm/yr), 825,200 acre-ft/yr (1.02 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft³/s (2,060 m³/s) May 19, 1953, gage height, 26.53 ft (8.086 m); minimum, 30 ft³/s (0.85 m³/s) Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.37 (0.417 m) Oct. 29, 30, Nov. 5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft (6.7 and 7.0 m), present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (230 m³/s) and maximum: Sept. 21 (0815) 27,700 ft³/s (748 m³/s), gage height, 20.70 ft (6.309 m); minimum discharge, 44 ft³/s Oct. 29, 30, Nov. 5, 6, gage height, 1.37 ft (0.417 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	46	63	435	2740	7590	1470	2410	3730	101	735	337
2	75	46	66	770	2210	6570	1140	1940	2110	99	760	264
3	72	46	75	996	2070	5280	922	1380	1040	96	713	213
4	69	45	95	1130	2340	4460	2750	901	812	94	520	177
5	67	44	134	1230	2840	3730	4250	661	725	92	333	158
6	64	47	146	1220	3940	3100	3710	661	770	90	247	166
7	63	48	157	1750	5100	2740	2840	597	776	89	205	164
8	61	48	199	2300	5600	2860	2100	606	786	110	180	153
9	60	45	254	3090	5290	3360	2460	622	783	151	164	143
10	59	46	273	3680	4360	3370	3870	651	688	137	158	184
11	58	46	284	3580	4120	2940	3990	695	512	111	164	244
12	56	45	305	3060	5020	2450	3280	704	383	102	160	248
13	58	45	333	3340	5130	1950	2600	699	306	103	200	187
14	56	45	371	3830	4450	1480	1920	692	263	117	242	145
15	55	47	406	3480	3500	1170	1300	472	233	249	216	123
16	53	48	411	2820	2600	1040	859	339	209	535	214	112
17	52	48	374	2260	2000	1020	655	276	189	347	172	117
18	51	48	310	1720	1500	1040	584	237	173	246	145	416
19	50	48	238	1200	1450	1060	556	208	159	263	131	421
20	49	51	188	2460	1700	1280	660	187	147	247	134	7610
21	50	49	160	3600	2100	1760	1780	171	138	314	223	25100
22	49	49	143	3120	3000	1930	2400	162	127	227	200	18700
23	49	49	132	2720	4000	2170	2890	156	121	198	140	9700
24	48	48	124	3280	5400	2340	2840	150	119	177	123	7110
25	48	49	117	3900	7200	2300	2320	140	119	1520	116	6840
26	48	52	112	4090	7000	2230	1840	132	143	3230	114	5710
27	47	59	108	4460	6530	2090	1600	125	127	3760	111	4410
28	45	64	103	4750	6420	1990	1950	120	115	2930	118	3490
29	45	64	100	4390	---	1920	2610	128	110	1760	162	2790
30	45	62	103	3660	---	1860	2740	1650	105	885	233	2090
31	45	---	114	3450	---	1710	---	5640	---	732	309	---
TOTAL	1724	1477	5998	85771	109610	80790	64886	23512	16018	19112	7642	97522
MEAN	55.6	49.2	193	2767	3915	2606	2163	758	534	617	247	3251
MAX	77	64	411	4750	7200	7590	4250	5640	3730	3760	760	25100
MIN	45	44	63	435	1450	1020	556	120	105	89	111	112
CFSM	.07	.07	.26	3.67	5.20	3.46	2.87	1.01	.71	.82	.33	4.32
IN.	.09	.07	.30	4.24	5.41	3.99	3.21	1.16	.79	.94	.38	4.82
AC-FT	3420	2930	11900	170100	217400	160200	128700	46640	31770	37910	15160	193400

CAL YR 1978	TOTAL	205525	MEAN	563	MAX	8120	MIN	44	CFSM	.75	IN	10.15	AC-FT	407700
WTR YR 1979	TOTAL	514062	MEAN	1408	MAX	25100	MIN	44	CFSM	1.87	IN	25.40	AC-FT	1020000

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.70	1.39	1.61	4.34	11.21	16.65	8.23	10.57	12.93	2.00	5.71	3.80
2	1.68	1.39	1.65	5.98	10.15	16.00	7.17	9.49	9.83	1.98	5.81	3.34
3	1.65	1.39	1.75	6.77	9.84	14.97	6.41	7.95	6.83	1.95	5.62	2.99
4	1.61	1.38	1.95	7.22	10.43	14.08	11.18	6.34	6.01	1.93	4.78	2.71
5	1.59	1.38	2.33	7.52	11.41	13.00	13.80	5.43	5.66	1.91	3.77	2.54
6	1.56	1.41	2.44	7.50	13.31	11.92	12.97	5.44	5.85	1.88	3.23	2.61
7	1.54	1.42	2.53	9.04	14.79	11.22	11.41	5.19	5.88	1.87	2.92	2.59
8	1.52	1.42	2.87	10.49	15.25	11.47	9.88	5.23	5.91	2.09	2.73	2.50
9	1.51	1.39	3.27	12.14	14.98	12.39	10.64	5.29	5.90	2.48	2.59	2.41
10	1.50	1.40	3.40	13.15	13.94	12.41	13.21	5.40	5.51	2.35	2.54	2.75
11	1.49	1.40	3.47	13.00	13.62	11.61	13.42	5.56	4.75	2.11	2.59	3.21
12	1.47	1.39	3.62	12.12	14.71	10.64	12.24	5.60	4.07	2.01	2.56	3.24
13	1.49	1.39	3.79	12.60	14.83	9.51	10.94	5.58	3.62	2.02	2.88	2.78
14	1.47	1.39	4.02	13.40	14.07	8.24	9.43	5.55	3.34	2.17	3.19	2.43
15	1.46	1.41	4.23	12.83	---	7.27	7.67	4.62	3.14	3.15	3.00	2.23
16	1.44	1.42	4.27	11.64	---	6.83	6.18	3.93	2.96	4.87	2.99	2.11
17	1.43	1.43	4.04	10.39	---	6.76	5.38	3.56	2.81	3.85	2.66	2.16
18	1.42	1.44	3.64	8.97	---	6.84	5.09	3.31	2.67	3.23	2.43	4.23
19	1.41	1.44	3.16	7.37	---	6.89	4.98	3.11	2.55	3.34	2.30	4.27
20	1.41	1.47	2.79	10.49	---	7.62	5.39	2.95	2.45	3.22	2.33	12.69
21	1.42	1.45	2.56	12.77	---	9.03	9.04	2.83	2.37	3.65	3.04	20.35
22	1.41	1.45	2.42	11.96	---	9.47	10.54	2.75	2.27	3.09	2.88	19.23
23	1.41	1.44	2.32	11.18	---	10.06	11.53	2.70	2.20	2.88	2.39	17.32
24	1.40	1.44	2.24	12.22	---	10.42	11.42	2.64	2.19	2.71	2.23	16.23
25	1.40	1.45	2.17	13.29	---	10.34	10.37	2.56	2.19	8.04	2.15	16.09
26	1.40	1.48	2.13	13.57	---	10.20	9.24	2.48	2.41	12.09	2.14	15.29
27	1.39	1.56	2.09	14.09	15.98	9.87	8.60	2.42	2.26	13.03	2.10	13.95
28	1.38	1.61	2.04	14.43	15.89	9.62	9.51	2.37	2.15	11.57	2.17	12.57
29	1.38	1.62	2.02	13.98	---	9.46	10.96	2.44	2.09	8.94	2.58	11.29
30	1.38	1.60	2.04	12.89	---	9.30	11.23	7.12	2.04	6.28	3.13	9.78
31	1.38	---	2.14	12.53	---	8.92	---	15.23	---	5.70	3.63	---
MEAN	1.47	1.44	2.74	10.96	---	10.42	9.60	5.02	4.16	4.14	3.07	7.32
MAX	1.70	1.62	4.27	14.43	---	16.65	13.80	15.23	12.93	13.03	5.81	20.35
MIN	1.38	1.38	1.61	4.34	9.84	6.76	4.98	2.37	2.04	1.87	2.10	2.11

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 since October 1975.

REMARKS.--Water-quality monitor is temporarily out of operation due to bridge construction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, U.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 17...	1645	278	7.5	19.0	100	10	10.0	1.4	K10	K8000	22
NOV 28...	1415	261	6.9	15.0	80	5	9.4	--	110	620	23
DEC 05...	1515	232	6.9	13.0	80	10	9.7	3.1	2200	560	18
JAN 08...	1445	47	6.0	8.0	80	25	10.4	3.1	780	2000	10
FEB 08...	1315	31	6.4	7.0	80	15	10.1	2.2	340	640	7
MAR 05...	1700	31	6.0	17.0	60	20	9.2	2.1	K60	K80	7
APR 05...	1050	37	6.0	17.0	120	30	6.8	2.7	K2000	K2200	9
MAY 17...	1030	74	6.4	23.5	70	20	6.8	3.6	K50	K150	15
JUN 07...	0915	43	5.8	24.5	80	30	7.5	3.6	K40	1000	9
JUL 12...	1500	128	6.7	29.0	60	15	7.2	.7	110	860	13
AUG 09...	0900	64	6.6	28.0	40	10	6.4	3.4	K30	--	16
SEP 07...	0930	127	6.5	26.5	120	20	6.5	.7	--	440	13

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)
OCT 17...	0	6.2	1.5	52	82	4.9	3.1	85	0	70
NOV 28...	0	6.9	1.3	41	77	3.8	3.0	60	0	49
DEC 05...	0	5.4	1.2	37	78	3.8	3.2	62	0	51
JAN 08...	2	2.6	.8	4.0	43	.6	1.3	9	0	7
FEB 08...	4	1.9	.6	3.1	45	.5	.9	4	0	3
MAR 05...	2	1.8	.6	3.1	46	.5	.8	6	0	5
APR 05...	2	2.5	.6	3.5	43	.5	1.1	8	0	7
MAY 17...	0	3.6	1.5	8.2	51	.9	1.5	19	0	16
JUN 07...	1	2.7	.5	5.2	53	.8	1.0	9	0	7
JUL 12...	0	3.5	1.1	21	74	2.5	1.9	34	0	28
AUG 09...	0	5.0	.9	23	73	2.5	2.0	40	0	33
SEP 07...	0	3.8	.9	20	73	2.4	2.1	35	0	29

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

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, 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)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 17...	51	9.7	.1	20	213	192	.29	.15	.65	.80	3.5	.07
NOV 28...	47	9.4	.0	28	190	166	.26	.11	1.0	1.1	4.9	.10
DEC 05...	41	9.3	.0	25	167	153	.23	.08	.46	.54	2.4	.09
JAN 08...	7.0	4.0	.0	6.2	47	30	.06	.09	.88	.97	4.3	.05
FEB 08...	6.1	3.0	.0	5.2	40	23	.05	.94	2.8	3.7	17	.13
MAR 05...	6.0	3.1	.0	5.9	44	24	.06	.02	.53	.55	2.4	.02
APR 05...	6.9	2.9	.1	4.8	41	27	.06	.09	.65	.74	3.3	.04
MAY 17...	8.2	5.6	.1	13	72	51	.10	.17	1.4	1.6	7.0	.03
JUN 07...	10	3.7	.0	7.5	42	35	.06	.11	.77	.88	3.9	.05
JUL 12...	18	8.1	.1	19	96	90	.13	.13	.36	.49	2.2	.25
AUG 09...	23	7.0	.1	18	112	99	.15	.22	.62	.84	3.7	.07
SEP 07...	20	4.8	.1	18	110	87	.15	.23	1.5	1.7	7.7	.05

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 17...	1	3	0	0	2	0	3	0	440	7400	0
FEB 08...	0	--	1	--	--	0	5	--	170	--	1
APR 05...	1	--	1	--	--	0	6	--	220	--	0
JUL 12...	1	--	1	--	--	0	4	--	320	--	3

DATE	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 17...	0	110	5	.0	.00	10	0	14	.00	5
FEB 08...	--	40	--	.1	--	10	--	--	--	--
APR 05...	--	50	--	.1	--	6	--	17	--	--
JUL 12...	--	120	--	.1	--	10	--	--	--	--

CALCASIEU RIVER BASIN

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08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCH, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDF, TOTAL (UG/L)	DDI, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
APR 05...	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MIREX, TOTAL (UG/L)	IOX- APHENE, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 05...	.00	.00	.00	.00	0	.01	.02	.00

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	32	28	30	24						
2	---	---	41	32	46	29						
3	---	---	55	39	59	45						
4	---	---	68	52	54	48						
5	---	---	257	80	58	44						
6	---	---	156	71	---	---						
7	---	---	70	59	---	---						
8	---	---	56	47	---	---						
9	---	---	52	46	---	---						
10	---	---	54	49	---	---						
11	---	---	56	50	---	---						
12	40	34	53	53	---	---						
13	47	39	136	55	---	---						
14	59	47	120	69	---	---						
15	70	59	73	66	---	---						
16	82	66	76	65	---	---						
17	86	82	89	72	---	---						
18	86	83	103	84	---	---						
19	87	84	---	---	---	---						
20	205	86	---	---	---	---						
21	134	55	---	---	---	---						
22	58	48	---	---	---	---						
23	50	46	165	149	---	---						
24	49	46	175	159	---	---						
25	47	41	175	166	---	---						
26	43	39	177	163	---	---						
27	43	41	181	167	---	---						
28	45	39	192	171	---	---						
29	44	31	255	178	---	---						
30	31	29	284	18	---	---						
31	---	---	24	17	---	---						

CALCASIEU RIVER BASIN

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	18.5	17.5	22.0	21.0						
2	---	---	19.0	18.0	23.0	21.5						
3	---	---	19.5	18.5	23.5	22.5						
4	---	---	20.0	19.5	24.5	23.0						
5	---	---	21.0	19.0	25.0	23.5						
6	---	---	21.5	19.0	---	---						
7	---	---	22.0	20.0	---	---						
8	---	---	22.5	20.5	---	---						
9	---	---	23.0	21.0	---	---						
10	---	---	23.5	21.5	---	---						
11	---	---	24.0	22.5	---	---						
12	19.5	19.0	23.0	22.0	---	---						
13	20.5	19.0	23.0	21.0	---	---						
14	21.0	19.5	22.5	20.5	---	---						
15	21.0	19.5	23.0	20.0	---	---						
16	21.5	19.5	24.0	21.0	---	---						
17	21.0	19.5	25.0	21.5	---	---						
18	21.0	20.0	25.0	22.0	---	---						
19	21.0	20.0	---	---	---	---						
20	20.0	19.0	---	---	---	---						
21	19.5	19.0	---	---	---	---						
22	19.5	19.0	---	---	---	---						
23	20.0	19.0	25.5	22.5	---	---						
24	20.0	19.5	26.0	22.5	---	---						
25	20.5	19.5	25.5	22.0	---	---						
26	20.0	19.5	25.5	21.0	---	---						
27	20.0	19.0	25.5	22.0	---	---						
28	19.5	19.0	26.5	22.5	---	---						
29	19.0	18.0	24.5	23.0	---	---						
30	18.5	17.5	22.5	19.5	---	---						
31	---	---	21.0	19.5	---	---						

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE¼NE¼ sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi (1.6 km) downstream from Tenmile Creek, 8.0 mi (12.9 km) upstream from Bundick Creek, and 10 mi (16 km) northwest of Oberlin.

DRAINAGE AREA.--510 mi² (1,321 km²).

PERIOD OF RECORD.--January 1939 to current year. Prior to October 1963 published as Whiskey Chitto Creek near Oberlin.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft (14.094 m) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 807 ft³/s (22.85 m³/s), 21.49 in/yr (546 mm/yr), 584,700 acre-ft/yr (721 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft³/s (4,080 m³/s) May 18, 1953, (gage height, 32.8 ft or 10.00 m, from floodmark), from rating curve extended above 35,000 ft³/s (990 m³/s) on basis of slope-area measurement of peak flow; minimum, 88 ft³/s (2.49 m³/s) Oct. 19, 20, 1956; minimum gage height, 2.48 ft (0.756 m) Aug. 17, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft (7.83 m), from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak Discharges above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Jan. 23	1830	5560	157	15.31	4.666	Apr. 23	1645	4680	133	14.25	4.343
Feb. 7	2200	3700	105	12.84	3.914	May 31	1330	5000	142	14.65	4.465
Feb. 27	1600	4550	129	14.09	4.295	July 28	1215	7570	214	17.30	5.273
Mar. 7	0630	3180	90.0	11.95	3.642	Sept. 22	0330	*19300	547	*21.31	6.495
Apr. 4	2030	3210	90.9	12.02	3.664						

Minimum discharge, 125 ft³/s (3.54 m³/s) Nov. 2, 3, 4, 5, 6, gage height, 2.52 ft (0.768 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	149	129	392	1180	1460	2020	563	612	4280	235	948	350		
2	149	126	497	2080	1520	1090	547	567	3530	230	695	500		
3	149	125	359	2030	1180	1500	800	521	2960	225	585	700		
4	147	125	296	2030	1200	2270	2840	512	2090	222	530	500		
5	145	125	353	1770	1520	2470	3050	705	1080	218	500	400		
6	144	130	588	919	2640	2890	2720	919	778	214	428	350		
7	142	132	519	1660	3590	3030	2550	861	753	213	385	320		
8	140	130	376	2540	3600	1680	1730	608	728	234	375	300		
9	139	132	355	2480	3400	982	953	505	600	270	342	285		
10	139	142	644	2450	3300	845	747	453	515	253	330	280		
11	138	144	741	1960	2400	773	680	417	455	313	320	350		
12	137	139	517	1000	1190	874	621	392	415	426	412	600		
13	136	136	364	681	881	1040	598	370	385	350	409	800		
14	134	134	298	586	784	852	619	351	361	318	381	600		
15	133	134	265	530	722	710	682	339	341	1940	348	450		
16	133	133	244	485	676	649	586	326	325	1070	380	350		
17	132	134	228	447	631	615	504	310	311	907	316	270		
18	131	133	218	426	831	788	457	297	301	649	390	250		
19	131	136	212	424	1780	849	428	285	292	467	372	240		
20	131	141	205	1250	1920	882	533	276	283	451	437	1000		
21	130	143	197	2480	1750	1590	1570	268	276	462	612	16000		
22	130	142	193	3270	1400	1920	2710	266	270	609	343	16200		
23	129	155	191	5170	2050	2260	4260	270	266	604	305	9670		
24	128	171	187	5110	3580	2390	3950	274	263	591	281	6790		
25	128	158	180	3010	4230	2200	3130	305	261	1230	282	3700		
26	128	155	176	1270	3970	1490	2120	292	279	3240	270	1190		
27	128	160	175	1720	4490	908	1350	266	255	6040	260	848		
28	129	157	174	1830	4020	751	894	251	253	7420	255	705		
29	130	269	173	1710	---	677	856	250	256	7240	250	622		
30	132	314	182	1330	---	626	703	1400	244	5610	245	566		
31	131	---	201	1170	---	591	---	4850	---	2700	240	---		
TOTAL	4202	4484	9700	54998	60715	42212	43751	18318	23406	44951	12226	65186		
MEAN	136	149	313	1774	2168	1362	1458	591	780	1450	394	2173		
MAX	149	314	741	5170	4490	3030	4260	4850	4280	7420	948	16200		
MIN	128	125	173	424	631	591	428	250	244	213	240	240		
CFSM	.27	.29	.61	3.48	4.25	2.67	2.86	1.16	1.53	2.84	.77	4.26		
IN.	.31	.33	.71	4.01	4.43	3.08	3.19	1.34	1.71	3.28	.89	4.75		
AC-FT	8330	8890	19240	109100	120400	83730	86780	36330	46430	89160	24250	129300		
CAL YR 1978	TOTAL	178615	MEAN	489	MAX	8530	MIN	125	CFSM	.96	IN	13.02	AC-FT	354300
WTR YR 1979	TOTAL	384149	MEAN	1052	MAX	16200	MIN	125	CFSM	2.06	IN	28.02	AC-FT	762000

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	2.54	3.81	6.61	7.67	9.20	4.52	4.72	13.66	3.08	6.00	---
2	2.66	2.53	4.23	9.45	7.85	6.47	4.46	4.54	12.53	3.05	5.14	---
3	2.68	2.52	3.68	9.30	6.76	7.74	5.38	4.36	11.50	3.03	4.71	---
4	2.66	2.52	3.43	9.29	6.82	9.92	11.21	4.32	9.43	3.01	4.48	---
5	2.65	2.52	3.66	8.56	7.83	10.43	11.69	5.08	6.34	2.99	4.37	---
6	2.65	2.55	4.60	5.86	10.77	11.36	11.02	5.86	5.26	2.97	4.07	---
7	2.63	2.56	4.33	8.15	12.63	11.65	10.63	5.65	5.17	2.97	3.90	---
8	2.62	2.55	3.75	10.61	12.65	8.25	8.44	4.70	5.07	3.07	3.86	---
9	2.61	2.56	3.67	10.48	12.33	6.08	5.98	4.29	4.57	3.24	3.73	---
10	2.61	2.63	4.83	10.40	12.17	5.60	5.25	4.08	4.23	3.16	3.69	---
11	2.60	2.64	5.21	9.09	10.17	5.34	4.99	3.94	3.99	3.42	3.64	---
12	2.60	2.61	4.33	6.13	6.78	5.70	4.76	3.84	3.83	3.87	4.01	---
13	2.59	2.59	3.72	4.99	5.72	6.28	4.66	3.75	3.71	3.57	3.94	---
14	2.58	2.58	3.46	4.62	5.38	5.62	4.75	3.68	3.62	3.44	3.88	---
15	2.57	2.58	3.31	4.39	5.15	5.11	5.00	3.63	3.54	8.98	3.76	---
16	2.57	2.57	3.22	4.21	4.97	4.87	4.62	3.58	3.47	6.31	3.88	---
17	2.57	2.58	3.14	4.06	4.80	4.73	4.29	3.51	3.42	5.73	3.63	---
18	2.56	2.57	3.09	3.97	5.52	5.39	4.10	3.46	3.38	4.76	3.92	---
19	2.56	2.59	3.06	3.97	8.60	5.61	3.98	3.41	3.34	4.04	3.85	---
20	2.56	2.62	3.02	6.87	9.00	5.72	4.40	3.37	3.30	3.98	4.10	---
21	2.56	2.64	2.98	10.46	8.51	8.04	7.94	3.33	3.27	4.02	4.80	---
22	2.55	2.63	2.96	12.04	7.49	9.00	10.96	3.32	3.24	4.61	3.73	20.69
23	2.55	2.72	2.95	14.83	9.34	9.92	13.62	3.34	3.22	4.59	3.58	18.54
24	2.54	2.82	2.93	14.76	12.57	10.24	13.18	3.36	3.21	4.54	3.48	16.55
25	2.54	2.74	2.90	11.36	13.62	9.75	11.83	3.49	3.20	6.76	3.49	12.50
26	2.54	2.72	2.88	7.05	13.22	7.72	9.51	3.44	3.28	11.88	---	6.82
27	2.54	2.75	2.87	8.42	13.97	5.82	7.31	3.32	3.17	15.78	---	5.68
28	2.55	2.73	2.86	8.74	13.29	5.26	5.77	3.25	3.16	17.15	---	5.18
29	2.55	3.29	2.86	8.40	---	4.98	5.64	3.25	3.17	16.98	---	4.85
30	2.57	3.50	2.90	7.25	---	4.78	5.08	6.70	3.12	15.37	---	4.63
31	2.56	---	3.01	6.73	---	4.63	---	14.44	---	10.99	---	---
MEAN	2.59	2.67	3.47	8.10	9.13	7.14	7.17	4.36	4.85	6.17	---	---
MAX	2.68	3.50	5.21	14.83	13.97	11.65	13.62	14.44	13.66	17.15	6.00	20.69
MIN	2.54	2.52	2.86	3.97	4.80	4.63	3.98	3.25	3.12	2.97	---	---

08014800 BUNDICK CREEK NEAR DE RIDDER, LA

LOCATION.--Lat 30°49'09", long 93°13'51", in SE¼NW¼ sec.7, T.3 S., R.8 W., Beauregard Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.1 mi (1.8 km) downstream from Flat Creek, and 3.8 mi (6.1 km) southeast of De Ridder.

DRAINAGE AREA.--120 mi² (311 km²).

PERIOD OF RECORD.--March 1956 to September 1979 (discontinued).

REVISED RECORD.--WSP 2122: 1957-58, 1961-62, 1964(M).

GAGE.--Water-stage recorder. Datum of gage is 113.75 ft (34.671 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years, 164 ft³/s (4.644 m³/s), 18.56 in/yr (471 mm/yr), 118,800 acre-ft/yr (146 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,200 ft³/s (487 m³/s) Mar. 25, 1973, gage height, 21.71 ft (6.617 m); minimum, 8.8 ft³/s (0.25 m³/s) Oct. 16, 1956; minimum gage height, 1.85 ft (0.564 m) Oct. 11, 12, 18, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft³/s (25 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 2	1615	993 28.1	13.71 4.179	Mar. 21	1815	959 27.2	13.44 4.096
Jan. 8	0630	1220 34.6	15.04 4.584	Apr. 5	0200	1190 33.7	14.91 4.544
Jan. 20	1715	3420 96.8	17.30 5.273	May 31	0830	3780 107	17.56 5.352
Feb. 7	2115	1150 32.6	14.67 4.471	July 26	2215	4580 130	18.09 5.514
Feb. 25	0915	1260 35.7	15.15 4.618	Sept. 20	2045	*5900 167	*18.85 5.745
Mar. 3	2000	3490 98.8	17.35 5.288				

Minimum discharge, 13 ft³/s (0.37 m³/s) Oct. 11, 12, 17, 18, 21, 22, 24; minimum gage height, 1.85 ft (0.564 m) Oct. 11, 12, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	16	158	671	451	138	89	84	1550	25	69	27
2	17	16	92	961	244	155	96	73	757	22	59	28
3	16	16	53	827	178	2020	340	71	423	20	53	34
4	18	15	101	340	309	2250	963	98	300	19	51	31
5	16	15	158	114	427	900	1090	285	178	20	45	28
6	15	17	135	180	796	334	616	263	244	19	39	75
7	14	21	87	852	1080	170	183	116	190	18	35	119
8	14	20	182	1160	1030	141	128	77	123	42	32	107
9	14	22	376	817	582	126	113	64	85	48	30	41
10	14	20	240	244	201	119	103	57	62	231	31	28
11	14	19	113	119	143	159	93	52	50	118	39	23
12	14	18	60	97	125	205	93	48	43	93	36	22
13	14	18	47	85	115	163	130	46	39	43	32	21
14	14	18	42	77	110	118	156	45	36	145	106	19
15	14	18	39	68	105	101	109	42	33	750	175	18
16	14	19	37	62	97	98	77	40	31	455	86	18
17	14	20	37	60	102	126	64	38	29	235	50	26
18	13	20	36	61	485	158	59	35	28	153	36	383
19	14	22	33	201	695	124	59	34	27	77	30	408
20	14	30	32	2320	466	501	305	33	26	49	32	2780
21	14	29	32	2600	245	913	776	31	25	371	29	3810
22	14	31	31	1060	308	898	835	39	25	565	27	1180
23	14	29	29	418	606	817	649	47	24	475	26	459
24	14	25	28	166	936	618	458	48	23	105	50	133
25	14	24	27	140	1200	291	207	44	23	270	67	95
26	16	26	26	173	867	150	119	36	118	2380	89	78
27	21	59	25	509	316	121	97	31	147	3470	55	68
28	19	73	25	462	166	108	88	29	52	1300	38	62
29	20	126	26	262	---	100	82	49	37	559	32	57
30	17	179	52	167	---	94	87	683	29	131	35	53
31	16	---	284	384	---	89	---	3180	---	83	34	---
TOTAL	474	981	2643	15657	12385	12305	8264	5818	4757	12291	1548	10231
MEAN	15.3	32.7	85.3	505	442	397	275	188	159	396	49.9	341
MAX	21	179	376	2600	1200	2250	1090	3180	1550	3470	175	3810
MIN	13	15	25	60	97	89	59	29	23	18	26	18
CFSM	.13	.27	.71	4.21	3.68	3.31	2.29	1.57	1.33	3.30	.42	2.84
IN.	.15	.30	.82	4.85	3.84	3.81	2.56	1.80	1.47	3.81	.48	3.17
AC-FT	940	1950	5240	31060	24570	24410	16390	11540	9440	24380	3070	20290

CAL YR 1978	TOTAL	46425	MEAN 127	MAX 5000	MIN 12	CFSM 1.06	IN 14.39	AC-FT	92080
WTR YR 1979	TOTAL	87354	MEAN 239	MAX 3810	MIN 13	CFSM 1.99	IN 27.08	AC-FT	173300

CALCASIEU RIVER BASIN

08014800 BUNDICK CREEK NEAR DE RIDDER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	1.95	4.67	10.69	8.35	4.40	3.61	3.51	15.28	2.41	3.40	2.56
2	1.93	1.96	3.60	13.45	5.82	4.61	3.73	3.33	11.54	2.34	3.23	2.57
3	1.92	1.96	2.86	12.23	4.95	14.50	6.92	3.30	8.03	2.29	3.12	2.70
4	1.95	1.95	3.76	6.96	6.64	16.26	13.33	3.75	6.51	2.26	3.08	2.64
5	1.92	1.94	4.67	4.03	8.04	12.81	14.28	6.34	4.97	2.27	2.94	2.59
6	1.90	2.01	4.32	4.92	11.94	6.92	10.07	6.08	5.85	2.25	2.81	3.44
7	1.88	2.13	3.53	12.35	14.24	4.86	5.03	4.05	5.12	2.22	2.72	4.17
8	1.88	2.10	4.91	14.72	13.89	4.44	4.24	3.40	4.19	2.71	2.66	3.98
9	1.87	2.15	7.45	12.11	9.72	4.21	4.01	3.17	3.59	2.91	2.62	2.85
10	1.86	2.11	5.77	5.79	5.27	4.09	3.85	3.03	3.21	5.65	2.64	2.57
11	1.86	2.06	3.99	4.10	4.47	4.70	3.68	2.93	2.97	4.12	2.82	2.47
12	1.86	2.04	3.10	3.75	4.19	5.33	3.68	2.85	2.81	3.71	2.75	2.42
13	1.88	2.03	2.83	3.54	4.04	4.75	4.28	2.80	2.71	2.80	2.67	2.39
14	1.88	2.03	2.70	3.39	3.96	4.09	4.66	2.77	2.64	4.28	3.77	2.36
15	1.88	2.05	2.63	3.25	3.87	3.82	3.94	2.71	2.59	11.52	4.93	2.33
16	1.87	2.08	2.58	3.13	3.74	3.76	3.40	2.65	2.54	8.33	3.68	2.30
17	1.87	2.09	2.58	3.09	3.81	4.21	3.18	2.60	2.51	5.74	3.05	2.50
18	1.86	2.10	2.55	3.10	8.68	4.69	3.07	2.55	2.48	4.62	2.74	7.52
19	1.87	2.14	2.51	5.03	10.98	4.18	3.08	2.52	2.45	3.46	2.63	7.83
20	1.87	2.35	2.48	15.71	8.50	8.80	6.45	2.50	2.44	2.95	2.67	14.88
21	1.88	2.33	2.48	16.64	5.86	13.03	11.77	2.47	2.42	7.26	2.61	17.52
22	1.88	2.38	2.47	13.89	6.61	12.91	12.33	2.63	2.40	9.64	2.56	14.33
23	1.88	2.33	2.42	7.88	10.06	12.16	10.51	2.83	2.38	8.56	2.53	8.31
24	1.88	2.23	2.39	4.80	13.19	10.16	8.43	2.84	2.36	3.94	3.01	4.31
25	1.89	2.20	2.37	4.43	14.92	6.40	5.34	2.75	2.36	6.09	3.36	3.72
26	1.94	2.25	2.34	4.85	12.53	4.57	4.10	2.57	3.99	15.18	3.71	3.42
27	2.07	3.00	2.33	9.01	6.71	4.13	3.75	2.47	4.48	17.31	3.14	3.24
28	2.03	3.27	2.32	8.47	4.81	3.94	3.59	2.42	2.99	14.76	2.80	3.13
29	2.04	4.15	2.34	6.04	---	3.79	3.49	2.83	2.67	9.42	2.67	3.03
30	1.98	4.98	2.89	4.80	---	3.70	3.58	9.67	2.50	4.34	2.73	2.95
31	1.96	---	6.30	7.55	---	3.62	---	17.11	---	3.63	2.70	---
MEAN	1.91	2.35	3.36	7.54	7.85	6.58	5.85	3.79	4.10	5.77	2.99	4.70
MAX	2.07	4.98	7.45	16.64	14.92	16.26	14.28	17.11	15.28	17.31	4.93	17.52
MIN	1.86	1.94	2.32	3.09	3.74	3.62	3.07	2.42	2.36	2.22	2.53	2.30

CALCASIEU RIVER BASIN

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08015500 CALCASIEU RIVER NEAR KINDER, LA

LOCATION.--Lat 30°30'10", long 92°54'55", in NW¼SE¼ sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, on left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi (0.8 km) downstream from Whisky Chitto Creek, and 4.0 mi (6.4 km) west of Kinder.

DRAINAGE AREA.--1,700 mi² (4,403 km²).

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 (3.642 m) National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft (122 m) downstream at datum 1.77 ft (0.539 m) higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 ft³/s (0.3 m³/s) from wells which is later discharged into Mill Creek 36 mi (58 km) above station. This discharge is continuous and fairly constant. Water is diverted during period April to September at points just above station and 5.0 mi (8.0 km) above station for the irrigation of about 7,500 acres (30 km²) of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s (2.8 m³/s) and this diversion results in marked regulation of the low-water flow. Records of water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--39 years (water years 1923-24, 1939-57, 1962-79), 2,556 ft³/s (72.39 m³/s), 1,852,000 acre-ft/yr (2.28 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft³/s (5,150 m³/s) May 19, 1953, gage height, 32.00 ft (9.754 m); minimum, 136 ft³/s (3.85 m³/s) Aug. 15, 1956; minimum gage height, 1.69 ft (0.515 m) Nov. 4, 5, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,800 ft³/s (1,325 m³/s) Sept. 22, gage height, 21.59 ft (6.581 m); minimum, 224 ft³/s (6.34 m³/s) Nov. 4, 5, gage height, 1.69 ft (0.515 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	228	568	1300	6120	11900	2570	3390	19500	517	6280	749
2	296	226	736	3000	5330	10600	2320	3210	16200	498	3340	769
3	280	226	768	3480	4760	9290	2270	2670	11200	477	2320	714
4	271	224	701	3650	4710	8820	5710	2070	8150	461	1740	657
5	271	224	715	3780	5620	8230	8730	1710	6130	448	1260	651
6	277	271	834	3620	7590	7600	9200	1760	3930	444	1130	617
7	274	280	970	3690	9720	7400	8060	1870	2910	437	965	781
8	268	289	914	5300	11500	7270	6810	1710	2300	474	844	710
9	265	289	918	5760	11400	5650	4890	1520	2010	615	779	621
10	262	283	1040	6110	10500	4920	4320	1410	1760	627	741	600
11	259	289	1290	6480	9500	4570	4630	1360	1810	565	699	616
12	259	289	1290	6260	7910	4160	4800	1440	1310	616	696	632
13	259	289	1080	4940	6450	3770	4390	1340	1040	694	745	592
14	259	286	960	4260	6090	3310	3700	1300	914	660	773	527
15	259	286	928	4210	5600	2680	2880	1160	831	1230	820	476
16	253	292	894	4080	4800	2270	2170	971	749	3000	773	444
17	250	289	862	3620	4010	2080	1690	863	689	2480	769	461
18	250	292	785	2920	3400	2040	1450	780	663	2050	708	718
19	250	301	684	2360	3570	2210	1340	737	636	1630	732	1260
20	245	320	589	4800	4170	2920	2070	691	615	1370	652	8330
21	240	317	519	7140	4360	4320	4620	660	596	1680	1050	33000
22	240	320	484	7620	4320	4890	6100	649	580	1650	1040	45800
23	238	317	449	7780	6170	5590	6870	651	564	1570	724	40600
24	238	334	432	8380	10800	6180	7740	641	561	1480	652	25800
25	238	346	414	9380	13700	6270	7710	637	546	2850	592	17300
26	235	346	397	8900	15300	5940	6640	628	556	6680	577	13000
27	235	368	384	6760	14000	4930	4620	595	566	13700	613	7990
28	230	381	378	6700	12700	3850	3760	567	540	17200	637	5880
29	230	404	371	6860	---	3270	3380	582	529	15100	640	4580
30	230	530	384	6800	---	2980	3570	1910	542	12100	662	3680
31	228	---	424	6680	---	2790	---	12000	---	9330	699	---
TOTAL	7890	9136	22162	166620	214100	162700	139010	51482	88927	102633	34652	218555
MEAN	255	305	715	5375	7646	5248	4634	1661	2964	3311	1118	7285
MAX	301	530	1290	9380	15300	11900	9200	12000	19500	17200	6280	45800
MIN	228	224	371	1300	3400	2040	1340	567	529	437	577	444
AC-FT	15650	18120	43960	330500	424700	322700	275700	102100	176400	203600	68730	433500
CAL YR 1978	TOTAL	506004	MEAN	1386	MAX	20700	MIN	224	AC-FT	1004000		
WTR YR 1979	TOTAL	1217867	MEAN	3337	MAX	45800	MIN	224	AC-FT	2416000		

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.08	1.72	2.65	4.89	13.35	16.07	8.44	9.90	17.97	3.09	13.91	3.83
2	2.06	1.71	3.13	9.10	12.56	15.61	7.92	9.60	17.22	3.03	10.63	3.88
3	2.00	1.71	3.22	10.04	11.91	15.13	7.77	8.64	15.90	2.96	7.89	3.73
4	1.97	1.69	3.02	10.33	11.84	14.94	11.80	7.30	14.73	2.90	6.48	3.56
5	1.97	1.69	3.06	10.54	12.52	14.68	14.71	6.39	13.72	2.86	5.26	3.54
6	1.98	1.85	3.40	10.26	14.03	14.40	15.23	6.53	11.54	2.85	4.92	3.42
7	1.97	1.87	3.80	10.36	15.41	14.30	14.68	6.79	9.07	2.82	4.44	3.92
8	1.95	1.90	3.63	12.12	16.00	14.23	13.92	6.39	7.86	2.95	4.10	3.71
9	1.93	1.90	3.66	13.01	15.96	13.24	12.53	5.91	7.15	3.41	3.91	3.44
10	1.92	1.87	4.04	13.34	15.71	12.07	11.31	5.64	6.53	3.45	3.80	3.37
11	1.91	1.89	4.83	13.67	15.35	11.62	11.73	5.52	6.64	3.25	3.68	3.42
12	1.90	1.89	4.83	13.47	14.59	11.07	11.95	5.73	5.39	3.42	3.68	3.47
13	1.90	1.88	4.25	12.11	13.64	10.48	11.42	5.48	4.65	3.67	3.81	3.34
14	1.90	1.87	3.96	11.23	13.33	9.69	10.40	5.38	4.30	3.57	3.89	3.12
15	1.89	1.87	3.87	11.16	12.84	8.45	9.02	5.00	4.06	5.10	4.03	2.95
16	1.87	1.88	3.77	10.97	11.95	7.54	7.54	4.46	3.83	9.24	3.89	2.85
17	1.86	1.87	3.68	10.28	10.87	7.09	6.34	4.15	3.65	8.25	3.88	2.90
18	1.85	1.88	3.46	9.17	9.92	6.97	5.76	3.91	3.58	7.24	3.71	3.72
19	1.84	1.89	3.17	7.75	10.20	7.40	5.48	3.79	3.49	6.19	3.78	5.26
20	1.83	1.96	2.90	10.69	11.10	8.92	7.23	3.66	3.42	5.54	3.54	11.73
21	1.81	1.95	2.70	13.78	11.38	10.87	11.04	3.57	3.35	6.33	4.67	19.31
22	1.81	1.95	2.60	14.48	11.33	12.03	12.99	3.53	3.30	6.24	4.67	21.47
23	1.80	1.94	2.50	14.54	12.76	12.80	13.97	3.54	3.25	6.05	3.75	20.87
24	1.79	1.99	2.45	14.85	15.37	13.33	14.52	3.50	3.24	5.82	3.54	18.98
25	1.79	2.02	2.40	15.31	16.60	13.42	14.50	3.49	3.19	8.46	3.34	17.49
26	1.77	2.02	2.35	15.08	17.03	13.13	13.79	3.46	3.22	12.97	3.29	16.41
27	1.77	2.09	2.31	13.88	16.68	12.06	12.32	3.35	3.25	16.05	3.41	14.87
28	1.74	2.12	2.29	13.85	16.34	10.64	10.49	3.26	3.17	17.47	3.49	13.51
29	1.74	2.19	2.27	13.97	---	9.69	9.89	3.31	3.13	16.95	3.50	12.10
30	1.73	2.55	2.31	13.92	---	9.21	10.20	6.46	3.17	16.17	3.57	10.72
31	1.73	---	2.43	13.83	---	8.88	---	15.06	---	15.26	3.68	---
MEAN	1.87	1.92	3.19	12.00	13.59	11.61	10.96	5.57	6.57	6.89	4.65	8.16
MAX	2.08	2.55	4.83	15.31	17.03	16.07	15.23	15.06	17.97	17.47	13.91	21.47
MIN	1.73	1.69	2.27	4.89	9.92	6.97	5.48	3.26	3.13	2.82	3.29	2.85

CALCASIEU RIVER BASIN

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08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1979.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1979 to September 1979.

WATER TEMPERATURES: June 1979 to September 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sep. 21, 1979.

WATER TEMPERATURES: Maximum daily, 30.0°C June 24, 29, 30, 1979; minimum daily, 23.0°C Sep. 21, 25, 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.1 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
17...	1500	247	95	7.0	19.0	20	7	9.4	2.0	K50	K24000
NOV											
28...	1545	348	70	6.3	15.0	10	4	9.9	--	K88	100
DEC											
05...	1345	708	56	6.2	13.5	40	15	10.4	2.9	500	K3400
JAN											
08...	1600	5190	43	6.0	8.0	80	30	10.0	2.8	K1600	7400
FEB											
08...	1415	11700	30	6.0	10.0	80	20	9.8	1.5	330	900
MAR											
05...	1530	7930	35	6.3	17.0	60	25	10.0	3.7	460	160
APR											
05...	1200	8300	28	5.3	17.0	80	35	7.4	2.2	K3200	K3800
MAY											
17...	1200	862	60	6.4	23.5	60	15	8.1	2.8	K10	210
JUN											
07...	1015	2950	39	5.8	25.0	60	25	6.3	3.4	K110	2100
JUL											
12...	1330	622	64	6.4	28.0	30	10	7.8	.7	K84	140
AUG											
09...	1030	789	64	6.6	27.0	80	20	7.0	2.7	K20	--
SEP											
07...	1015	810	78	6.3	27.0	70	15	7.3	--	--	K120

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

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM- DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (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 17...	3.2	1.2	14	1.6	31	0	25	7.8	7.7	.1	30
NOV 28...	2.5	.9	8.2	1.8	20	0	16	5.1	6.7	.0	24
DEC 05...	1.8	1.0	7.2	1.8	13	0	11	4.9	8.0	.0	15
JAN 08...	1.9	.7	4.3	1.5	9	0	7	6.4	4.3	.0	5.6
FEB 08...	1.6	.5	2.7	1.1	4	0	3	5.4	3.4	.0	5.4
MAR 05...	2.7	.6	3.4	.9	8	0	7	4.1	3.5	.1	6.2
APR 05...	1.9	.5	2.5	1.1	6	0	5	4.1	2.9	.1	4.9
MAY 17...	1.9	1.1	6.9	1.5	17	0	14	5.5	6.0	.1	19
JUN 07...	2.5	.7	4.6	1.3	6	0	5	10	4.1	.1	8.8
JUL 12...	2.6	.9	9.4	1.7	19	0	16	7.2	6.5	.1	23
AUG 09...	3.6	.5	7.5	1.4	20	0	16	6.0	3.2	.1	20
SEP 07...	2.8	.8	11	1.7	21	0	17	11	4.6	.1	19

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 17...	82	.03	.06	.35	--	--	.31	3.9	--	--
NOV 28...	63	.05	.04	.30	.30	.11	.09	--	--	--
DEC 05...	48	.03	.02	.35	.35	.07	.05	7.1	--	--
JAN 08...	33	.13	.06	1.1	1.1	.08	.03	14	--	--
FEB 08...	--	.13	.04	.42	--	.05	.03	--	10	--
MAR 05...	39	.06	.06	--	.69	.03	.02	12	--	--
APR 05...	31	.06	.10	.52	.44	.04	.01	--	13	1.3
MAY 17...	67	.14	.10	.56	.54	.05	.04	8.2	--	--
JUN 07...	34	.09	.03	.72	.72	.07	.04	12	--	--
JUL 12...	65	.13	.02	.30	.27	.06	.02	--	--	--
AUG 09...	62	.12	.17	--	.54	.06	.06	8.9	--	--
SEP 07...	73	.18	.04	.97	.97	.04	.02	10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible][illegible]

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SF)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 17...	0	0	0	0	10	10	3.9	--	--	--
NOV 28...	--	--	--	--	--	--	--	--	--	320
DEC 05...	--	--	--	--	--	--	7.1	--	--	--
JAN 08...	--	--	--	--	--	--	14	--	--	--
FEB 08...	0	0	0	0	10	10	--	10	--	--
MAR 05...	--	--	--	--	--	--	12	--	--	320
APR 05...	0	0	0	0	10	5	--	13	1.3	--
MAY 17...	--	--	--	--	--	--	8.2	--	--	--
JUN 07...	--	--	--	--	--	--	12	--	--	--
JUL 12...	0	0	0	0	20	7	--	--	--	--
AUG 09...	--	--	--	--	--	--	8.9	--	--	--
SEP 07...	--	--	--	--	--	--	10	--	--	--

DATE	PCR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
FEB 08...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	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)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)
FEB 08...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (1/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	30	20	67
NOV 28...	47	44	57
DEC 05...	47	90	66
JAN 08...	58	813	60
FEB 08...	90	2840	21
MAR 05...	82	1760	88
APR 05...	38	852	70
MAY 17...	48	112	92
JUN 07...	61	486	93
JUL 12...	35	59	89
AUG 09...	46	98	87
SEP 07...	52	114	82

ND Material specifically analyzed for but not detected.

CALCASIEU RIVER BASIN

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08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---		---	70
2									---		---	59
3									---		---	83
4									---		64	---
5									---		---	71
6									---		---	65
7									44		---	63
8									42		---	50
9									42		61	55
10									45		63	61
11									49		67	70
12									70		70	71
13									59		66	60
14									63		69	55
15									66		72	58
16									65		58	60
17									69		---	63
18									54		61	66
19									73		64	123
20									80		62	22
21									76		---	13
22									84		53	20
23									77		93	17
24									139		63	15
25									96		63	18
26									85		59	20
27									73		57	22
28									86		58	22
29									71		63	25
30									77		67	30
31									---		77	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---			---
2									---			---
3									---			---
4									---			---
5									---			---
6									---			---
7									27.0			---
8									27.0			26.0
9									28.0			25.0
10									27.0			25.0
11									26.0			26.0
12									26.0			26.0
13									26.0			25.0
14									26.0			25.0
15									26.0			25.0
16									27.0			24.0
17									28.0			23.0
18									28.0			24.0
19									28.0			25.0
20									28.0			26.0
21									29.0			26.0
22									29.0			25.0
23									28.0			25.0
24									30.0			24.0
25									29.0			23.0
26									28.0			24.0
27									29.0			24.0
28									29.0			25.0
29									30.0			24.0
30									30.0			25.0
31									---			---

CALCASIEU RIVER BASIN

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO MARCH 1979

DATE	NOV 28, 78	MAR 5, 79
TIME	1545	1530
TOTAL CELLS/ML	320	320
DIVERSITY: DIVISION	1.1	1.0
..CLASS	1.1	1.0
..ORDER	1.3	1.9
...FAMILY	2.7	2.2
....GENUS	2.7	2.6

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
...OOCYSTACEAE				
....ANKISTRODESMUS	--	-	58#	18
....CHODATELLA	--	-	14	5
....KIRCHNERIELLA	--	-	14	5
...SCENEDESMACEAE				
...SCENEDESMUS	58#	18	29	9
..TETRASPORALES				
...COCCOMYXACEAE				
...ELAKATOTHRIX	29	9	--	-
..VOLVOCELES				
...VOLVOCEAE				
...GONIUM	--	-	58#	18
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...PENNALES				
...ACHNANTHACEAE				
....ACHNANTHES	72#	23	--	-
...FRAGILARIACEAE				
....SYNEDRA	58#	18	--	-
...NAVICULACEAE				
...NAVICULA	58#	18	--	-
...NITZSCHIA	29	9	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
...CHROOCOCCACEAE				
....ANACYSTIS	--	-	58#	18
...HORMOGONALES				
...OSCILLATORIA	--	-	87#	27
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
....PHACUS	14	5	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

CALCASIEU RIVER BASIN

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08016400 BECKWITH CREEK NEAR DE QUINCY, LA

LOCATION.--Lat 30°28'15", long 93°21'35", in SE¼ 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 (91 m) upstream from New Orleans, Texas and Mexico Railway bridge 2.3 mi (3.7 km) downstream from Hams Creek, and 4.4 mi (7.1 km) northeast of De Quincy.

DRAINAGE AREA.--148 mi² (383 km²).

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 (7.708 m) 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 (305 m) upstream at same datum.

REMARKS.--Records good. Records of water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--34 years, 197 ft³/s (5.579 m³/s), 18.08 in/yr (459 mm/yr), 142,700 acre-ft/yr (176 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft³/s (391 m³/s) May 21, 1955, gage height, 24.45 ft (7.452 m); minimum, 0.08 ft³/s (0.002 m³/s) Nov. 1, 1978; minimum gage height, 0.87 ft (0.265 m) Sept. 26, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,600 ft³/s (45 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Apr. 4	1545	1820 51.5	16.86 5.139	July 27	0015	3270 92.6	18.99 5.788
Apr. 21	0700	1730 49.0	15.93 4.855	Sept. 20	1830	*4190 119	*19.86 6.053

Minimum discharge, 0.08 cfs (0.002 m³/s) Nov. 1, gage height, 1.02 ft (0.311 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	.16	24	801	368	210	39	35	536	5.7	283	20
2	4.8	.16	27	791	236	177	43	30	666	4.9	79	55
3	4.6	.12	32	452	374	474	302	28	954	4.3	57	27
4	4.5	.12	66	411	653	410	1680	27	1020	4.0	37	43
5	2.9	.16	56	433	954	446	1540	30	649	3.7	29	24
6	1.5	.60	34	535	1430	636	1120	33	224	3.5	24	18
7	1.5	.68	40	1430	1440	809	808	42	179	3.2	20	15
8	1.2	1.0	96	1220	1080	588	625	40	249	4.5	17	13
9	.97	.76	316	777	930	147	234	30	225	82	18	11
10	.81	.44	286	676	905	78	94	22	104	33	24	8.9
11	.68	.36	177	693	731	60	65	18	50	21	23	8.1
12	.66	.44	93	473	291	51	51	15	31	16	16	7.7
13	.60	.60	42	117	119	52	46	13	22	16	15	7.7
14	.64	1.0	26	69	87	52	41	11	16	69	13	6.9
15	.60	1.2	19	51	71	43	38	9.3	13	48	11	6.1
16	.61	1.1	14	40	60	37	34	8.4	11	56	10	5.4
17	.57	.92	12	34	51	33	28	7.7	9.1	168	13	5.4
18	.52	.68	10	47	270	31	24	7.0	7.9	340	22	6.3
19	.49	.27	8.9	62	394	32	26	6.6	6.9	325	17	24
20	.39	28	8.1	758	344	518	1070	6.3	6.2	179	13	2560
21	.24	16	7.6	654	382	949	1680	6.0	5.7	341	266	2470
22	.20	7.4	6.9	399	422	1290	1390	22	5.3	565	70	1590
23	.20	4.7	6.6	467	662	1360	937	22	5.0	499	35	1640
24	.16	3.6	6.2	608	1390	1030	808	8.5	23	133	25	1390
25	.20	3.7	6.0	592	1070	864	774	7.1	75	271	18	850
26	.47	5.8	5.8	211	613	660	518	7.2	339	1820	17	182
27	.52	36	5.5	247	510	367	144	7.0	35	2320	38	61
28	.44	22	5.2	286	439	125	73	6.4	19	1600	22	40
29	.52	11	5.2	263	---	77	51	11	10	1630	13	31
30	.36	22	77	434	---	58	41	450	7.1	1470	13	24
31	.20	---	373	765	---	46	---	910	---	995	11	---
TOTAL	37.15	170.97	1897.0	14796	16276	11710	14324	1876.5	5503.2	13030.8	1269	11150.5
MEAN	1.20	5.70	61.2	477	581	378	477	60.5	183	420	40.9	372
MAX	5.1	36	373	1430	1440	1360	1680	910	1020	2320	283	2560
MIN	.16	.12	5.2	34	51	31	24	6.0	5.0	3.2	10	5.4
CFSM	.008	.04	.41	3.22	3.93	2.55	3.22	.41	1.24	2.84	.28	2.51
IN.	.009	.04	.48	3.72	4.09	2.94	3.60	.47	1.38	3.28	.32	2.80
AC-FT	74	339	3760	29350	32280	23230	28410	3720	10920	25850	2520	22120
CAL YR 1978 TOTAL	35234.62			MEAN 96.5	MAX 3340	MIN .12	CFSM .65	IN 8.86	AC-FT 69890			
WTR YR 1979 TOTAL	92041.12			MEAN 252	MAX 2560	MIN .12	CFSM 1.70	IN 23.13	AC-FT 182600			

CALCASIEU RIVER BASIN

08016400 BECKWITH CREEK NEAR DE QUINCY, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.46	1.04	2.23	10.58	6.92	5.12	2.63	2.51	8.22	1.49	5.71	1.95
2	1.44	1.04	2.33	10.60	5.48	4.69	2.70	2.41	9.23	1.43	3.32	2.85
3	1.43	1.04	2.44	7.80	6.87	8.04	5.53	2.35	11.28	1.39	2.92	2.21
4	1.42	1.04	3.15	7.39	9.59	7.37	16.11	2.32	11.71	1.37	2.48	2.61
5	1.29	1.05	2.97	7.61	11.70	7.74	14.88	2.41	9.06	1.35	2.27	2.12
6	1.18	1.11	2.61	8.49	14.72	9.47	12.33	2.47	5.22	1.32	2.12	1.94
7	1.18	1.12	2.64	14.72	14.79	10.76	10.27	2.70	4.75	1.30	2.00	1.83
8	1.16	1.16	3.54	13.42	12.58	8.95	8.91	2.65	5.54	1.41	1.91	1.78
9	1.14	1.13	6.39	10.53	11.61	4.34	5.30	2.40	5.27	3.28	1.93	1.66
10	1.12	1.09	5.32	9.79	11.44	3.37	3.61	2.19	3.76	2.43	2.09	1.58
11	1.10	1.08	4.73	9.92	10.18	3.05	3.15	2.06	2.85	2.12	2.08	1.54
12	1.10	1.09	3.59	7.79	6.04	2.88	2.88	1.97	2.42	1.97	1.89	1.51
13	1.09	1.11	2.70	3.94	3.98	2.89	2.78	1.89	2.18	1.92	1.85	1.52
14	1.10	1.16	2.29	3.21	3.52	2.89	2.68	1.80	2.01	3.16	1.76	1.47
15	1.09	1.19	2.09	2.87	3.26	2.72	2.59	1.74	1.90	2.75	1.68	1.42
16	1.09	1.18	1.95	2.65	3.05	2.58	2.51	1.70	1.80	2.92	1.62	1.37
17	1.09	1.16	1.84	2.50	2.89	2.48	2.36	1.65	1.73	4.57	1.72	1.37
18	1.08	1.13	1.77	2.78	5.72	2.44	2.24	1.62	1.66	6.43	2.06	1.43
19	1.08	1.24	1.72	3.09	7.21	2.44	2.29	1.60	1.61	6.27	1.89	1.84
20	1.06	2.31	1.68	10.18	6.70	8.12	11.60	1.58	1.57	4.75	1.77	16.74
21	1.05	2.00	1.65	9.53	7.09	11.69	15.65	1.56	1.53	6.43	5.55	18.01
22	1.05	1.63	1.61	7.26	7.50	13.91	13.97	1.97	1.51	8.45	3.16	15.17
23	1.05	1.46	1.59	7.95	9.60	14.32	11.17	2.16	1.48	7.87	2.41	15.44
24	1.04	1.37	1.57	9.27	14.49	12.29	10.27	1.70	1.96	4.13	2.16	14.00
25	1.05	1.38	1.55	9.10	12.47	11.15	10.03	1.62	2.94	5.63	1.94	10.52
26	1.08	1.51	1.54	5.12	9.28	9.66	7.99	1.63	6.27	15.47	1.88	4.67
27	1.08	2.53	1.52	5.59	8.39	6.88	4.30	1.62	2.47	17.77	2.49	3.06
28	1.08	2.17	1.50	6.05	7.67	4.06	3.28	1.58	2.06	15.20	2.06	2.66
29	1.09	1.83	1.50	5.79	---	3.34	2.88	1.77	1.75	15.36	1.77	2.41
30	1.07	2.18	2.79	7.46	---	3.01	2.68	6.52	1.58	14.47	1.76	2.25
31	1.05	---	6.99	10.41	---	2.78	---	10.95	---	11.54	1.68	---
MEAN	1.14	1.38	2.64	7.53	8.38	6.30	6.65	2.42	3.91	5.68	2.32	4.63
MAX	1.46	2.53	6.99	14.72	14.79	14.32	16.11	10.95	11.71	17.77	5.71	18.01
MIN	1.04	1.04	1.50	2.50	2.89	2.44	2.24	1.56	1.48	1.30	1.62	1.37

SABINE RIVER BASIN

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08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94°21'12", Panola County, Hydrologic Unit 12010002, on downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi (1.4 km) upstream from Eightmile Creek, 6.0 mi (9.7 km) upstream from Farm Road 1794, 8.4 mi (13.5 km) northeast of Beckville, 12.4 mi (20.0 km) downstream from State Highway 43, and at mile 327.0 (526.3 km).

DRAINAGE AREA.--3,589 mi² (9,296 km²).

PERIOD OF RECORD.--October 1978 to September 1979.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good except those for Jan. 25 to Sept. 30, which are fair. Flow is partly regulated by Lake Tawakoni (station 08017400) located 187 mi (301 km) upstream and by six reservoirs on tributary streams, combined capacity, 1,022,000 acre-ft (1.26 km³). Several diversions above the station and below Lake Tawakoni for oilfield operation, municipal, and industrial uses. Low flows are sustained by sewage effluents returned to the river above the station. During the current year, the city of Longview reported 9,590 acre-ft (11.8 km³) of sewage effluent returned to the river above this station. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08020000.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft³/s (382 m³/s) Jan. 20, 1979, gage height, 27.02 ft (8.236 m); minimum, 51 ft³/s (1.44 m³/s) Oct. 17, 18, 1978, gage height, 6.43 ft (1.960 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1884, about 40 ft (12.2 m) Apr. 4, 1945. Flood in May 1884 reached a stage of about 38 ft (11.6 m), from information by local residents. These dates and gage heights are based on information for stations near Tatum (08022000) and at Logansport, La. (08022500).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,500 ft³/s (382 m³/s) Jan. 20, gage height, 27.02 ft (8.236 m); minimum, 51 ft³/s (1.44 m³/s) Oct. 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	87	789	1350	5490	4130	12200	3360	10800	752	5050	242
2	55	95	625	2210	5020	4030	11700	3110	10700	730	4140	229
3	54	87	548	1940	4730	4760	11600	4570	11000	722	3040	154
4	62	83	489	1480	4490	6360	11600	8070	11000	711	3410	112
5	63	80	453	1430	3820	6870	11600	12500	9900	663	4020	116
6	60	76	396	1990	3470	6850	11400	12000	8860	591	3720	134
7	60	75	353	4640	5130	6620	11100	11400	8940	563	2730	147
8	57	74	605	7200	6230	6120	10900	10700	8890	609	2080	179
9	54	74	955	3710	5500	5390	10600	9790	8690	566	1980	191
10	54	71	556	3770	4520	4030	10300	9410	8460	482	2110	266
11	54	67	500	2550	3850	3120	10200	9390	8320	428	2150	191
12	53	70	468	1890	3410	2490	10200	9490	8210	383	2140	134
13	54	71	408	1550	3160	2000	10400	9840	8100	336	2120	132
14	57	77	362	1310	2960	1750	10400	10200	7940	295	2030	126
15	60	111	331	1110	2740	1560	9960	10600	7710	256	1770	118
16	56	258	333	982	2350	1510	9340	10900	7440	444	1620	105
17	52	278	322	897	1990	1620	9010	11200	7160	674	1480	92
18	52	265	310	903	1880	1880	8740	11300	6780	872	1190	95
19	53	275	299	1870	2080	2660	8580	11400	6280	1060	952	118
20	60	308	275	10800	1960	3340	7890	11400	5610	1180	791	986
21	56	571	268	13100	1890	4620	7990	11200	4690	1330	659	2680
22	59	798	259	12000	1900	6450	10100	11200	3670	1280	570	4820
23	60	895	244	10500	1940	6820	12400	11200	2770	1040	505	6300
24	59	827	240	8820	2540	6740	12500	11300	2030	760	452	6150
25	57	684	239	7380	5450	6260	11300	11300	1550	552	398	5340
26	80	604	239	6220	6000	5440	9680	11300	1320	420	455	4790
27	96	755	233	6080	5100	4930	7520	11100	1080	540	482	4470
28	104	1080	220	6010	4350	4600	5400	10900	905	2000	423	3770
29	80	1150	232	5650	---	4370	4250	11200	843	3950	372	2890
30	76	997	250	5510	---	4440	3650	11400	806	5010	334	2220
31	81	---	462	5640	---	9220	---	11000	---	5360	293	---
TOTAL	1943	10943	12663	142492	103950	140980	292510	313730	190454	34559	53466	47297
MEAN	62.7	365	408	4597	3713	4548	9750	10120	6348	1115	1725	1577
MAX	104	1150	955	13100	6230	9220	12500	12500	11000	5360	5050	6300
MIN	52	67	220	897	1880	1510	3650	3110	806	256	293	92
AC-FT	3850	21710	25120	282600	206200	279600	580200	622300	377800	68550	106000	93810
WTR YR 1979	TOTAL	1344987	MEAN	3685	MAX	13100	MIN	52	AC-FT	2668000		

SABINE RIVER BASIN

08022500 SABINE RIVER AT LOGANSPOUT, 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 (5 km) upstream from Bayou Castor, 111 mi (179 km) upstream from Toledo Bend Dam, and at mile 267.1 (429.8 km).

DRAINAGE AREA.--4,842 mi² (12,541 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Discharge record July 1903 to February 1968.

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft (45.025 m) National Geodetic Vertical Datum of 1929. July 1, 1903, to Sept. 30, 1956, nonrecording gage. Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft (1,400 m) upstream. Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft (1,430 m) upstream. All gages to present datum except prior to Dec. 31, 1906, when datum was 2.00 ft (0.610 m) lower.

REMARKS.--Station discontinued as daily streamflow station Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Eight major reservoirs, with a combined capacity of 1,068,000 acre-ft (1.32 km³), largely regulated the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see Sabine River near Gladewater (station 08020000). Numerous diversions above station for oilfield operations, municipal, and industrial uses.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft³/s (90.85 m³/s), 2,324,000 acre-ft/yr (2.87 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-79), 32.50 ft (9.906 m) Apr. 20, 1969; minimum since initial filling of Toledo Bend Reservoir in June 1968, 17.97 ft (5.477 m) Nov. 29, 1977.
Maximum discharge (1903-67), 92,000 ft³/s (2,610 m³/s) Apr. 8, 1945, gage height, 44.07 ft (13.433 m), from floodmark; minimum, 16 ft³/s (0.453 m³/s) Sept. 26-28, Oct. 3, 4, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1884, that of Apr. 8, 1945. Flood in May 1884 reached a stage of 39.4 ft (12.01 m), present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.77 ft (8.769 m) Jan. 24; minimum, 20.30 ft (6.187 m) Nov. 7.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.14	20.68	21.26	21.98	25.46	25.55	26.12	25.02	26.92	23.74	23.50	21.94
2	21.16	20.67	21.34	22.65	25.32	25.50	26.57	24.70	27.38	23.75	23.53	22.04
3	21.06	20.63	21.14	22.81	25.16	25.36	27.69	24.63	27.65	23.62	23.35	21.85
4	21.08	20.62	21.55	22.70	25.13	25.48	28.39	25.52	28.00	23.61	23.18	21.77
5	20.90	20.65	21.66	22.48	25.06	25.41	28.58	26.87	28.06	23.51	23.18	21.81
6	21.01	20.50	21.62	22.97	25.34	25.31	28.35	28.16	28.00	23.43	23.18	21.76
7	21.04	20.46	21.45	23.50	25.66	25.20	27.98	28.54	27.82	23.42	23.12	21.65
8	21.03	20.58	21.26	23.98	25.68	25.14	27.56	28.40	27.50	23.47	23.08	21.54
9	21.03	20.63	21.51	24.25	25.76	25.03	27.11	28.05	27.15	23.53	23.04	21.54
10	21.03	20.58	21.74	24.44	25.77	24.77	26.91	27.58	26.69	23.33	22.99	21.55
11	21.03	20.57	21.68	24.42	25.60	24.61	26.71	27.01	26.34	23.26	22.83	21.42
12	21.00	20.58	21.68	24.12	25.22	24.42	26.51	26.65	26.04	23.34	22.87	21.22
13	20.81	20.63	21.55	23.25	24.84	24.12	26.28	26.32	25.76	23.28	22.87	21.27
14	20.94	20.74	21.58	23.31	24.65	23.78	26.04	26.01	25.53	23.31	22.85	21.07
15	20.93	20.63	21.61	23.33	24.25	23.65	25.84	25.78	25.32	23.22	22.72	21.03
16	20.82	20.60	21.40	23.25	23.97	23.74	25.72	25.63	25.18	23.15	22.70	21.00
17	20.79	20.64	21.43	23.14	23.92	23.89	25.62	25.52	25.10	23.18	22.65	21.08
18	20.76	20.66	21.50	23.12	23.96	23.86	25.47	25.53	25.07	23.04	22.64	21.11
19	20.78	20.67	21.46	24.14	24.04	23.88	25.40	25.53	24.99	23.02	22.75	21.16
20	20.78	20.66	21.20	25.83	24.02	23.85	25.32	25.53	24.80	23.12	22.71	21.42
21	20.80	20.69	21.34	26.89	23.90	24.05	25.12	25.52	24.52	23.12	22.46	21.65
22	20.72	20.76	21.30	28.18	23.93	24.33	25.39	25.52	24.36	23.08	22.48	21.95
23	20.68	20.77	21.34	28.67	24.29	24.32	25.86	25.50	24.17	23.10	22.33	22.10
24	20.72	20.78	21.26	28.72	24.79	24.37	26.30	25.45	23.85	22.97	22.35	22.15
25	20.73	20.94	21.31	28.34	25.28	24.45	26.60	25.46	23.77	23.14	22.35	22.13
26	20.70	21.11	21.22	27.77	25.56	24.57	26.66	25.50	23.68	23.44	22.40	22.02
27	20.71	20.85	21.27	27.59	25.75	24.39	26.72	25.50	23.70	23.23	22.28	21.89
28	20.67	21.07	21.29	26.54	25.73	24.27	26.53	25.63	23.72	23.13	22.30	21.85
29	20.67	21.17	21.42	26.02	---	24.24	26.12	25.92	23.70	23.32	22.05	21.74
30	20.68	21.22	21.45	25.64	---	24.40	25.52	26.62	23.68	23.49	22.10	21.55
31	20.67	---	21.65	25.48	---	26.36	---	26.87	---	23.57	22.15	---
MEAN	20.87	20.72	21.43	24.82	24.93	24.59	26.50	26.14	25.62	23.32	22.74	21.61
MAX	21.16	21.22	21.74	28.72	25.77	26.36	28.58	28.54	28.06	23.75	23.53	22.15
MIN	20.67	20.46	21.14	21.98	23.90	23.65	25.12	24.63	23.68	22.97	22.05	21.00

SABINE RIVER BASIN

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08022500 SABINE RIVER AT LOGANSPOUT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
NOV 16...	1100	480	7.4	20.5	5	8	10.5	5.2	210	5200	83
FEB 07...	1430	197	6.6	5.0	100	30	9.1	.3	440	900	39
APR 04...	0900	113	6.4	14.0	100	30	6.2	1.6	400	220	26
JUL 11...	0915	321	7.1	29.0	15	15	6.9	3.1	--	420	66

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)
NOV 16...	37	24	5.7	58	58	2.8	5.9	56	0	46
FEB 07...	24	10	3.4	20	51	1.4	2.6	18	0	15
APR 04...	13	6.6	2.4	9.5	41	.8	2.7	16	0	13
JUL 11...	13	19	4.5	31	49	1.7	3.7	65	0	53

DATE	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)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 16...	52	84	.3	1.7	270	259	.37	.00	.01	.01
FEB 07...	25	30	.1	9.5	129	109	.18	--	--	.23
APR 04...	15	12	.1	6.6	85	63	.12	--	--	.06
JUL 11...	28	44	.2	7.1	189	170	.26	--	--	.03

DATE	NITROGEN, AMMONIA + ORGANIC (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, SUSPENDED (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 HF)
NOV 16...	--	--	--	.18	8.6	1	0	1	5	1
FEB 07...	1.1	1.3	5.9	.21	9.5	--	--	--	--	--
APR 04...	.79	.85	3.8	.07	14	--	--	--	--	--
JUL 11...	.88	.91	4.0	.09	--	--	--	--	--	--

SABINE RIVER BASIN

08022500 SABINE RIVER AT LOGANSPOUT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, SUSPENDED RECOVER (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXA-VALENT, DIS-SOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	
NOV 16...	0	1	1	0	1	0	20	0	0	8	0	8	
DATE	COPPER, RECOVERABLE (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOVERABLE (UG/L AS PB)	MANGANESE, RECOVERABLE (UG/L AS HG)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOVERABLE (UG/L AS HG)	
NOV 16...	40	10	23	7	4	3	20	69	.0	.0	.0	.03	
DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOVERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	
NOV 16...	6	0	6	1	0	1	.0	20	10	10	10	.00	
DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE (MG/L)	PCB, TOTAL (UG/L)	PCB, IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, IN BOTTOM MATERIAL (UG/KG)	UDE, TOTAL (UG/L)	
NOV 16...	2	0	.0	1	.00	.00	.0	.0	.0	5	.00	.6	.00
DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOTTOM MATERIAL (UG/KG)		
NOV 16...	.6	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0		
DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, EPOXIDE TOTAL (UG/L)	HEPTACHLOR, EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE, TOTAL (UG/L)	LINDANE, IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)		
NOV 16...	.00	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00		
DATE	METHYL TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, IN BOTTOM MATERIAL (UG/KG)	TRI-THION, TOTAL (UG/L)	TRI-THION, IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)		
NOV 16...	.0	.00	.00	.0	0	0	.00	.0	.00	.00	.00		

08022765 BAYOU CASTOR NEAR FUNSTON, LA

LOCATION.--Lat 32°00'57", long 93°57'35", SW 1/4 sec.24, T.12 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi (0.5 km) downstream from Bushneck Bayou, and 2.4 mi (3.9 km) south of Funston.

DRAINAGE AREA.--91.5 mi² (237.0 km²).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 188.50 ft (57.455 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Record good. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 70.3 ft³/s (1.991 m³/s), 10.43 in/yr (265 mm/yr), 50,930 acre-ft/yr (62.8 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,690 ft³/s (133 m³/s) Jan. 24, 1974, gage height, 15.23 ft (4.642 m); minimum no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft³/s (25 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 20	1200	3280 92.9	14.71 4.484	Mar. 31	1200	3700 105	14.88 4.535
Feb. 7	1945	1500 42.5	13.90 4.237	Apr. 23	1500	2750 77.9	14.50 4.420
Feb. 25	0345	2500 70.8	14.40 4.389	May 4	2330	*3720 105	*14.89 4.538
Mar. 4	0300	976 27.6	13.41 4.087				

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	5.3	662	372	92	2290	23	141	3.3	12	4.3
2	0	0	3.2	661	112	147	1080	24	183	2.8	9.4	9.2
3	0	0	48	162	206	734	558	24	611	2.3	7.8	1.5
4	0	0	134	47	336	911	565	1580	441	1.7	6.6	1.84
5	0	0	49	41	221	262	221	2630	81	1.3	5.4	1.1
6	0	0	19	255	415	89	97	844	51	.90	4.5	1.3
7	0	0	13	764	1310	61	60	134	69	.78	3.9	.82
8	0	0	20	800	1220	49	49	61	70	1.3	3.4	.48
9	0	0	39	188	309	41	42	41	37	3.7	2.7	.25
10	0	0	26	59	100	43	36	32	24	23	2.3	.15
11	0	0	14	40	68	96	54	28	18	28	2.1	.12
12	0	0	9.0	31	55	81	330	298	15	10	1.7	.09
13	0	0	6.3	25	48	53	338	392	13	6.2	1.1	.06
14	0	0	4.6	20	44	40	84	68	12	4.2	.91	.04
15	0	0	3.4	16	40	32	45	36	11	3.5	4.3	.02
16	0	0	2.9	15	36	49	32	26	9.8	4.1	3.4	.01
17	0	0	2.4	14	39	90	25	21	9.1	4.5	1.1	.01
18	0	.02	2.2	15	151	85	21	17	8.4	2.8	.70	.50
19	0	.07	1.8	340	255	59	20	15	7.9	2.6	.61	.87
20	0	.14	1.5	2500	223	123	49	14	7.6	63	3.1	56
21	0	.12	1.2	2210	153	249	112	13	7.0	24	.89	68
22	0	.55	.90	904	116	218	251	20	6.5	8.1	.48	34
23	0	.67	.74	190	281	255	1740	56	6.0	4.7	.39	12
24	0	.46	.60	86	1340	154	1440	23	5.3	3.4	.64	6.8
25	0	.31	.53	59	2140	64	308	16	7.1	2.3	14	4.0
26	3.2	18	.51	93	1160	41	82	12	7.6	38	9.7	2.3
27	5.9	100	.48	370	255	32	49	11	8.4	72	4.6	1.3
28	2.5	60	.41	357	112	28	35	10	7.1	209	2.4	.73
29	.36	19	1.3	106	---	25	29	146	5.0	256	1.3	.43
30	.02	8.8	54	189	---	24	26	264	3.8	60	.69	.25
31	0	---	180	449	---	2920	---	283	---	20	.37	---
TOTAL	11.98	208.14	645.27	11668	11117	7147	10068	7162	1883.6	867.48	112.48	207.47
MEAN	.39	6.94	20.8	376	397	231	336	231	62.8	28.0	3.63	6.92
MAX	5.9	100	180	2500	2140	2920	2290	2630	611	256	14	68
MIN	0	0	.41	14	36	24	20	10	3.8	.78	.37	.01
CFSM	.004	.08	.23	4.11	4.34	2.52	3.67	2.52	.69	.31	.04	.08
IN.	.005	.08	.26	4.74	4.52	2.91	4.09	2.91	.77	.35	.05	.08
AC-FT	24	413	1280	23140	22050	14180	19970	14210	3740	1720	223	412

CAL YR 1978	TOTAL	9541.22	MEAN 26.1	MAX 2480	MIN 0	CFSM .29	IN 3.88	AC-FT 18930
WTR YR 1979	TOTAL	51098.42	MEAN 140	MAX 2920	MIN 0	CFSM 1.53	IN 20.77	AC-FT 101400

SABINE RIVER BASIN

08022765 BAYOU CASTOR NEAR FUNSTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	1.74	2.60	12.29	9.81	5.44	14.29	3.35	6.32	2.19	2.78	2.10
2	1.52	1.73	2.45	12.24	5.83	6.26	13.24	3.39	6.75	2.16	2.60	2.55
3	1.52	1.70	3.91	6.63	7.46	12.49	11.75	3.42	12.03	2.10	2.49	1.98
4	1.49	1.68	6.24	4.31	9.47	13.07	11.71	12.16	10.27	2.05	2.40	1.91
5	1.49	1.66	4.34	4.14	7.73	8.22	7.70	14.46	5.16	2.01	2.31	1.94
6	1.49	1.66	3.33	8.01	9.95	5.37	5.53	12.20	4.41	1.97	2.24	1.97
7	1.46	1.66	3.05	12.74	13.60	4.69	4.68	6.21	4.92	1.95	2.19	1.91
8	1.45	1.64	3.36	12.81	13.45	4.33	4.33	4.69	4.94	2.01	2.15	1.85
9	1.44	1.63	4.07	7.05	8.83	4.06	4.11	4.07	3.90	2.20	2.09	1.79
10	1.44	1.62	3.60	4.65	5.59	4.13	3.88	3.71	3.39	3.02	2.05	1.75
11	1.43	1.61	3.12	4.11	4.88	5.51	4.30	3.58	3.13	3.52	2.04	1.73
12	1.43	1.60	2.84	3.78	4.53	5.19	9.33	8.82	2.97	2.68	2.00	1.72
13	1.43	1.59	2.67	3.57	4.31	4.47	9.40	10.09	2.86	2.42	1.94	1.70
14	1.43	1.60	2.55	3.37	4.16	4.04	5.22	4.83	2.79	2.26	1.92	1.67
15	1.43	1.64	2.46	3.21	4.03	3.74	4.18	3.88	2.72	2.21	2.19	1.64
16	1.43	1.67	2.42	3.14	3.87	4.28	3.72	3.48	2.67	2.26	2.14	1.63
17	1.42	1.68	2.38	3.12	3.96	5.40	3.44	3.26	2.63	2.29	1.94	1.62
18	1.42	1.83	2.36	3.13	6.55	5.29	3.29	3.12	2.58	2.15	1.89	1.80
19	1.42	1.94	2.32	8.39	8.29	4.65	3.22	3.02	2.54	2.13	1.87	1.91
20	1.42	1.97	2.29	14.36	7.76	5.94	4.24	2.95	2.51	4.31	2.11	4.18
21	1.42	1.97	2.26	14.25	6.59	8.19	5.85	2.90	2.47	3.34	1.91	4.89
22	1.42	2.09	2.23	12.67	5.92	7.69	7.97	3.20	2.44	2.55	1.85	3.77
23	1.42	2.11	2.21	7.16	7.80	8.30	13.69	4.53	2.40	2.31	1.83	2.81
24	1.42	2.08	2.18	5.31	13.57	6.59	13.64	3.36	2.36	2.20	1.88	2.45
25	1.42	2.04	2.17	4.64	14.22	4.76	8.76	3.03	2.48	2.11	2.77	2.24
26	2.17	2.88	2.16	5.30	13.28	4.07	5.20	2.85	2.52	3.64	2.61	2.09
27	2.57	5.60	2.16	9.91	8.15	3.73	4.34	2.75	2.58	4.94	2.25	2.00
28	2.30	4.64	2.14	9.66	5.85	3.55	3.85	2.73	2.49	7.54	2.07	1.94
29	2.04	3.31	2.24	5.70	---	3.43	3.61	6.32	2.33	8.29	1.96	1.88
30	1.87	2.82	4.48	7.06	---	3.39	3.47	8.42	2.24	4.54	1.89	1.83
31	1.79	---	6.72	10.84	---	13.99	---	8.72	---	3.19	1.83	---
MEAN	1.58	2.11	3.01	7.34	7.84	5.94	6.73	5.27	3.79	2.99	2.14	2.18
MAX	2.57	5.60	6.72	14.36	14.22	13.99	14.29	14.46	12.03	8.29	2.78	4.89
MIN	1.42	1.59	2.14	3.12	3.87	3.39	3.22	2.73	2.24	1.95	1.83	1.62

SABINE RIVER BASIN

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08023000 BAYOU CASTOR NEAR LOGANSFORT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in NE¼ 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 (2.7 km) east of Logansport, and 2.5 mi (4.0 km) upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi² (249.9 km²).

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 (52.182 m) 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 (1.962 m³/s), 9.75 in/yr (248 mm/yr), 50,210 acre-ft/yr (61.9 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,030 ft³/s (277 m³/s) Apr. 6, 1956, gage height, 23.33 ft (7.111 m); no flow at times in most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.08 ft (5.511 m) Apr. 1; minimum, 1.16 ft (0.305 m) Oct. 24, 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.49	1.76	2.15	7.02	7.11	3.73	17.48	2.51	5.11	1.97	2.32	1.78
2	1.47	1.66	2.08	8.00	4.37	3.34	12.17	2.55	3.53	1.95	2.19	2.49
3	1.46	1.59	2.35	6.78	3.89	7.15	8.90	2.54	7.11	1.92	2.12	2.10
4	1.45	1.54	4.32	3.12	5.61	9.21	7.98	7.56	8.23	1.89	2.07	1.93
5	1.43	1.50	3.36	2.76	5.19	8.15	4.69	17.46	4.85	1.87	2.03	1.86
6	1.45	1.48	2.60	3.86	4.99	3.83	4.24	12.37	4.08	1.85	1.99	1.89
7	1.42	1.45	2.38	7.35	8.29	3.25	3.85	6.38	4.12	1.83	1.95	1.89
8	1.40	1.43	2.42	8.72	11.19	3.02	3.47	4.55	4.05	1.82	1.98	1.89
9	1.38	1.42	2.84	7.49	8.62	2.86	3.24	4.19	3.60	1.85	1.97	1.84
10	1.36	1.41	2.68	3.28	4.03	2.77	3.41	3.86	3.17	2.13	1.94	1.74
11	1.35	1.40	2.45	2.89	3.36	3.35	5.49	3.41	2.77	2.99	1.93	1.67
12	1.33	1.40	2.28	2.68	3.11	3.47	6.74	4.05	2.52	2.27	1.94	1.61
13	1.32	1.40	2.18	2.58	2.94	3.11	3.64	6.77	2.33	2.14	1.90	1.58
14	1.30	1.41	2.13	2.47	2.85	2.83	2.96	4.04	2.24	2.05	1.89	1.53
15	1.28	1.50	2.08	2.39	2.79	2.65	2.68	2.89	2.19	1.98	1.87	1.49
16	1.26	1.55	2.07	2.34	2.70	2.74	---	2.61	2.16	1.97	2.31	1.42
17	1.25	1.61	2.08	2.32	2.62	3.44	---	2.47	2.13	1.99	2.01	1.38
18	1.23	1.70	2.07	2.32	3.84	3.52	2.47	2.38	2.12	2.03	1.91	1.45
19	1.22	1.67	2.07	4.63	4.86	3.18	2.41	2.33	2.10	1.92	1.83	2.17
20	1.21	1.82	2.07	9.65	5.22	3.25	2.45	2.29	2.08	1.93	1.78	2.87
21	1.19	1.88	2.10	16.09	4.38	4.77	3.64	2.26	2.07	2.99	2.07	3.19
22	1.18	1.88	2.11	12.06	3.84	5.17	3.98	2.32	2.06	2.25	1.92	3.08
23	1.17	1.89	2.11	7.41	3.54	5.07	7.60	3.13	2.03	2.09	1.83	2.41
24	1.17	1.95	2.12	4.85	8.66	4.85	14.08	2.61	2.01	1.99	1.74	2.20
25	1.16	1.97	2.11	4.56	14.00	3.37	8.98	2.36	2.00	1.94	1.73	2.09
26	2.14	1.96	2.18	4.19	12.40	2.85	4.00	2.27	2.09	2.72	2.40	2.12
27	2.25	3.40	2.13	5.54	8.27	2.63	3.37	2.21	2.09	3.45	2.16	2.13
28	2.27	3.38	2.06	6.84	4.09	2.53	3.06	2.17	2.15	4.11	2.05	2.10
29	2.11	2.63	2.08	4.38	---	2.48	2.85	3.28	2.06	4.94	1.99	2.08
30	2.00	2.29	2.79	3.58	---	2.43	2.62	5.47	2.00	3.91	1.92	2.09
31	1.87	---	3.14	6.00	---	11.56	---	5.95	---	2.60	1.86	---
MEAN	1.47	1.80	2.37	5.42	5.60	4.08	---	4.23	3.04	2.37	1.99	2.00
MAX	2.27	3.40	4.32	16.09	14.00	11.56	17.48	17.46	8.23	4.94	2.40	3.19
MIN	1.16	1.40	2.06	2.32	2.62	2.43	2.41	2.17	2.00	1.82	1.73	1.38

SABINE RIVER BASIN

08025350 TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010004, in powerhouse at right end of Toledo Bend Dam on Sabine River, 15 mi (24 km) northeast of Burkeville, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi² (18,591 km²).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967, to June 30, 1973, recording gage at south end of spillway 1.6 mi (2.6 km) north of present site and at same datum.

REMARKS.--The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment was begun Oct. 3, 1966. The reservoir is operated for hydro-electric power generation and water conservation. Releases during high inflow periods are controlled by eleven 40 by 28 ft (12 by 9 m) tainter gates. An 8.33 by 12 ft (2.54 by 4 m) gated conduit through the dam is used for low-flow releases. Two additional 20-inch-diameter (508 mm) conduits, which bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75 by 29 ft (5.11 by 9 m) penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on Geological Survey topographic maps. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see Lake Fork Creek near Quitman (station 08019000). For statement regarding regulation by upstream reservoirs, see Sabine River near Gladewater (station 08020000). Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam.....	185.0	---
Design flow.....	175.3	5,102,000
Top of gates.....	173.0	4,660,000
Top of power drawdown storage.....	172.0	4,476,000
Top of power head storage.....	162.2	2,922,000
Crest of spillway (controlled).....	145.0	1,162,000
Lowest gated outlet (invert).....	100.0	4,090

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,739,000 acre-ft (5.84 km³) Mar. 21, 1969, elevation, 173.42 ft (52.858 m); minimum since initial filling of reservoir in June 1968, 3,433,000 acre-ft (4.23 km³) Nov. 27, 1977, elevation, 165.74 ft (50.518 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,656,000 acre-ft (5.74 km³) Jan. 23, elevation, 172.98 ft (52.724 m); minimum, 3,844,000 acre-ft (4.74 km³) Nov. 14, elevation, 168.34 ft (51.310 m).

Capacity table (elevation, in feet, and total contents, in acre-feet)

168.0	3,788,000	171.0	4,297,000
169.0	3,953,000	173.0	4,660,000

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3950000	3875000	3920000	4159000	4504000	4535000	4377000	4476000	4540000	4368000	4276000	4077000
2	3948000	3870000	3913000	4114000	4516000	4522000	4463000	4462000	4562000	4356000	4262000	4075000
3	3958000	3867000	3970000	4114000	4494000	4610000	4531000	4463000	4585000	4350000	4274000	4071000
4	3941000	3870000	3987000	4130000	4480000	4574000	4564000	4542000	4603000	4347000	4271000	4071000
5	3946000	3855000	3987000	4157000	4474000	4542000	4555000	4540000	4603000	4347000	4274000	4058000
6	3931000	3900000	3995000	4213000	4524000	4531000	4583000	4550000	4596000	4349000	4274000	4058000
7	3925000	3870000	4034000	4271000	4522000	4513000	4564000	4568000	4596000	4333000	4258000	4051000
8	3916000	3860000	4066000	4262000	4597000	4476000	4583000	4586000	4605000	4333000	4249000	4047000
9	3911000	3850000	4042000	4271000	4528000	4458000	4564000	4586000	4605000	4318000	4242000	4037000
10	3906000	3854000	4030000	4301000	4515000	4463000	4509000	4583000	4623000	4327000	4232000	4020000
11	3906000	3854000	4027000	4309000	4502000	4454000	4546000	4620000	4590000	4317000	4248000	4015000
12	3903000	3850000	4017000	4301000	4487000	4418000	4537000	4572000	4568000	4297000	4235000	4020000
13	3918000	3850000	4024000	4386000	4476000	4409000	4528000	4550000	4546000	4292000	4227000	3993000
14	3903000	3844000	4007000	4322000	4444000	4391000	4509000	4528000	4513000	4276000	4227000	3993000
15	3891000	3850000	3997000	4301000	4493000	4365000	4491000	4513000	4494000	4279000	4227000	3973000
16	3898000	3865000	4007000	4301000	4436000	4365000	4463000	4485000	4471000	4297000	4213000	3970000
17	3893000	3870000	3985000	4299000	4436000	4329000	4445000	4469000	4454000	4297000	4206000	3961000
18	3891000	3865000	3977000	4276000	4417000	4325000	4436000	4454000	4440000	4297000	4192000	3968000
19	3887000	3877000	3973000	4382000	4395000	4320000	4451000	4440000	4440000	4293000	4188000	3975000
20	3885000	3882000	4007000	4531000	4390000	4343000	4460000	4431000	4431000	4279000	4175000	4008000
21	3878000	3880000	3975000	4568000	4386000	4329000	4467000	4431000	4418000	4279000	4173000	4007000
22	3882000	3875000	3966000	4572000	4354000	4329000	4491000	4440000	4408000	4283000	4163000	4015000
23	3887000	3878000	3968000	4638000	4431000	4347000	4491000	4453000	4393000	4265000	4161000	4024000
24	3877000	3877000	3978000	4590000	4546000	4338000	4500000	4453000	4400000	4262000	4154000	4020000
25	3867000	3880000	3966000	4577000	4550000	4311000	4500000	4436000	4388000	4244000	4140000	4003000
26	3887000	3916000	3977000	4614000	4546000	4297000	4518000	4404000	4386000	4249000	4138000	3990000
27	3882000	3931000	3970000	4607000	4531000	4306000	4507000	4404000	4386000	4258000	4128000	3975000
28	3880000	3920000	3965000	4564000	4550000	4333000	4485000	4440000	4384000	4265000	4120000	3965000
29	3882000	3928000	3987000	4550000	---	4342000	4489000	4431000	4382000	4265000	4118000	3958000
30	3878000	3928000	4000000	4586000	---	4315000	4471000	4494000	4377000	4264000	4095000	3955000
31	3878000	---	4065000	4551000	---	4354000	---	4518000	---	4264000	4078000	---
(+)	168.55	168.55	169.66	172.41	172.40	171.32	171.97	172.23	171.45	170.81	169.74	169.01
(+)	-75,000	+50,000	+137,000	+486,000	-1,000	-196,000	-117,000	+47,000	-141,000	-113,000	-186,000	-123,000
MAX	3958000	3931000	4066000	4638000	4597000	4610000	4583000	4620000	4623000	4368000	4276000	4077000
MIN	3867000	3844000	3913000	4114000	4354000	4297000	4377000	4404000	4377000	4244000	4078000	3955000

CAL YR 1978 MAX 4308000 MIN 3531000 † +452,000
WTR YR 1979 MAX 4638000 MIN 3844000 ‡ +2,000

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

SABINE RIVER BASIN

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08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010005, in powerhouse at right end of Toledo Bend Dam, 10 mi (16 km) upstream from Sabine River near Burkeville gage, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi² (18,591 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorders. Datum of gages is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

REMARKS.--Water-discharge records fair. Low flows are based on operation logs and discharge measurements and include tainter gate releases, turbine leakage, and low-flow sluiceway discharges. Discharges during turbine release periods are based on scroll case differential pressure-discharge relationships. Discharges above 16,000 ft³/s (453 m³/s) usually include tainter gate releases, which are computed using tainter gate rating.

AVERAGE DISCHARGE.--8 years, 6,050 ft³/s (171.3 m³/s), 4,383,000 acre-ft/yr (5.40 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67,000 ft³/s (1,900 m³/s) Jan. 28, 1974; minimum daily, 30 ft³/s (0.85 m³/s) estimated Oct. 1-4, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 28,900 ft³/s (8.8 m³/s) Mar. 5; minimum daily, 58 ft³/s (1.64 m³/s) Mar. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	108	108	91	21300	16700	9540	13500	16100	90	4110	4370
2	91	108	103	3600	21400	21000	11700	6760	16300	3940	4070	92
3	91	2580	108	3500	21400	22000	16500	6890	16300	4090	4120	4140
4	91	91	2410	5160	21500	26400	16500	6010	18500	3770	4050	3880
5	5080	91	2370	7010	21400	28900	17900	8940	21600	3520	90	3910
6	91	2400	2380	6970	21500	24800	21500	13800	21700	4040	4020	3660
7	91	91	2320	6870	20600	21400	21600	13900	21500	3930	4040	3710
8	91	91	1920	6880	21400	22200	21700	16100	21400	90	4110	3570
9	91	91	95	6950	21300	18900	21500	19000	21100	4260	4150	92
10	91	91	95	7050	21200	16800	22000	19300	16300	4130	4120	3570
11	91	91	3480	7050	21300	16800	22000	19300	18500	4050	4360	3590
12	91	91	3520	7050	21200	16800	22100	20900	18500	4300	90	3950
13	91	91	3500	6830	17000	16700	22000	21900	18500	3960	4330	3730
14	91	94	3420	6600	14000	15900	21900	21800	18500	4190	4210	3750
15	91	108	4670	6740	14000	16700	21800	19000	18100	90	4220	3720
16	84	108	4650	6870	13900	16000	18700	16200	16000	4290	4220	92
17	88	108	4640	7680	13900	16600	16700	16300	12300	4350	4180	3750
18	91	108	2500	9220	14000	16800	16500	14300	8940	4200	4190	3800
19	91	108	2520	8470	14000	16600	16400	14200	9840	4050	90	6140
20	91	108	2460	10400	14000	16500	16400	14100	13900	3940	4220	2130
21	91	108	2740	14400	13600	16400	16500	14100	11600	3950	3810	93
22	91	108	2660	19600	14100	16500	16700	13700	7030	90	3950	90
23	91	108	91	21300	14800	16500	16400	6960	6960	3870	3860	92
24	96	108	91	27000	14600	16600	16400	7740	6910	4060	3930	4280
25	108	108	91	27900	14300	16600	16300	13900	6970	90	3900	10200
26	108	108	91	28000	14200	13800	16200	13900	91	90	90	14100
27	83	108	91	28000	13900	6930	16200	12200	91	4100	4220	11500
28	108	108	91	28000	13700	58	16100	7030	87	4210	4210	6930
29	108	108	91	25300	---	58	16100	7220	91	90	4270	7490
30	108	108	91	21300	---	9300	16200	9260	91	4110	4320	6360
31	108	---	91	21300	---	9740	---	16000	---	4060	4280	---
TOTAL	7899	7837	53493	393091	483500	506986	538040	424210	383801	98000	111830	126781
MEAN	255	261	1726	12680	17270	16350	17930	13680	12790	3161	3607	4226
MAX	5080	2580	4670	28000	21500	28900	22100	21900	21700	4350	4360	14100
MIN	83	91	91	91	13600	58	9540	6010	87	90	90	90
AC=FT	15670	15540	106100	779700	959000	1006000	1067000	841400	761300	194400	221800	251500
CAL YR 1978	TOTAL	655063	MEAN	1795	MAX	9140	MIN	37	AC=FT	1299000		
WTR YR 1979	TOTAL	3135468	MEAN	8590	MAX	28900	MIN	58	AC=FT	6219000		

SABINE RIVER BASIN

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

REMARKS.--Data furnished by Texas District.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	HARDNESS (MG/L AS CaCO3)
OCT 11...	1040	220	6.5	17.0	2.4	26	.7	40
DEC 14...	1320	220	6.7	12.5	--	--	1.0	44
FEB 28...	0915	230	7.3	10.0	11.0	101	.6	46
APR 05...	0810	196	6.8	14.5	9.2	93	.4	35
JUL 18...	1210	--	--	20.0	4.2	48	.7	--

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
OCT 11...	10	10	3.7	22	52	1.5	3.0	37	0
DEC 14...	12	11	3.9	23	51	1.5	3.2	39	0
FEB 28...	24	12	4.0	24	51	1.5	3.0	27	0
APR 05...	11	8.7	3.3	21	54	1.5	3.0	30	0
JUL 18...	--	--	--	--	--	--	--	--	--

DATE	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	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, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT 11...	30	19	19	34	.1	8.5	119	.16
DEC 14...	32	12	16	32	.1	6.4	115	.16
FEB 28...	22	2.2	21	41	.1	6.3	125	.17
APR 05...	25	7.6	18	28	.1	5.3	102	.14
JUL 18...	--	--	--	--	--	--	--	--

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P04)
OCT 11...	.00	.00	.00	.01	--	.34	.35	.35	1.6	.03	--
DEC 14...	.01	.00	.01	.02	--	.40	.42	.43	1.9	.02	--
FEB 28...	.12	.00	.12	.02	--	.35	.37	.49	2.2	.00	--
APR 05...	.06	.00	.06	.01	--	.38	.39	.45	2.0	.02	--
JUL 18...	.12	.02	.14	.04	.05	.31	.35	.49	2.2	.06	.18

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56", in SW¼ sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on State Highway 473, 0.2 mi (0.3 km) upstream from Hamby Creek, 2.5 mi (4.0 km) northeast of Toro, and 7.8 mi (12.5 km) west of Hornbeck.

DRAINAGE AREA.--148 mi² (383 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft (42.062 m) 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 141 ft³/s (3.993 m³/s), 12.94 in/yr (329 mm/yr), 102,200 acre-ft/yr (126 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft³/s (884 m³/s) Apr. 9, 1968, gage height, 25.73 ft (7.842 m) from rating curve extended above 13,000 ft³/s (368 m³/s); minimum, 0.1 ft³/s (0.003 m³/s) Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft (0.732 m) Sept. 30, Oct. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 3	0215	1910 54.1	12.11 3.691	Mar. 17	0445	1490 42.2	10.82 3.298
Jan. 7	0330	2400 68.0	13.51 4.118	Mar. 20	1615	1500 42.5	10.86 3.310
Jan. 20	2315	*7090 201	*20.53 6.258	Mar. 23	0100	1750 49.6	11.67 3.557
Feb. 7	0200	1940 54.9	12.19 3.716	Apr. 3	2215	2230 63.2	13.02 3.969
Feb. 25	0515	4080 116	17.30 5.273	Apr. 19	2345	1290 36.5	10.17 3.100
Mar. 3	2115	2180 61.7	12.89 3.929				

Minimum discharge, 4.1 ft³/s (0.116 m³/s) Oct. 22, 23, gage height, 2.79 ft (0.850 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DÉC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	6.3	54	300	557	249	127	85	235	15	22	10
2	9.4	5.9	39	1790	280	208	395	81	667	15	19	9.4
3	8.5	6.0	232	1590	238	1360	1960	102	568	14	16	8.7
4	7.5	5.7	955	371	281	1750	2040	236	218	14	15	9.2
5	6.9	5.3	808	198	460	1330	1660	543	105	12	14	18
6	6.6	5.7	225	1180	1230	394	1000	242	236	13	13	17
7	11	7.3	623	2270	1750	249	300	126	830	29	12	14
8	16	7.7	766	2020	1420	205	200	93	536	27	11	12
9	10	9.1	561	1170	556	180	150	76	149	42	10	11
10	8.0	11	236	288	284	197	120	66	93	35	10	9.5
11	6.8	9.5	114	198	223	625	100	59	73	23	11	8.6
12	6.0	8.4	83	159	193	511	92	53	60	20	12	7.9
13	5.6	8.1	68	139	174	264	86	51	51	81	14	7.1
14	4.9	9.6	58	120	162	192	80	51	45	54	14	6.7
15	4.3	12	51	103	151	156	75	45	41	32	12	6.3
16	4.4	12	48	94	138	522	70	39	38	47	27	5.8
17	4.6	14	44	92	142	1400	67	35	35	83	18	7.7
18	4.3	14	40	90	631	1030	67	32	33	39	14	18
19	4.6	13	37	1450	626	414	239	29	31	33	13	45
20	4.7	18	35	4310	346	1110	878	27	31	30	11	347
21	4.5	19	33	4820	293	1180	869	26	31	35	12	421
22	4.1	23	30	2050	256	953	978	29	28	93	12	125
23	4.4	20	27	579	1070	1550	1100	46	25	53	13	56
24	4.9	16	25	320	2840	1140	739	45	23	32	12	37
25	5.3	14	23	244	3510	379	281	38	21	27	16	27
26	7.5	19	21	219	1700	223	164	28	20	129	21	21
27	9.9	59	19	352	479	173	126	23	19	206	21	18
28	8.8	78	18	354	314	148	107	22	18	88	15	16
29	11	55	17	219	---	132	96	25	17	51	14	14
30	9.2	52	16	337	---	121	92	118	16	35	13	13
31	7.4	---	55	833	---	118	---	375	---	27	12	---
TOTAL	220.6	543.6	5361	28259	20304	18463	14258	2846	4293	1434	449	1326.9
MEAN	7.12	18.1	173	912	725	596	475	91.8	143	46.3	14.5	44.2
MAX	16	78	955	4820	3510	1750	2040	543	830	206	27	421
MIN	4.1	5.3	16	90	138	118	67	22	16	12	10	5.8
CFSM	.05	.12	1.17	6.16	4.90	4.03	3.21	.62	.97	.31	.10	.30
IN.	.06	.14	1.35	7.10	5.10	4.64	3.58	.72	1.08	.36	.11	.33
AC-FT	438	1080	10630	56050	40270	36620	28280	5650	8520	2840	891	2630

CAL YR 1978	TOTAL	35166.3	MEAN	96.3	MAX	2050	MIN	1.8	CFSM	.65	IN	8.84	AC-FT	69750
WTR YR 1979	TOTAL	97758.1	MEAN	268	MAX	4820	MIN	4.1	CFSM	1.81	IN	24.57	AC-FT	193900

SABINE RIVER BASIN

08025500 BAYOU TORO NEAR TORO, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.96	2.87	3.72	---	7.24	5.69	4.89	4.40	5.66	3.11	3.24	3.01
2	2.95	2.85	3.48	11.75	5.87	5.42	6.44	4.35	7.74	3.10	3.17	2.98
3	2.93	2.86	4.75	11.14	5.62	10.01	12.29	4.61	7.30	3.09	3.12	2.97
4	2.91	2.85	8.97	6.36	5.88	11.68	12.53	5.58	5.54	3.07	3.10	2.98
5	2.89	2.84	8.35	5.42	6.81	10.29	11.40	7.20	4.63	3.05	3.08	3.17
6	2.88	2.85	5.54	9.60	9.83	6.47	---	5.72	5.57	3.07	3.06	3.15
7	2.99	2.89	7.53	13.16	11.69	5.69	---	4.86	8.46	3.35	3.04	3.08
8	3.09	2.90	8.19	12.49	10.64	5.39	---	4.49	7.12	3.31	3.02	3.04
9	2.97	2.94	7.28	9.62	7.23	5.20	---	4.26	4.94	3.56	3.01	3.01
10	2.92	2.97	5.62	5.96	5.90	5.29	---	4.11	4.34	3.46	3.01	2.99
11	2.89	2.94	4.66	5.42	5.52	7.56	---	4.00	4.04	3.25	3.01	2.96
12	2.87	2.92	4.27	5.12	5.30	7.04	---	3.92	3.25	3.19	3.04	2.95
13	2.85	2.91	4.06	4.93	5.15	5.77	---	3.89	3.71	4.13	3.09	2.93
14	2.83	2.95	3.91	4.73	5.05	5.29	---	3.88	3.62	3.76	3.08	2.92
15	2.81	3.00	3.82	4.53	4.95	5.00	---	3.78	3.55	3.40	3.05	2.91
16	2.82	3.01	3.76	4.42	4.82	6.87	---	3.69	3.50	3.63	3.31	2.89
17	2.82	3.04	3.71	4.39	4.83	10.57	---	3.63	3.46	4.18	3.16	2.94
18	2.81	3.04	3.65	4.37	7.58	9.22	4.14	3.58	3.42	3.52	3.09	3.15
19	2.81	3.02	3.59	9.97	7.57	6.62	5.07	3.53	3.40	3.42	3.06	3.61
20	2.81	3.12	3.55	17.16	6.24	9.44	8.65	3.49	3.38	3.37	3.01	6.13
21	2.81	3.14	3.53	18.09	5.95	9.80	8.63	3.47	3.38	3.45	3.04	6.64
22	2.80	3.23	3.48	12.48	5.73	8.82	9.04	3.52	3.33	4.32	3.04	4.74
23	2.81	3.17	3.41	7.34	8.95	11.05	9.52	3.80	3.28	3.73	3.07	3.89
24	2.82	3.08	---	6.08	14.61	9.63	8.05	3.79	3.25	3.41	3.04	3.58
25	2.83	3.04	---	5.65	16.10	6.45	5.95	3.67	3.22	3.31	3.12	3.42
26	2.89	3.14	---	5.49	11.43	5.64	5.23	3.51	3.18	4.43	3.22	3.32
27	2.96	3.80	---	6.27	6.87	5.30	4.88	3.43	3.17	5.39	3.22	3.26
28	2.93	4.07	---	6.28	6.06	5.09	4.67	3.39	3.15	4.25	3.09	3.22
29	2.97	3.74	---	5.49	---	4.94	4.54	3.44	3.14	3.71	3.08	3.19
30	2.93	3.69	---	6.09	---	4.83	4.48	4.53	3.12	3.45	3.06	3.17
31	2.89	---	---	8.47	---	4.79	---	6.44	---	3.32	3.03	---
MEAN	2.89	3.10	---	---	7.48	7.12	---	4.19	4.32	3.57	3.09	3.41
MAX	3.09	4.07	8.97	18.09	16.10	11.68	12.53	7.20	8.46	5.39	3.31	6.64
MIN	2.80	2.84	---	---	4.82	4.79	4.14	3.39	3.12	3.05	3.01	2.89

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, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi (2.9 km) upstream from mouth and 7.3 mi (11.8 km) south of Toro.

DRAINAGE AREA.--205 mi² (531 km²), revised.

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 106.30 ft (32.400 m) Apr. 10, 1968; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 104.02 ft (31.705 m) Mar. 5; minimum observed, 91.74 ft (27.962 m) Nov. 8 but may have been less during periods below lowest recordable elevation.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.80	---	92.13	97.55	99.36	94.07	---	95.55	95.75	91.87	91.94	---
2	91.80	---	92.12	96.62	98.96	97.73	93.38	94.78	95.99	91.86	91.90	---
3	91.81	---	92.01	96.07	98.80	99.28	98.97	94.15	96.08	91.85	91.87	---
4	91.81	---	94.85	93.92	98.92	101.22	99.18	93.82	95.80	91.84	91.84	---
5	91.80	---	94.44	92.94	99.07	103.85	98.08	93.70	98.70	91.83	91.82	91.88
6	91.80	91.80	93.25	94.60	99.58	103.68	99.41	94.15	99.00	91.82	91.81	91.92
7	91.80	91.80	94.41	97.74	101.26	99.83	99.30	94.15	99.77	91.82	91.80	91.81
8	---	91.80	94.09	96.55	100.08	99.27	99.21	94.13	99.72	91.94	---	---
9	91.81	91.80	93.95	96.00	99.83	99.29	98.88	96.92	99.22	92.05	---	---
10	91.80	91.80	93.21	93.33	99.00	95.94	99.12	97.69	95.72	92.03	---	---
11	91.80	91.80	92.69	92.97	98.82	96.20	99.14	97.75	98.59	91.99	---	---
12	91.80	91.80	92.49	92.82	98.77	96.30	99.17	98.07	98.58	91.90	---	---
13	91.80	91.80	92.37	92.73	98.70	95.93	99.09	99.00	98.57	91.90	---	---
14	91.80	91.80	92.31	92.65	94.61	95.34	99.10	99.01	98.55	92.32	91.81	---
15	91.80	91.80	92.25	92.57	94.07	95.60	99.04	99.07	98.55	92.10	91.80	---
16	91.80	91.80	92.21	92.52	93.92	95.36	99.05	95.90	95.84	91.98	91.84	---
17	---	91.80	92.18	92.49	93.91	97.65	96.00	95.74	95.58	92.39	91.93	---
18	---	91.80	92.16	92.48	94.73	97.35	95.81	95.14	---	92.15	91.84	91.97
19	---	91.80	92.14	92.59	95.05	96.46	95.57	94.59	---	92.03	91.82	92.24
20	---	91.86	92.11	99.23	94.53	97.18	97.15	94.36	93.78	92.07	---	94.03
21	---	91.84	92.08	100.25	94.20	97.68	96.82	94.22	94.04	92.02	---	93.37
22	---	91.83	92.06	100.68	93.96	96.77	97.08	94.22	92.01	92.03	---	92.82
23	---	91.88	92.05	98.90	94.47	98.33	97.32	93.58	91.98	92.28	---	92.32
24	---	91.85	92.03	101.33	99.22	97.37	96.76	---	91.95	92.06	---	92.13
25	---	91.81	92.00	102.52	99.02	96.40	96.11	93.55	91.93	91.99	---	92.03
26	---	91.80	91.98	102.67	97.84	96.00	95.74	93.87	92.04	92.05	91.81	93.73
27	---	92.13	91.97	102.85	95.28	93.57	95.63	93.89	91.92	93.07	91.90	93.93
28	---	92.17	91.96	102.89	94.24	93.08	95.60	93.43	91.90	92.54	91.85	91.89
29	---	92.25	91.95	102.79	---	---	95.57	---	91.88	92.22	91.80	91.87
30	---	92.22	92.53	99.52	---	---	95.56	---	91.87	92.08	---	91.85
31	---	---	93.68	99.51	---	---	---	95.61	---	91.99	---	---
MEAN	---	---	92.63	96.85	97.15	---	---	---	---	92.07	---	---
MAX	---	---	94.85	102.89	101.26	---	---	---	---	93.07	---	---
MIN	---	---	91.95	92.48	93.91	---	---	---	---	91.82	---	---

NOTE.--Below lowest recordable elevation of 91.80 ft Oct. 16, Oct. 17-Nov. 5, Aug. 8, 13, 20, 29, Aug. 29-Sept. 4, 8-17.

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft (61 m) downstream from Pearl Creek, 10 mi (16 km) northeast of Burkeville, 16 mi (26 km) downstream from Bayou Toro, and at mile 139.7 (224.8 km).

DRAINAGE AREA.--7,482 mi² (19,378 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for 1955-75.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 70.59 ft (21.516 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records fair. Flow regulated by Toledo Bend Reservoir (station 08025350) 16.8 mi (27.0 km) upstream, capacity, 4,660,000 acre-ft (5.75 km³).

AVERAGE DISCHARGE.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft³/s (131.8 m³/s), 3,371,000 acre-ft/yr (4.16 km³/yr); 13 years (water years 1967-79) regulated, 5,210 ft³/s (147.5 m³/s), 3,775,000 acre-ft/yr (4.65 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft³/s (2,280 m³/s) Jan. 29, 1974, gage height, 34.20 ft (10.424 m); minimum daily, 38 ft³/s (1.08 m³/s) Sept. 14, 15, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1860, 35.9 ft (10.94 m) in May 1884, from information by local resident. Flood of Apr. 15, 1945, reached a stage of 35.8 ft (10.91 m), and flood of May 23, 1953, reached a stage of 35.3 ft (10.76 m), from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,800 ft³/s (844 m³/s) Mar. 6, gage height, 25.40 ft (7.742 m); minimum daily, 93 ft³/s (2.63 m³/s) Nov. 13.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	116	235	3370	22900	15900	10200	16900	17300	299	4360	4330
2	118	116	192	5480	22500	20300	11000	9190	17700	1770	4360	2440
3	112	529	210	5670	22300	23200	20500	7960	17800	4090	4370	2110
4	109	1470	2150	5790	22400	26200	21900	8170	18200	4150	4320	4010
5	2690	159	3470	7140	22700	29100	20800	8430	21600	3760	2360	3870
6	1990	1450	3050	8170	23900	28900	22900	14500	22600	4010	2180	3850
7	182	828	3600	10700	25200	24800	23200	14900	23500	4340	4120	3770
8	151	133	3280	4530	23900	23400	23100	15500	23400	2430	4200	3750
9	143	103	2420	8710	23500	22000	22700	19000	22700	2410	4290	1950
10	129	102	800	7670	22500	18400	22900	20100	18700	4360	4310	1970
11	125	98	2280	7240	22200	18200	22900	20300	18700	4230	4300	3470
12	123	95	3940	7160	22100	18400	23000	21000	18800	4390	2440	3760
13	120	93	3890	7080	20600	17900	22900	22500	18700	4230	2200	3720
14	112	105	3800	6940	15800	17200	22800	22700	18700	4280	4300	3580
15	110	96	4340	6850	14900	17200	22700	22000	19000	2390	4350	3600
16	110	131	4860	6980	14700	17400	21700	18200	17800	2390	4350	1900
17	109	127	4900	7410	14700	19300	18400	17400	16300	4360	4350	1950
18	131	116	3250	9180	15700	19200	17700	16100	8470	4500	4350	4030
19	116	125	3710	8990	15700	18300	17500	15100	10700	4010	2400	5260
20	121	149	2840	14700	15200	19500	18800	15000	14000	4210	2200	5760
21	118	141	2540	16400	14700	19700	19300	14900	14500	4230	4000	2560
22	120	131	3040	21900	14900	18700	19600	15000	7840	2610	3980	709
23	118	123	822	21600	16100	19500	19500	8860	7880	2020	3960	396
24	109	103	267	24600	19000	18900	19000	7770	7430	4170	3930	2070
25	110	114	232	26700	19000	18200	18300	13600	7260	2730	3970	7210
26	127	151	224	27400	18400	17600	17700	14500	3540	642	2250	14400
27	127	276	216	27800	16300	9150	17500	14400	614	2780	2210	14800
28	103	203	215	27800	15000	4280	17400	8420	410	4220	4190	8170
29	112	251	229	27500	---	1170	17400	7760	347	2760	4570	7760
30	112	293	410	24300	---	6620	17400	8470	311	2230	3930	6000
31	109	---	903	23400	---	10100	---	16700	---	4260	4320	---
TOTAL	8187	7927	66315	424160	536800	558720	590700	455330	414802	103261	115420	133155
MEAN	264	264	2139	13680	19170	18020	19690	14690	13830	3331	3723	4439
MAX	2690	1470	4900	27800	25200	29100	23200	22700	23500	4500	4570	14800
MIN	103	93	192	3370	14700	1170	10200	7760	311	299	2180	396
AC-FT	16240	15720	131500	841300	1065000	1108000	1172000	903100	822800	204800	228900	264100
CAL YR 1978	TOTAL	721260	MEAN	1976	MAX	9000	MIN	93	AC-FT	1431000		
WTR YR 1979	TOTAL	3414777	MEAN	9356	MAX	29100	MIN	93	AC-FT	6773000		

SABINE RIVER BASIN

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08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	2.55	3.23	8.04	21.98	18.15	14.42	18.73	19.01	3.63	---	9.56
2	2.76	2.55	3.07	10.38	21.76	20.59	14.97	13.65	19.18	5.65	---	7.21
3	2.73	4.21	3.14	10.58	21.66	22.11	20.73	12.60	19.28	9.29	---	6.18
4	2.71	5.87	6.56	10.24	21.71	23.60	21.43	12.76	19.49	9.38	---	9.23
5	6.51	2.90	8.55	11.97	21.84	25.07	20.88	12.98	21.22	8.95	---	9.06
6	6.60	5.18	8.03	12.84	22.46	24.96	21.97	17.34	21.73	9.20	---	9.04
7	3.01	4.75	8.70	14.83	23.08	22.92	22.12	17.59	22.16	9.59	---	8.94
8	2.71	2.83	8.32	13.94	22.44	22.12	22.06	17.93	22.10	7.25	---	8.93
9	2.69	2.66	7.22	13.30	22.25	21.04	21.85	19.85	21.79	6.68	---	6.56
10	2.62	2.62	4.73	12.43	21.75	19.22	21.94	20.42	19.71	9.59	---	5.99
11	2.60	2.60	6.62	12.06	21.61	18.87	21.98	20.50	19.74	9.45	---	8.59
12	2.59	2.58	8.92	11.99	21.57	18.90	21.99	20.83	19.78	9.62	---	8.92
13	2.57	2.57	8.87	11.92	20.76	19.01	21.95	21.59	19.75	9.46	---	8.90
14	2.53	2.64	8.76	11.79	18.07	18.57	21.93	21.71	19.74	9.50	---	8.72
15	2.52	2.58	9.30	11.72	17.57	17.70	21.87	21.34	19.93	7.19	---	8.75
16	2.52	2.77	9.85	11.83	17.44	17.09	21.34	19.41	19.28	6.64	---	6.48
17	2.51	2.75	9.88	12.18	17.45	18.26	19.56	18.97	18.42	9.57	---	5.89
18	2.63	2.70	7.98	13.64	18.03	18.69	19.20	18.22	13.10	9.75	---	9.27
19	2.55	2.75	8.58	13.46	18.02	18.54	19.06	17.67	14.87	9.20	---	10.47
20	2.58	2.86	7.47	17.41	17.77	18.41	19.76	17.59	17.08	9.43	---	11.17
21	2.56	2.83	6.99	18.41	17.49	17.97	20.03	17.53	17.40	9.45	8.87	7.53
22	2.57	2.77	7.68	21.45	17.55	17.92	20.18	17.63	12.62	7.47	9.18	4.73
23	2.55	2.73	4.34	21.28	18.24	17.67	20.16	13.35	12.76	4.41	9.17	3.93
24	2.51	2.63	3.02	22.82	19.90	17.05	19.85	12.50	12.46	---	9.12	6.05
25	2.52	2.69	2.89	23.89	19.94	16.65	19.50	16.86	12.41	---	9.17	11.93
26	2.61	2.87	2.86	24.21	19.55	16.99	19.19	17.38	8.54	---	6.98	17.07
27	2.61	3.40	2.82	24.40	18.35	13.44	19.07	17.37	4.51	---	6.30	17.29
28	2.48	3.11	2.82	24.45	17.63	8.94	19.04	13.07	3.98	---	9.41	12.71
29	2.53	3.30	2.88	24.26	---	5.16	19.01	12.48	3.79	---	9.85	12.43
30	2.53	3.46	3.46	22.67	---	10.70	19.00	12.92	3.67	---	9.08	10.93
31	2.51	---	4.64	22.19	---	14.35	---	18.68	---	---	9.55	---
MEAN	2.86	3.09	6.20	16.02	19.92	18.09	20.20	17.14	15.98	---	---	9.08
MAX	6.60	5.87	9.88	24.45	23.08	25.07	22.12	21.71	22.16	---	---	17.29
MIN	2.48	2.55	2.42	8.04	17.44	5.16	14.42	12.48	3.67	---	---	3.93

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: May 1968 to current year.

WATER TEMPERATURES: May 1968 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1979 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L CaCO3)
OCT 11...	0840	180	6.8	20.0	30	8.0	8.8	100	.7	43	0
DEC 14...	1515	200	7.0	12.5	10	8.0	--	--	1.3	41	9
MAR 01...	1215	220	7.4	10.0	30	5.0	11.1	102	1.2	44	17
APR 18...	1340	182	7.0	16.5	35	6.5	8.6	91	1.4	39	16
JUN 20...	1700	--	--	25.5	20	--	5.0	62	.1	--	--
AUG 22...	1310	--	--	28.0	20	--	5.7	73	1.0	--	--

[illegible][illegible]

SABINE RIVER BASIN

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08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)
OCT								
11...	.02	.00	.02	.02	--	.25	.27	.29
DEC								
14...	.01	.01	.02	.02	--	.40	.42	.44
MAR								
01...	.13	.00	.13	.04	--	.31	.35	.48
APR								
18...	.16	.00	.16	.02	.02	.36	.38	.54
JUN								
20...	.05	.02	.07	.03	.04	.29	.32	.39
AUG								
22...	.00	.02	.01	.01	.01	.30	.31	.32

DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT									
11...	1.3	.03	--	--	1	100	0	0	0
DEC									
14...	1.9	.02	--	--	1	50	2	0	1
MAR									
01...	2.1	.02	--	--	0	100	1	0	0
APR									
18...	2.4	.01	.03	.03	--	--	--	--	--
JUN									
20...	1.7	.03	--	.09	--	--	--	--	--
AUG									
22...	1.4	.03	--	.09	--	--	--	--	--

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
11...	290	0	110	.0	0	0	0	4.5
DEC								
14...	20	1	180	.0	0	0	9	5.5
MAR								
01...	10	0	10	.6	0	0	30	6.0
APR								
18...	--	--	--	--	--	--	--	8.3
JUN								
20...	--	--	--	--	--	--	--	8.2
AUG								
22...	--	--	--	--	--	--	--	7.5

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi (7.7 km) northwest of Rosepine.

DRAINAGE AREA.--365 mi² (945 km²).

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 (35.994 m) 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 or 50.9 hm³) except January 1956 to September 1958 and Vernon Lake (usable capacity 58,000 acre-ft or 71.5 hm³) since May 1963. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--28 years, 434 ft³/s (12.29 m³/s), 16.15 in/yr (410 mm/yr), 314,400 acre-ft/yr (388 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft³/s (1,820 m³/s) May 19, 1953, gage height, 28.38 ft (8.650 m); minimum, 5.5 ft³/s (0.16 m³/s) Sept. 30, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,170 ft³/s (118 m³/s) Apr. 6, gage height, 19.20 ft (5.852 m); minimum discharge, 8.0 ft³/s (0.23 m³/s) Oct. 17, 18, 19, 21, 22, 23, gage height, 2.82 ft (0.860 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	29	12	200	1560	1250	1040	362	320	2040	35	147	43		
2	26	12	158	2360	921	851	404	289	1480	32	125	37		
3	22	12	131	2410	769	1440	1670	289	870	28	111	37		
4	19	11	261	2170	771	1600	2990	460	691	26	96	47		
5	20	11	409	1440	1030	1170	3790	635	544	28	81	41		
6	18	19	440	1190	1860	847	4050	524	498	26	70	107		
7	18	26	435	2470	2990	676	2770	415	498	24	69	67		
8	17	26	683	3110	3310	564	1380	346	517	26	71	47		
9	16	19	949	3210	2950	473	928	295	495	40	55	41		
10	16	16	896	2410	1580	434	723	247	424	184	64	35		
11	14	16	668	1290	998	687	570	210	352	152	70	28		
12	13	15	489	869	774	759	506	182	256	78	63	26		
13	13	15	369	655	641	616	515	164	187	360	58	24		
14	12	15	293	533	549	516	476	139	147	203	49	21		
15	10	15	229	434	475	435	383	126	126	491	57	19		
16	11	16	192	354	433	475	311	114	100	144	62	18		
17	8.8	16	174	309	428	923	250	95	80	129	51	48		
18	8.0	16	145	292	1180	1180	213	80	70	260	43	195		
19	8.8	16	126	637	1420	1030	194	70	65	132	48	129		
20	8.8	29	116	2090	1030	1820	750	65	60	133	58	1840		
21	8.8	36	114	2420	807	2890	1760	75	55	118	54	2820		
22	8.0	34	108	2220	971	2790	1910	119	50	131	46	2650		
23	8.0	26	97	1660	1520	2790	2210	148	45	107	59	1550		
24	8.8	23	89	1160	2910	2320	2080	129	40	96	70	780		
25	9.6	20	83	865	3520	1500	1460	112	45	125	88	531		
26	19	31	75	763	3750	1010	986	90	157	731	81	386		
27	25	114	76	1140	3030	757	739	75	115	1710	80	286		
28	19	89	67	1050	1650	611	570	65	85	750	63	217		
29	16	116	58	767	---	508	458	130	65	353	79	170		
30	13	262	110	760	---	429	389	759	45	250	67	138		
31	12	---	449	1250	---	383	---	2440	---	186	54	---		
TOTAL	455.6	1084	8689	43848	43517	33524	35797	9207	10202	7088	2189	12378		
MEAN	14.7	36.1	280	1414	1554	1081	1193	297	340	229	70.6	413		
MAX	29	262	949	3210	3750	2890	4050	2440	2040	1710	147	2820		
MIN	8.0	11	58	292	428	383	194	65	40	24	43	18		
CFSM	.04	.10	.77	3.87	4.26	2.96	3.27	.81	.93	.63	.19	1.13		
IN.	.05	.11	.89	4.47	4.44	3.42	3.65	.94	1.04	.72	.22	1.26		
AC-FT	904	2150	17230	86970	86320	66490	71000	18260	20240	14060	4340	24550		
CAL YR 1978	TOTAL	93113.5	MEAN	255	MAX	3300	MIN	8.0	CFSM	.70	IN	9.49	AC-FT	184700
WTR YR 1979	TOTAL	207978.6	MEAN	570	MAX	4050	MIN	8.0	CFSM	1.56	IN	21.20	AC-FT	412500

SABINE RIVER BASIN

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08028000 BAYOU ANACOCO NEAR ROSELINE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	2.86	4.43	11.11	9.81	8.88	5.47	5.22	13.20	---	4.15	3.24
2	3.02	2.86	4.15	14.54	8.31	7.98	5.70	5.04	10.80	---	3.97	3.18
3	2.98	2.86	3.96	14.75	7.58	10.64	11.60	5.04	8.07	---	3.85	3.18
4	2.95	2.85	4.81	13.76	7.60	11.32	16.58	5.99	7.20	---	3.72	3.27
5	2.96	2.85	5.73	10.64	8.80	9.46	18.47	6.93	6.46	---	3.58	3.22
6	2.94	2.94	5.91	9.54	12.43	7.96	18.81	6.36	6.22	---	3.49	3.81
7	2.94	3.02	5.88	14.85	16.58	7.13	15.79	5.77	6.22	---	3.48	3.46
8	2.93	3.01	7.16	16.91	17.42	6.57	10.37	5.37	6.32	---	3.49	3.28
9	2.91	2.94	8.45	17.16	16.39	6.09	8.35	5.08	6.21	---	3.36	3.21
10	2.90	2.90	8.19	14.62	11.23	5.87	7.36	4.78	5.82	4.33	3.43	3.16
11	2.89	2.89	7.09	9.98	8.67	7.18	6.60	4.54	5.40	4.12	3.49	3.09
12	2.88	2.89	6.17	8.06	7.61	7.53	6.27	4.34	4.84	3.52	3.42	3.06
13	2.88	2.89	5.50	7.03	6.95	6.83	6.31	4.22	4.38	5.40	3.38	3.04
14	2.87	2.89	5.06	6.41	6.49	6.32	6.10	4.04	4.10	4.48	3.29	3.01
15	2.85	2.89	4.67	5.87	6.10	5.88	5.58	3.93	3.93	6.16	3.37	2.99
16	2.86	2.90	4.42	5.42	5.87	6.09	5.17	3.82	---	4.06	3.42	2.98
17	2.83	2.91	4.29	5.16	5.84	8.31	4.80	---	---	3.93	3.32	3.25
18	2.82	2.90	4.08	5.06	9.44	9.50	4.56	---	---	4.85	3.24	4.47
19	2.83	2.91	3.92	6.79	10.51	8.84	4.43	---	---	3.97	3.28	3.99
20	2.83	3.05	3.85	13.39	8.81	12.24	7.34	---	---	3.99	3.38	12.17
21	2.83	3.12	3.83	14.80	7.76	16.31	12.00	---	---	3.86	3.35	16.15
22	2.82	3.10	3.77	13.98	8.52	16.05	12.66	3.86	---	3.97	3.27	15.62
23	2.82	3.01	3.68	11.58	10.97	16.07	13.93	4.10	---	3.76	3.39	11.09
24	2.83	2.97	3.61	9.39	16.29	14.39	13.36	3.96	---	3.66	3.48	7.64
25	2.84	2.95	3.55	8.04	17.95	10.87	10.71	3.81	---	3.91	3.64	6.40
26	2.95	3.07	3.48	7.55	18.51	8.71	8.61	---	4.16	7.23	3.59	5.60
27	3.01	3.82	3.49	9.34	16.61	7.53	7.44	---	---	11.80	3.57	5.04
28	2.95	3.60	3.41	8.90	11.54	6.80	6.60	---	---	7.46	3.42	4.62
29	2.91	3.82	3.33	7.57	---	6.27	6.01	3.94	---	5.42	3.57	4.30
30	2.88	4.85	3.78	7.53	---	5.85	5.62	7.28	---	4.83	3.46	4.08
31	2.87	---	5.92	9.78	---	5.58	---	14.89	---	4.41	3.34	---
MEAN	2.90	3.08	4.82	10.31	10.74	8.87	9.09	---	---	---	3.49	5.19
MAX	3.06	4.85	8.45	17.16	18.51	16.31	18.81	14.89	13.20	11.80	4.15	16.15
MIN	2.82	2.85	3.33	5.06	5.84	5.58	4.43	---	---	---	3.24	2.98

SABINE RIVER BASIN

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) upstream from Quicksand Creek, 0.8 mi (1.3 km) upstream from Guif, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi (3.2 km) east of Bon Wier, 2.4 mi (3.9 km) upstream from Caney Creek, and at mile 97.7 (157.2 km).

DRAINAGE AREA.--8,229 mi² (21,313 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year.--Monthly discharge only for some periods, published in WSP 1312. Gage-height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953. WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.42 ft (13.234 m) National Geodetic Vertical Datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi (1.3 km) downstream at datum 3.00 ft (0.914 m) higher. July 8, 1931, to Oct. 15, 1958, nonrecording gage at site 0.8 mi (1.3 km) downstream at datum 3.00 ft (0.914 m) higher. July 8, 1931, to Oct. 15, 1958, nonrecording gage at present site at datum 3.00 ft (0.914 m) higher. Oct. 16, 1958, to Sept. 30, 1975, water-stage recorder at present site at datum 3.00 ft (0.914 m) higher.

REMARKS.--Water-discharge records fair. Flow regulated by Toledo Bend Reservoir (station 08025350) located 58.8 mi (94.6 km) upstream. Gage-height telemeter at station maintained by the National Weather Service.

AVERAGE DISCHARGE.--43 years (water years 1924-66) prior to completion of Toledo Bend Reservoir, 6,846 ft³/s (193.9 m³/s), 4,960,000 acre-ft/yr (6.12 km³/yr); 13 years (water years 1967-79) regulated, 6,204 ft³/s (175.7 m³/s), 4,495,000 acre-ft/yr (5.54 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 115,000 ft³/s (3,260 m³/s) May 19, 1953, gage height, 28.70 ft (8.748 m); minimum daily, 134 ft³/s (3.79 m³/s) Nov. 9, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, 33.5 ft (10.21 m) Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 29 ft (8.8 m). Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information by local residents. All flood data referenced to current datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,100 ft³/s (852 m³/s) Mar. 6, gage height, 21.85 ft (6.660 m); minimum daily, 307 ft³/s (8.69 m³/s) Oct. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	701	362	1240	3280	25100	17600	10400	17500	21000	915	4960	4790
2	611	365	978	7540	24300	18200	10600	14800	20500	828	5000	4870
3	571	362	834	8110	23700	21800	15600	9790	19900	2920	4900	2590
4	539	1160	983	7710	23500	25300	24400	8710	19100	4610	4850	3090
5	516	1760	3360	8130	24000	27700	25800	9210	19700	4640	4790	4330
6	2420	562	4230	8720	25800	29500	25000	11200	21800	4340	2460	4310
7	2120	1670	4600	13100	29100	29600	26000	14500	23100	4680	3130	4350
8	724	1400	5190	14600	29400	26600	26000	14900	23700	4950	4510	4280
9	438	555	4560	12600	28200	24500	24500	16100	23500	2490	4650	4160
10	399	390	3430	11300	27100	22200	23500	18500	22400	3920	4720	2090
11	380	350	2320	9710	25100	19700	23200	19500	19400	5070	4710	2690
12	368	333	3610	8340	23800	19400	23000	19700	18800	4960	4740	3830
13	362	333	4440	7840	23300	19000	23000	20500	18600	5050	2450	4120
14	347	359	4300	7490	20800	18300	22700	21600	18500	5170	3210	4070
15	341	522	4170	7210	17200	17500	22500	22000	18400	5990	4630	3980
16	327	507	4810	7130	15900	17500	22300	21200	18500	3300	4680	4010
17	316	458	5050	7110	15500	18100	20900	18400	17500	3840	4670	2110
18	307	452	4980	7930	16700	19800	18700	17300	13900	5420	4600	3380
19	316	445	3370	9710	18500	20200	17700	16100	9940	5840	4580	5180
20	338	486	3480	14600	17900	21700	19400	15100	11700	5330	2340	9850
21	344	540	3010	19000	16800	25800	23900	14800	13900	5040	3040	12700
22	347	522	2810	20600	16300	25700	24500	14900	12200	5030	4290	7380
23	338	486	3080	23300	17500	25500	23500	13700	8510	2920	4440	4740
24	333	458	1400	23300	20800	24600	22400	9410	8170	3260	4360	3050
25	316	425	704	25100	23600	22700	21300	9530	7950	4800	4320	4370
26	336	432	575	27100	23500	20600	19800	13500	7850	3530	4420	10200
27	350	664	533	28500	22400	16500	18700	14200	3370	4040	2380	14900
28	365	973	508	29200	20200	10500	18100	12600	1480	5870	3170	13200
29	347	917	502	29100	---	4960	17800	8920	1160	5700	4630	8980
30	338	1220	580	28400	---	2750	17700	9060	1010	3160	4940	8340
31	338	---	1100	26400	---	8550	---	16300	---	3490	4600	---
TOTAL	16593	19768	84737	462160	616000	622360	632900	463530	445540	131103	129170	169940
MEAN	535	659	2733	14910	22000	20080	21100	14950	14850	4229	4167	5665
MAX	2420	1760	5190	29200	29400	29600	26000	22000	23700	5990	5000	14900
MIN	307	333	502	3280	15500	2750	10400	8710	1010	828	2340	2090
AC-FT	32910	39210	168100	916700	1222000	1234000	1255000	919400	883700	260000	256200	337100
CAL YR 1978	TOTAL	999165	MEAN	2710	MAX	11200	MIN	307	AC-FT	1962000		
WTR YR 1979	TOTAL	3793801	MEAN	10390	MAX	29600	MIN	307	AC-FT	7525000		

SABINE RIVER BASIN

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08028500 SABINE RIVER NEAR BON WIER, TX--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.32	2.64	4.49	7.13	20.27	17.25	13.27	17.35	18.90	3.78	8.78	8.41
2	3.10	2.65	4.10	11.08	19.99	17.50	13.39	15.91	18.68	3.60	8.81	8.49
3	3.00	2.64	3.81	11.54	19.76	19.07	16.25	12.79	18.42	6.37	8.72	5.99
4	2.92	3.97	4.09	11.22	19.71	20.33	20.15	12.00	18.08	8.43	8.67	6.46
5	2.85	4.99	7.09	11.56	19.87	21.12	20.66	12.38	18.34	8.47	8.61	7.96
6	6.20	3.46	8.07	12.01	20.51	21.67	20.38	13.73	19.24	8.17	6.03	7.94
7	5.63	4.70	8.41	14.94	21.55	21.68	20.72	15.80	19.72	8.50	6.72	7.98
8	3.45	4.62	9.01	15.89	21.65	20.81	20.74	16.05	19.93	8.77	8.33	7.91
9	2.88	3.25	8.40	14.68	21.28	20.13	20.22	16.67	19.85	6.11	8.48	7.79
10	2.76	2.88	7.23	13.89	20.93	19.32	19.85	17.82	19.46	7.61	8.55	5.37
11	2.70	2.75	5.98	12.74	20.27	18.33	19.74	18.27	18.21	8.88	8.54	6.00
12	2.66	2.69	7.39	11.72	19.82	18.21	19.68	18.34	17.95	8.78	8.57	7.46
13	2.64	2.69	8.28	11.32	19.62	18.02	19.66	18.69	17.87	8.86	6.02	7.75
14	2.59	2.78	8.14	11.04	18.64	17.71	19.55	19.16	17.79	8.98	6.80	7.71
15	2.57	3.16	8.01	10.81	17.03	17.32	19.48	19.32	17.74	9.73	8.45	7.61
16	2.52	3.13	8.63	10.74	16.39	17.34	19.41	18.97	17.79	7.03	8.50	7.64
17	2.48	2.99	8.87	10.73	16.20	17.64	18.88	17.76	17.35	7.57	8.50	5.40
18	2.45	2.97	8.81	11.36	16.81	18.40	17.94	17.25	15.34	9.21	8.43	6.72
19	2.48	2.95	7.28	12.70	17.66	18.58	---	16.63	12.91	9.60	8.41	8.69
20	2.56	3.07	7.39	15.69	17.37	19.17	---	16.16	14.09	9.13	5.88	12.16
21	2.58	3.22	6.89	17.93	16.86	20.66	---	15.99	15.47	8.86	6.60	14.27
22	2.59	3.17	6.66	18.59	16.63	20.63	---	16.03	14.38	8.84	8.12	10.41
23	2.56	3.07	6.06	19.62	17.19	20.56	---	15.32	11.84	6.60	8.24	8.07
24	2.54	2.99	4.90	19.62	18.64	20.26	---	12.53	11.58	6.89	8.14	6.33
25	2.48	2.89	3.77	20.29	19.75	19.57	18.11	12.56	11.41	8.62	8.11	7.52
26	2.54	2.91	3.46	20.94	19.70	18.72	18.40	15.24	11.32	7.34	8.15	12.27
27	2.60	3.51	3.35	21.38	19.31	16.78	17.90	15.65	7.11	7.88	5.84	15.24
28	2.65	4.08	3.28	21.57	18.40	13.31	17.62	14.62	4.79	9.61	6.61	14.29
29	2.59	3.98	3.26	21.55	---	8.74	17.47	12.16	4.24	9.48	8.28	11.60
30	2.56	4.46	3.47	21.34	---	6.49	17.42	12.25	3.97	6.88	8.56	11.21
31	2.56	---	4.42	20.72	---	11.82	---	16.60	---	7.17	8.22	---
MEAN	2.90	3.31	6.25	15.04	18.99	17.97	---	15.81	15.13	7.93	7.89	8.76
MAX	6.20	4.99	9.01	21.57	21.65	21.68	---	19.32	19.93	9.73	8.81	15.24
MIN	2.45	2.64	3.26	7.13	16.20	6.49	---	12.00	3.97	3.60	5.84	5.37

SABINE RIVER BASIN

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1970 to current year.

WATER TEMPERATURES: January 1970 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1979 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT						
07...	0950	231	20.5	20	30	34
14...	1115	298	26.0	100	53	34
21...	1000	230	20.0	80	33	27
28...	0900	243	19.5	140	30	28
NOV						
07...	0945	249	19.0	60	32	33
14...	1245	231	21.0	70	30	27
21...	0845	217	16.5	140	23	24
21...	1455	174	16.0	60	17	23
DEC						
02...	0900	297	16.0	140	42	28
08...	1020	197	16.0	70	18	28
15...	0915	212	12.5	40	15	32
22...	1350	213	13.0	40	14	32
JAN						
07...	0900	154	9.0	70	20	20
14...	1120	197	7.0	40	24	29
21...	1105	148	12.0	100	18	20
28...	1115	200	8.0	40	19	--
FEB						
07...	1700	175	--	60	16	27
14...	1200	208	--	60	22	31
21...	1500	206	11.0	40	23	31
28...	1800	191	10.0	40	19	29
MAR						
08...	1500	217	13.0	50	19	30
15...	1445	219	14.0	50	21	33
22...	0830	172	15.0	70	18	26
28...	1800	197	16.0	60	18	30
APR						
07...	0900	170	17.0	60	20	30
14...	0950	191	18.0	60	24	26
21...	1015	156	16.0	70	18	23
28...	0900	160	--	60	13	24
MAY						
07...	1630	--	--	--	20	19
14...	0700	--	--	--	18	19
21...	1730	--	--	--	18	19
28...	1615	--	--	--	18	19
JUN						
01...	0630	131	24.0	30	--	--
02...	1340	136	24.0	40	--	--
03...	0900	142	24.0	40	--	--
04...	0920	145	25.0	30	--	--
05...	0945	145	24.5	30	--	--
06...	0835	146	24.0	30	--	--
07...	0905	148	24.0	40	17	20

SABINE RIVER BASIN

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08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
JUN						
08...	1345	148	24.0	30	--	--
09...	1640	153	26.0	30	--	--
10...	1100	151	26.0	30	--	--
11...	0750	149	25.0	35	--	--
12...	1115	152	25.0	40	--	--
13...	0855	152	25.0	30	--	--
14...	0805	154	25.0	30	18	21
15...	1440	156	27.0	30	--	--
16...	1110	156	27.0	30	--	--
17...	1950	157	27.0	25	--	--
18...	0820	160	26.0	30	--	--
19...	1100	154	27.0	30	--	--
20...	0900	162	26.0	30	--	--
21...	0910	157	25.0	25	18	22
22...	0905	157	26.0	30	--	--
23...	1340	157	27.0	30	--	--
24...	1035	157	28.0	25	--	--
25...	1150	160	28.0	30	--	--
26...	1100	161	27.0	20	--	--
27...	0800	182	27.0	35	--	--
28...	0715	214	28.5	60	28	23
29...	2115	240	28.0	70	--	--
30...	1710	205	31.0	50	--	--
JUL						
01...	0915	213	29.0	40	--	--
02...	1830	216	31.0	25	--	--
04...	1515	162	29.5	15	--	--
05...	1815	165	28.0	30	--	--
06...	1840	160	28.0	35	--	--
07...	1420	156	28.0	30	24	22
08...	1700	156	28.0	25	--	--
09...	1825	207	26.0	15	--	--
10...	1940	159	28.0	50	--	--
11...	1815	160	28.0	35	--	--
12...	1430	164	28.0	20	--	--
13...	1830	171	28.5	30	--	--
14...	1040	200	28.0	25	22	22
15...	1240	167	27.0	30	--	--
16...	1940	165	27.0	35	--	--
17...	1840	162	28.0	25	--	--
18...	1915	161	28.0	40	--	--
19...	1630	150	28.0	25	--	--
20...	1800	160	28.0	40	--	--
21...	1630	166	28.0	45	28	23
22...	1940	157	28.0	30	--	--
23...	1245	166	28.5	30	--	--
24...	1130	179	28.5	40	--	--
25...	1710	156	27.0	25	--	--
26...	1430	103	28.0	90	--	--
27...	1200	104	28.0	80	--	--
28...	0910	88	25.0	80	14	8.7
29...	0915	138	25.0	50	--	--
30...	0830	138	26.0	40	--	--
31...	1715	149	27.0	30	--	--

SABINE RIVER BASIN

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG						
01...	0815	156	156	30	--	--
02...	1730	153	153	25	--	--
03...	1700	155	155	25	--	--
04...	1505	156	156	20	--	--
05...	1040	158	158	15	--	--
06...	1840	176	176	50	--	--
07...	1720	157	157	15	21	15
08...	1630	156	156	15	--	--
09...	1535	157	157	15	--	--
10...	1430	155	155	15	--	--
11...	1205	160	160	20	--	--
12...	0835	172	--	20	--	--
13...	1645	175	175	30	--	--
14...	1630	157	157	15	20	15
15...	1755	157	157	15	--	--
16...	1730	157	157	15	--	--
17...	--	156	156	15	--	--
18...	0900	153	153	15	--	--
19...	0950	161	161	15	--	--
20...	1750	161	161	15	--	--
21...	1820	154	154	20	22	18
22...	1715	153	153	10	--	--
23...	1715	150	150	10	--	--
24...	1730	153	153	20	--	--
25...	1040	153	153	20	--	--
26...	1920	161	161	15	--	--
27...	1735	185	185	30	--	--
28...	1800	154	154	15	20	15
29...	1800	156	156	10	--	--
30...	1900	163	163	20	--	--
31...	1910	160	160	15	--	--
SEP						
01...	1430	156	28.0	15	--	--
02...	0900	155	26.5	25	--	--
03...	1210	157	27.0	25	--	--
04...	1900	148	28.0	25	--	--
05...	0735	150	28.0	20	--	--
06...	1810	149	28.0	20	--	--
07...	1850	152	29.0	25	--	--
08...	1240	153	29.0	20	--	--
09...	0835	157	26.0	30	--	--
10...	1810	165	28.0	25	--	--
11...	0810	165	26.0	25	--	--
12...	0820	152	26.0	25	--	--
13...	0815	152	26.5	20	--	--
14...	0830	148	26.0	20	--	--
15...	1035	150	26.0	20	--	--
16...	0940	147	24.0	15	--	--
17...	1800	153	25.0	20	--	--
18...	1820	124	25.0	30	--	--
19...	1850	124	25.0	30	--	--
21...	1420	65	24.0	50	--	--
22...	0910	80	23.0	80	--	--
23...	1055	80	23.0	80	--	--
24...	0705	97	25.0	60	--	--
25...	0800	117	22.0	80	--	--
26...	0820	144	24.0	25	--	--
27...	0810	146	25.0	25	--	--
28...	0815	147	23.0	25	--	--
29...	0910	147	24.0	25	--	--
30...	1020	148	25.0	25	--	--

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA

LOCATION.--Lat 30°43'32", long 93°33'36", in SE¼ sec.11, T.4 S., R.12 W., Beauregard Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on State Highway 389, 2.0 mi (3.2 km) upstream from Pullem Branch, and 2.0 mi (3.2 km) south of Merryville.

DRAINAGE AREA.--13.1 mi² (33.9 km²).

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

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 60.53 ft (18.450 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 14.0 ft³/s (0.396 m³/s), 14.51 in/yr (369 mm/yr), 10,140 acre-ft/yr (12.5 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,560 ft³/s (44.2 m³/s) Mar. 24, 1973, gage height, 12.86 ft (3.920 m) from rating curve extended above 720 ft³/s (20.4 m³/s); minimum, 0.80 ft³/s (0.023 m³/s) Sept. 14, 15, 16, 17, 18, 19, 1965.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft³/s (11 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 7	1300	423 12.0	7.68 2.341	Sept. 20	1215	*750 21.2	*9.49 2.892
Apr. 20	1345	580 16.4	8.61 2.624				

Minimum discharge, 1.5 ft³/s (0.042 m³/s) Oct. 13 to Nov. 6, Nov. 7, 12, 13; minimum gage height, 0.55 ft (0.168 m) Nov. 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.5	3.3	108	20	7.8	5.9	10	29	3.1	4.5	3.5
2	1.8	1.5	4.6	110	12	7.5	7.4	9.8	29	3.0	3.9	8.8
3	1.8	1.5	8.5	20	19	104	45	11	24	3.0	3.6	12
4	1.7	1.5	13	9.5	49	60	166	23	17	2.9	3.4	5.6
5	1.7	1.5	2.5	6.9	58	17	37	32	14	2.8	3.3	3.5
6	1.7	1.5	2.2	30	189	11	18	15	20	2.8	3.2	3.1
7	1.7	1.6	2.1	237	124	8.5	13	11	16	2.9	3.0	4.4
8	1.7	1.7	3.0	60	35	7.3	11	8.9	10	3.8	3.1	4.2
9	1.6	1.6	2.6	19	18	6.6	10	7.7	7.5	3.5	3.2	2.9
10	1.6	1.6	2.4	11	12	6.3	8.9	7.0	6.2	3.9	5.3	2.6
11	1.6	1.6	2.3	8.7	9.7	9.1	8.4	6.5	5.5	3.8	4.8	2.5
12	1.6	1.5	2.3	7.2	8.7	8.4	9.0	6.1	5.0	3.1	4.4	2.4
13	1.5	1.6	2.2	6.3	8.0	6.5	12	6.0	4.7	3.3	3.5	2.4
14	1.5	1.6	2.2	5.6	7.6	5.7	9.5	5.7	4.5	5.5	3.3	2.3
15	1.5	1.6	2.1	4.9	7.1	5.2	7.3	5.3	4.3	9.4	3.5	2.3
16	1.5	1.6	2.1	4.7	6.5	5.3	6.3	5.0	4.1	5.5	3.4	2.2
17	1.5	1.6	2.0	4.6	7.4	6.2	5.6	4.8	4.0	4.3	3.1	2.2
18	1.5	1.6	2.0	4.8	84	5.8	5.6	4.7	3.9	5.7	2.9	2.5
19	1.5	1.6	2.0	41	48	7.5	11	4.6	3.8	166	2.9	3.5
20	1.5	2.0	2.0	227	19	94	296	4.4	3.7	21	2.9	390
21	1.5	2.3	2.0	82	14	89	235	4.4	3.7	16	4.5	115
22	1.5	1.9	2.0	21	19	96	186	4.7	3.6	19	4.2	22
23	1.5	1.8	2.0	12	41	81	52	6.0	3.6	9.1	3.0	11
24	1.5	1.7	1.9	9.2	82	28	27	5.9	3.5	6.1	2.7	7.2
25	1.5	1.7	1.9	7.4	40	14	19	4.8	3.7	18	2.7	5.6
26	1.5	3.3	1.9	19	18	9.8	15	4.4	4.4	68	2.7	4.8
27	1.5	13	1.9	70	11	8.1	13	4.2	4.0	89	10	4.4
28	1.5	4.1	1.9	26	8.9	7.2	12	4.1	3.6	22	6.7	4.1
29	1.5	22	1.9	13	---	6.7	11	6.1	3.5	9.8	44	3.8
30	1.5	13	3.8	19	---	6.3	12	50	3.2	6.3	10	3.6
31	1.5	---	14	43	---	6.1	---	179	---	5.0	4.3	---
TOTAL	48.8	96.6	100.6	1247.8	975.9	741.9	1274.9	462.1	253.0	527.6	166.0	644.4
MEAN	1.57	3.22	3.25	40.3	34.9	23.9	42.5	14.9	8.43	17.0	5.35	21.5
MAX	1.8	22	14	237	189	104	296	179	29	166	44	390
MIN	1.5	1.5	1.9	4.6	6.5	5.2	5.6	4.1	3.2	2.8	2.7	2.2
CFSM	.12	.25	.25	3.08	2.66	1.82	3.24	1.14	.64	1.30	.41	1.64
IN.	.14	.27	.29	3.54	2.77	2.11	3.62	1.31	.72	1.50	.47	1.83
AC-FT	97	192	200	2480	1940	1470	2530	917	502	1050	329	1280

CAL YR 1978	TOTAL	2736.6	MEAN	7.50	MAX	387	MIN	1.5	CFSM	.57	IN	7.77	AC-FT	5430
WTR YR 1979	TOTAL	6539.6	MEAN	17.9	MAX	390	MIN	1.5	CFSM	1.37	IN	18.57	AC-FT	12970

SABINE RIVER BASIN

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	.56	.96	4.11	1.79	1.30	1.18	1.29	2.09	.73	.91	.80
2	.61	.56	1.05	4.27	1.45	1.28	1.26	1.28	2.07	.72	.85	1.17
3	.60	.56	1.33	1.79	1.76	4.29	2.68	1.34	1.88	.71	.82	1.35
4	.59	.56	1.50	1.34	2.90	3.23	5.37	1.85	1.56	.70	.79	.99
5	.59	.56	.85	1.19	3.16	1.74	2.42	2.23	1.42	.69	.78	.81
6	.59	.57	.78	2.15	5.81	1.45	1.64	1.52	1.70	.69	.76	.75
7	.59	.58	.75	6.06	4.80	1.34	1.42	1.32	1.51	.69	.73	.87
8	.58	.61	---	3.19	2.44	1.27	1.33	1.23	1.26	.80	.74	.87
9	.58	.59	---	1.77	1.78	1.22	1.29	1.17	1.11	.78	.76	.72
10	.58	.58	---	1.43	1.51	1.21	1.23	1.12	1.03	.83	.97	.66
11	.58	.58	---	1.30	1.40	1.37	1.20	1.08	.97	.81	.93	.64
12	.57	.58	---	1.21	1.35	1.33	1.23	1.06	.94	.72	.90	.63
13	.57	.58	---	1.15	1.31	1.22	1.39	1.05	.91	.75	.80	.62
14	.57	.59	---	1.10	1.29	1.16	1.26	1.03	.89	.97	.77	.61
15	.57	.58	---	1.05	1.26	1.12	1.14	1.00	.87	1.21	.80	.60
16	.57	.58	---	1.03	1.22	1.13	1.07	.98	.85	.98	.78	.58
17	.57	.59	---	1.02	1.26	1.20	1.02	.96	.84	.87	.75	.59
18	.57	.58	---	1.03	3.90	1.17	1.02	.94	.83	.93	.72	.64
19	.57	.60	.74	2.45	2.87	1.28	1.32	.93	.82	5.01	.72	.77
20	.57	.70	.74	6.18	1.79	3.98	6.05	.92	.81	1.76	.71	6.72
21	.57	.81	.73	3.74	1.60	4.09	6.13	.92	.81	1.54	.87	4.25
22	.57	.70	.72	1.83	1.78	4.31	5.67	.95	.80	1.66	.88	1.78
23	.56	.65	.71	1.47	2.66	3.90	2.99	1.05	.79	1.20	.74	1.29
24	.56	.64	.70	1.32	3.93	2.16	2.02	1.04	.79	1.03	.69	1.11
25	.56	.62	.70	1.22	2.60	1.59	1.67	.96	.81	1.61	.68	1.00
26	.57	.83	.69	1.70	1.76	1.41	1.50	.92	.88	3.49	.69	.94
27	.57	1.58	.68	3.58	1.46	1.32	1.44	.90	.84	4.06	1.19	.90
28	.57	1.05	.68	2.04	1.36	1.26	1.36	.89	.80	1.79	1.06	.87
29	.57	1.90	.69	1.50	---	1.23	1.32	1.02	.78	1.25	2.66	.84
30	.57	1.57	.96	1.74	---	1.20	1.36	2.73	.74	1.05	1.26	.82
31	.57	---	1.61	2.70	---	1.19	---	5.34	---	.96	.89	---
MEAN	.58	.73	---	2.18	2.22	1.84	2.07	1.32	1.08	1.32	.89	1.17
MAX	.61	1.90	1.61	6.18	5.81	4.31	6.13	5.34	2.09	5.01	2.66	6.72
MIN	.56	.56	.68	1.02	1.22	1.12	1.02	.89	.74	.69	.68	.58

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 time of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

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 elevations at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

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 1979

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.	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 mi (2.9 km) east of Ida.	*73	1969-79	5- 4-79	41.80	1,750
07348100	McCain Creek near Shreveport, La.	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, and 7.0 mi (11.3 km) northwest of Shreveport.	13.8	1954-68, 1974-79	1979	<36.50	(†)
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 (1.3 km) southeast of Shongaloo.	33.1	1966-79	4-20-79	44.52	(†)
07348760	Black Bayou at Leton, La.	Lat 32°51'10", long 93°15'05", Webster Parish, at bridge on State Highway 159, 0.5 mi (0.8 km) south of Leton.	49.8	1954-68, 1974-79	5- 4-79	46.85	3,850
07350990	Boggy Bayou at Woolworth Road, near Keithville, La.	Lat 32°22'35", long 93°54'--", Caddo Parish, at bridge 4.8 mi (7.7 km) northwest of Keithville.	41.3	1963-79	5- 4-79	43.59	5,400
07351205	Brush Bayou tributary No. 2, at Shreveport, La.	Lat 32°26'30", long 93°48'05", Caddo Parish, at culvert on 70th Street, 5.8 mi (9.3 km) southwest of Shreveport Post Office.	3.68	1967-70, 1973-79	5- 4-79	13.24	(†)
07351300	Brush Bayou near Shreveport, La.	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 mi (4.0 km) south of Shreveport.	27.1	1960-79	5- 4-79	158.80	(†)
07351500	Cypress Bayou near Keithville, La.	Lat 32°18'00", long 93°49'40", Caddo Parish, at bridge on State Highway 175, and 2.0 mi (3.2 km) south of Keithville.	*66	1939-57†, 1958-79	5- 4-79	11.94	11,200
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 (2.4 km) south of Frierson.	59.6	1966-79	5- 4-79	14.17	(†)
07351700	Bayou Na Bonchasse near Mansfield, La.	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 mi (6.8 km) north of Mansfield.	19.5	1958-68†, 1969-79	5- 4-79	12.39	1,680
07351980	Saline Bayou near Bienville, La.	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on parish road 1.0 mi (1.6 km) upstream from Bear Creek, and 4.0 mi (6.4 km) northeast of Bienville.	54.9	1966-79	1-21-79	44.74	2,100
07352200	Black Lake Bayou near Minden, La.	Lat 32°34'50", long 93°10'55", in Bienville-Webster Parish line, at bridge on U.S. Highway 80, and 7.0 mi (11.3 km) southeast of Minden.	38.6	1951-68, 1974-79	1-21-79	16.68	(†)
07352295	Black Lake Creek at Gibsland, La.	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mi (1.0 km) north of Gibsland.	44.8	1968-79	1-21-79	47.38	(†)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
Red River basin--Continued							
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 (1.3 km) west of Sparta.	1.1	1954-68, 1974-79	4-27-58 3-30-61 12-17-61 4-27-64 --- 2-10-66 5-31-67 4- 8-68 4-22-74 7- 4-76 1-21-79	42.94 42.39 42.75 42.10 <42.10 43.0 42.41 42.87 42.32 42.12 43.17	a810 a445 a960 a260 a<260 a850 a465 a760 a400 a340 900
07352500	Black Lake Bayou near Castor, La.	Lat 32°15'40", long 93°12'50", Bienville Parish, at bridge on State Highway 4, and 2.8 mi (4.5 km) northwest of Castor.	423	1941-57‡, 1958-79	1-23-79	12.67	10,600
07352730	Antoine Creek near Ashland, La.	Lat 32°05'50", long 93°06'10", Natchitoches Parish, at bridge on State Highway 153, and 3.0 mi (4.8 km) south of Ashland.	17.7	1964-79	5- 4-79	43.93	(†)
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 (1.0 km) north of Kisatchie.	37.3	1966-79	2-23-79	22.77	4,700
07364740	Bayou de Loutre near Farmerville, La.	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 mi (11.3 km) north of Farmerville.	241	1966-79	5- 6-79	45.01	6,000
07364800	Bayou D'Arbonne at Homer, La.	Lat 32°48'30", long 93°03'20", Claiborne Parish, at bridge on U.S. Highway 79, and 0.2 mi (0.3 km) north of Homer.	*30	1954-68, 1974-79	5- 4-79	47.33	(†)
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 (16.6 km) northeast of Arcadia.	*47	1966-79	1-21-79	46.16	(†)
07365300	Middle Fork Bayou D'Arbonne near Colquitt, La.	Lat 32°55'40", long 92°59'40", Claiborne Parish, at bridge on State Highway 520, and 2.0 mi (3.2 km) southeast of Colquitt.	43.9	1954-68, 1974-79	5- 4-79	46.78	(†)
07366000	Corney Bayou near Lillie, La.	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 mi (4.8 km) south of Lillie.	462	1941-57‡, 1958-79	5- 4-79	16.38	10,000
07366350	Stowe Creek near Farmerville, La.	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, and 8.0 mi (12.9 km) southwest of Farmerville.	*29	1954-68, 1974-79	1-21-79	46.83	(†)
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 (4.0 km) northwest of Calhoun.	113	1966-79	5- 4-79	43.11	4,700
07367300	North Cheniere Creek at Cheniere, La.	Lat 32°29'35", long 92°15'40", Ouachita Parish, at bridge on State Highway 546, 1.0 mi (1.6 km) southwest of Cheniere.	*38	1954-68, 1974-79	1-21-79	43.67	1,700
07367600	Cypress Creek near Vixen, La.	Lat 32°17'20", long 92°14'45", Ouachita Parish, at bridge on State Highway 557, and 4.1 mi (6.6 km) northeast of Vixen.	*16	1954-68, 1974-79	5- 4-79	47.12	(†)
07370530	Black Bayou at Kelly, La.	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mi (1.4 km) southeast of Kelly.	51.9	1966-79	1-20-79	41.80	6,250
07370575	Caney Creek near Chatham, La.	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 mi (10.5 km) southwest of Chatham.	48.8	1966-79	1-22-79	44.36	(†)
07370600	Beaucoup Creek near Cotton Plant, La.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 110, and 3.3 mi (5.3 km) west of Cotton Plant.	127	1951-68, 1974-79	2-24-79	10.95	4,300
07370650	Flat Creek near Sikes, La.	Lat 32°04'45", long 92°27'50", Winn Parish, at bridge on State Highway 110, and 1.5 mi (2.4 km) east of Sikes.	41.5	1951-68, 1975-79	-- 4-79	10.48	(†)

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--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							
07370660	Flat Creek near Olla, La.	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 mi (4.0 km) downstream from Fish Creek, and 10.2 mi (16.4 km) northwest of Olla.	103	1966-79	5- 4-79	47.16	3,600
07370700	Beech Creek near Olla, La.	Lat 31°54'55", long 92°23'35", Winn Parish, at bridge on State Highway 124, and 9.0 mi (14.5 km) west of Olla.	*58	1954-68, 1974-79	2-24-79	43.39	5,500
07370750	Chickasaw Creek near Olla, La.	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 mi (3.2 km) southeast of Olla, and 3.5 mi (5.6 km) upstream from Tarber Creek.	47.6	1954-79	1-20-79	41.97	5,150
07370820	Dugdemonia River near Quitman, La.	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 mi (2.7 km) west of Quitman.	117	1964-79	1-22-79	41.04	1,300
07370840	Choctaw Creek near Hodge, La.	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 mi (13.7 km) northwest of Hodge.	16.5	1966-79	1-22-79	44.77	(†)
07370930	Cypress Bayou at Quitman, La.	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mi (1.3 km) southeast of Quitman.	91.8	1966-79	1-22-79	43.48	6,700
07370980	Little Dugdemonia River near Hodge, La.	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 mi (2.7 km) east of Hodge.	*20	1964-79	2-18-79	45.00	860
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 (4.8 km) southeast of Joyce.	*24	1964-79	5- 5-79	44.18	2,500
07372300	Bear Creek near Packton, La.	Lat 31°47'05", long 92°34'40", Grant Parish, at bridge on U.S. Highway 167, and 1.1 mi (1.8 km) south of Packton.	*11	1954-68, 1975-79	2-24-79	47.35	(†)
07372900	Dyson Creek near Pollock, La.	Lat 31°32'20", long 92°25'40", Grant Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) upstream from mouth, and 1.6 mi (2.6 km) northwest of Pollock.	*12	1964-79	2-24-79	43.79	(†)
Mermentau River basin							
08011800	Castor Creek near Oberlin, La.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on parish road 0.1 mi (0.2 km) upstream from Mulberry Creek, and 8.5 mi (13.7 km) east of Oberlin.	43.9	1964-79	9-20-79	b49.93	(†)
Calcasieu River basin							
08012650	Floctaw Creek near Lacamp, La.	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, and 5.0 mi (8.0 km) northwest of Lacamp.	18.7	1951-68, 1975-79	1- 2-51 5- 1-54 3-11-56 12-23-56 11-10-57 2- 3-59 12-18-61 3- 2-64 12-10-64 2-10-66 1- 9-68 1-20-74 5- 4-75 5- 9-76 3- 4-77 9-14-78 9-20-79	14.12 15.37 13.63 13.90 14.07 13.79 14.28 14.85 14.20 15.15 14.33 14.23 15.35 13.94 13.08 14.73 14.62	a1,650 c5,500 a900 a1,200 a1,520 a1,050 a2,100 c3,900 a1,900 a4,800 c2,300 c2,000 c5,420 c1,270 c700 c3,500 3,200

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Calcasieu River basin--Continued							
08013700	Drakes Creek near Pitkin, La.	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, and 12.5 mi (20.1 km) west of Pitkin.	22.1	1954-68, 1975-79	5- 1-54	16.71	c4,300
					8- 4-55	17.41	c6,050
					2-10-56	14.20	c530
					12-23-56	14.62	c790
					9-20-58	15.59	c2,050
					2- 3-59	14.21	c530
					3- 3-60	13.17	c340
					1- 8-61	14.66	c830
					12- 8-61	15.06	c1,280
					12-25-62	13.32	c370
					3- 2-64	14.67	c830
					1-25-65	14.19	c520
					2-10-66	16.24	c3,250
					4-14-67	16.10	c2,960
					12-15-67	15.24	c1,530
					5- 4-75	16.38	c3,520
					10-26-76	14.51	700
3- 4-77	14.44	c650					
6- 7-78	15.91	c2,600					
9-20-79	15.75	2,320					
08013800	Little Sixmile Creek near Pitkin, La.	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mi (1.6 km) upstream from Spurlock Branch, and 5.0 mi (8.0 km) west of Pitkin.	10.4	1954-79	9-20-79	14.27	(+)
08013950	Big Brushy Creek near Pitkin, La.	Lat 30°54'55", long 92°53'30", Vernon Parish, at bridge on State Highway 10, and 3.0 mi (4.8 km) southeast of Pitkin, and 3.1 mi (5.0 km) upstream from mouth.	34.4	1965-79	9-20-79	17.43	3,650
08014000	Sixmile Creek near Sugartown, La.	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 112, 5.5 mi (8.9 km) east of Sugartown, and 6.6 mi (10.6 km) upstream from mouth.	171	1956-65†, 1966-79	3- 3-79	12.94	3,300
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 (0.5 km) downstream from Carter Branch, and 5.3 mi (8.5 km) southwest of Elizabeth.	94.2	1950-65†, 1966-79	1-25-78	13.50	a2,250
					9-20-79	15.63	5,950
08014600	Flat Creek near De Ridder, La.	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 mi (3.9 km) east of De Ridder, and 3.2 mi (5.1 km) upstream from mouth.	26.3	1964-79	4-19-64	9.42	c510
					1-23-65	10.82	c1,500
					1-10-68	10.92	c1,630
					2-22-69	10.46	c1,130
					12- 7-69	10.40	c1,080
					10-12-70	10.44	c1,120
					12- 6-71	11.30	c2,190
					1-20-74	11.12	c1,900
					5- 1-75	10.88	c1,580
					10-26-75	10.94	c1,670
					4-21-77	9.85	c770
					1-24-78	11.35	c2,280
					9-20-79	11.44	2,450
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 (1.6 km) south of Dry Creek.	42.7	1954-68, 1975-79	9-20-79	24.60	(+)
08016500	Hickory Branch near Longville, La.	Lat 30°36'23", long 93°15'49", Beauregard Parish, at bridge on State Highway 110, 2.1 mi (3.4 km) west of Longville, and 4.2 mi (6.7 km) upstream from Horse Branch.	34.9	1954-68, 1977-79	9-20-79	17.53	2,820
08016600	Hickory Branch at Kernan, La.	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mi (1.1 km) southwest of Kernan, and 3.0 mi (4.8 km) upstream from Cowpen Creek.	82.2	1946-57†, 1958-79	9-20-79	22.96	4,550
Sabine River basin							
08022600	Bayou Castor near Longstreet, La.	Lat 32°05'35", long 93°55'15", De Soto Parish, at bridge on State Highway 3015, and 1.8 mi (2.9 km) east of Longstreet.	27.7	1954-68, 1975-79	3- 7-79	15.62	(+)
08023270	Bull Bayou near Hunter, La.	Lat 31°53'10", long 93°50'30", De Soto Parish, at bridge on State Highway 174, 1.1 mi (1.8 km) southeast of Hunter, and 3.2 mi (5.1 km) upstream from mouth.	8.54	1964-79	1-20-79	11.76	(+)

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis- charge (ft ³ /s)
Sabine River basin--Continued							
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 (1.6 km) east of Zwolle.	45.9	1951-68, 1975-79	1-20-79	12.59	3,630
08024060	Blackwell Creek at Many, La.	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mi (0.3 km) northeast of Many, and 0.8 mi (1.3 km) upstream from mouth.	3.16	1960-68†, 1969-79	3- 3-79	12.01	766
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 (1.3 km) northeast of Burr Ferry.	9.66	1966-79	1-20-79	4.68	(†)
08026200	Red Bank Creek at Evans, La.	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mi (0.6 km) northeast of Evans, and 2.8 mi (4.5 km) upstream from mouth.	17.2	1966-79	1-20-79	12.82	(†)
08026700	West Anacoco Creek near Hornbeck, La.	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 161, and 2.5 mi (4.0 km) southeast of Hornbeck.	22.2	1951-68, 1974-79	2-24-79	13.80	2,420
08027550	Prairie Creek near Leesville, La.	Lat 31°10'40", long 93°16'30", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) northwest of Leesville.	40.0	1949-68, 1974-78	2-24-79	42.45	1,800
08029700	Brushy Creek at Bancroft, La.	Lat 30°33'35", long 93°40'49", Beauregard Parish, at bridge on State Highway 389, and 0.8 mi (1.3 km) south of Bancroft.	25.9	1954-68, 1975-79	9-20-79	15.11	(†)

* Approximately

< Less than amount shown.

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Revised.

b From flood mark.

c Not previously published.

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 1979

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Red River basin						
07348010	Twelvemile Bayou below Dixie, La.	Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 mi (9.7 km) southeast of Dixie.	(†)	1962-79	5- 6-79	159.86
07348105	McCain Creek at Pine Hills Road, near Shreveport, La.	Lat 32°35'01", long 93°49'34", Caddo Parish, at bridge 6.7 mi (10.8 km) northwest of courthouse at Shreveport.	(†)	1963-79	5- 4-79	183.92
07348120	McCain Creek at Cooper Road, near Shreveport, La.	Lat 32°33'11", long 93°47'30", Caddo Parish, at bridge 3.7 mi (6.0 km) northwest of courthouse at Shreveport.	(†)	1963-79	5- 4-79	*46.38
07349363	Macks Bayou tribu- tary No. 2, at Bossier City, La.	Lat 32°32'33", long 93°42'30", Bossier Parish, at bridge on Airline Drive, 2.1 mi (3.4 km) northeast of Bossier City Post Office.	(†)	1963-79	5- 4-79	165.13
07349365	Macks Bayou at Bossier City, La.	Lat 32°31'59", long 93°40'24", Bossier Parish, at bridge on U.S. Highway 80, 3.3 mi (5.3 km) northeast of Bossier City Post Office.	(†)	1963-79	5- 4-79	159.32
07349368	Macks Bayou tribu- tary No. 3, at Bossier City, La.	Lat 32°31'20", long 93°41'31", Bossier Parish, at bridge on Old Minden Road, 2.1 mi (3.4 km) east of Bossier City Post Office.	(†)	1963-79	1979	<162.90
07349369	Macks Bayou at North Gate Road, at Bossier City, La.	Lat 32°30'39", long 93°40'56", Bossier Parish, 500 ft (152 m) west of Barksdale Air Force Base fence at North Gate Road, at Bossier City.	(†)	1966-79	5- 4-79	161.09
07349380	Flat River at Taylortown, La.	Lat 32°23'20", long 93°35'15", Bossier Parish, at bridge on State Highway 527, and 0.5 mi (0.8 km) east of Taylortown.	95.8	1960-62†, 1963-79	5- 4-79	**145.08
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 (3.5 km) southeast of Elm Grove.	112	1960-79	5- 4-79	141.56
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 (6.4 km) west of Cotton Valley.	37.8	1960-65†, 1966-79	5- 4-79	202.45
07349785	Little Cypress Bayou at State Highway 3, at Plain Dealing, La.	Lat 32°54'55", long 93°42'15", Bossier Parish, at bridge 0.6 mi (1.0 km) northwest of Plain Dealing.	(†)	1963-79	1979	<276.2
07349787	Little Cypress Bayou tributary at Plain Dealing, La.	Lat 32°54'30", long 93°42'15", Bossier Parish, at bridge on State Highway 3, 0.7 mi (1.1 km) northwest of Plain Dealing.	(†)	1963-79	1979	<265.3
07349790	Little Cypress Bayou at Plain Dealing, La.	Lat 32°54'05", long 93°41'55", Bossier Parish, at bridge on unnamed street 0.3 mi (0.5 km) downstream from State Highway 3, and 0.3 mi (0.5 km) southeast of Plain Dealing.	(†)	1963-79	1-21-79	260.01
07349860	Red Chute Bayou at Sligo, La.	Lat 32°26'50", long 93°35'40", Bossier Parish, at bridge on State Highway 612, and 0.5 mi (0.8 km) west of Sligo.	980	1960-62†, 1963-79	6-22-79	**155.01
07349900	Swan Lake near Elm Grove, La.	Lat 32°16'55", long 93°27'05", Bossier Parish at bridge on parish road, 7.5 mi (12.1 km) southeast of Elm Grove.	1,020	1961-79	5- 4-79	140.93
07350300	Coushatta Bayou near Crichton, La.	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, 1.8 mi (2.9 km) east of Crichton.	15.9	1960-79	5- 4-79	129.11

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
Red River basin--Continued						
07350700	Bayou Pierre at Shreveport, La.	Lat 32°27'20", long 93°44'05", Caddo Parish, at bridge on Pierremont Road, 3.4 mi (5.7 km) southeast of Shreveport city hall.	(†)	1960-79	5- 4-79	158.61
07350800	Bayou Pierre at Forbin, La.	Lat 32°23'35", long 93°43'25", Caddo Parish, at bridge on State Highway 526, 0.6 mi (1.0 km) north of Forbin and 8.1 mi (13.0 km) south of Shreveport Post Office.	19	1960-65†, 1967-79	5- 4-79	151.39
07350820	Sand Beach Bayou at Shreveport, La.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, 4.3 mi (6.9 km) southeast of Shreveport city hall.	(†)	1963-64, 1965-79	5- 4-79	*42.03
07350840	Sand Beach Bayou near Shreveport, La.	Lat 32°24'03", long 93°42'26", Caddo Parish, at bridge on State Highway 526, 7.4 mi (11.9 km) southeast of Shreveport city hall.	(†)	1963-79	1979	<150.40
07350900	Bayou Pierre near Robson, La.	Lat 32°22'25", long 93°40'30", Caddo Parish, at bridge on Leonard Road, and 2.0 mi (3.2 km) northwest of Robson.	26.0	1960-79	5- 4-79	144.50
07351200	Brush Bayou at Shreveport, La.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Railway bridge, 4.9 mi (7.9 km) southwest of Shreveport city hall.	3.4	1960-79	5- 4-79	188.05
07351580	Bayou Pierre near Abington, La.	Lat 32°08'10", long 93°31'05", De Soto-Red River Parish line, at bridge on State Highway 509, and 2.0 mi (4.7 km) northwest of Abington.	406	1960-65†, 1966-79	5- 4-79	unknown
07351740	Bayou Pierre at Evelyn, La.	Lat 31°59'20", long 93°26'30", De Soto-Red River Parish line, at bridge on State Highway 177, and 0.2 mi (0.3 km) northeast of Evelyn.	707	1950-65†, 1966-79	5- 4-79	121.43
07351750	Bayou Pierre near Lake End, La.	Lat 31°53'40", long 93°20'30", Natchitoches-Red River Parish line, at bridge on State Highway 174, and 2.9 mi (4.7 km) southwest of Lake End.	860	1960-79	5- 4-79	114.56
07352150	Saline Lake near Clarence, La.	Lat 31°51'10", long 92°56'10", Natchitoches-Winn Parish line, 100 ft (30.48 m) left of spillway, and 5.9 mi (9.5 km) northeast of Clarence.	(a)	1960-79	1-20-79	107.67
07352410	Kepler Lake near Castor, La.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, 5.0 mi (8.0 km) north of Castor.	46.2	1960-65†, 1966-79	5- 6-79	177.85
07352900	Saline Bayou at Allen Dam, near Clarence, La.	Lat 31°51'05", long 92°56'45", Natchitoches Parish, on right bank upstream wing wall of spillway, and 5.3 mi (8.5 km) northeast of Clarence.	(a)	1960-79	1-20-79	105.75
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	1960-65†, 1966-79	1-21-79	95.32
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 (3.5 km) northeast of Cloutierville.	582	1960-79	1979	<95.09
07355400	Bayou Marteau near Rock Hill, La.	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on parish road, 2.2 mi (3.5 km) southwest of Rock Hill, and 5.0 mi (8.0 km) northeast of Boyce.	(†)	1960-79	1-20-79	83.55
07355475	Bayou Rapides near Alexandria, La.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on parish road, 12.2 mi (19.6 km) upstream from Red River, and 6.9 mi (11.1 km) west of Alexandria city hall.	(†)	1963-64, 1967-79	1979	<81.91

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
Red River basin--Continued						
07355490	Bayou Rapides at control structure at Alexandria, La.	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft (30 m) north of State Highway 496, and 3.1 mi (5.0 km) west of Alexandria city hall.	(‡‡)	1963-79	1979	<73.91
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 Highway 2, 3.1 mi (5.0 km) west of Farmerville.	(†)	1979	1-23-79	*32.47
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, 7.4 mi (11.9 km) northeast of Downsville.	1,607	1978-79	5-23-79	77.90
07367030	Black Bayou at West Monroe, La.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit in West Monroe.	(†)	1978-79	4-23-79	*35.57
07367500	Cheniere Brake near Bawcomville, La.	Lat 32°27'10", long 92°11'29", Ouachita Parish, on downstream side of bridge on State Highway 3033, 1.5 mi (2.4 km) southwest of Bawcomville.	147	1944-45b, 1978-79	5-23-79	*41.56
07367502	Cheniere Creek south of Bawcomville, La.	Lat 32°26'22", long 92°10'20", Ouachita Parish, on downstream side of bridge on State Highway 34, 1.5 mi (2.4 km) south of Bawcomville.	(†)	1978-79	1-20-79	*35.02
07368810	Bayou Gullion west of Oak Ridge, La.	Lat 32°37'35", long 91°50'19", Morehouse Parish, on downstream side of bridge on State Highway 134, 3.7 mi (6.0 km) east of Oak Ridge.	(†)	1979	5- 4-79	*44.27
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, 0.5 mi (0.5 km) south of junction with Interstate 20 at Monroe.	(†)	1978-79	9-15-78 5-22-79	c46.77 42.21
07369024	Youngs Bayou near Monroe, La.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, 3.1 mi (5.0 km) southeast of Monroe.	(†)	1978-79	9-15-78 1-21-79	c44.58 42.58
07369195	Turkey Creek near Baskin, La.	Lat 32°14'50", long 91°40'45", Franklin Parish, at bridge on State Highway 577, 3.7 mi (6.0 km) east of Baskin.	(†)	1978-79	1-20-79	46.50
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 (1.1 km) east of Jigger.	62.0	1975-78‡, 1979	5-13-79	42.96
07369300	Deer Creek near Wisner, La.	Lat 31°57'00", long 91°39'15", Franklin Parish, at bridge on State Highway 15, 2.0 mi (3.2 km) south of Wisner.	27.1	1978-79	5-13-79	42.08
07369325	Rawson Creek near Harrisonburg, La.	Lat 31°49'41", long 91°48'54", Catahoula Parish, at bridge on State Highway 124, 4.2 mi (6.8 km) north of Harrisonburg.	(†)	1978-79	5-13-79	47.37
07369460	Roundaway Bayou near Tallulah, La.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, 1.5 mi (2.4 km) southwest of Tallulah.	28	1954-59‡, 1978-79	5- 8-78 1-21-79	c34.07 33.78
07371600	Dugdemonia River near Dodson, La.	Lat 32°07'22", long 92°48'24", Winn Parish, at bridge on State Highway 126, and 9.1 mi (14.6 km) northwest of Dodson.	412	1959-79	1-21-79	119.45
07373282.3	Bayou Cocodrie at Ferriday, La.	Lat 31°37'33", long 91°34'37", Concordia Parish, at culvert on U.S. Highway 84, 1.5 mi (2.4 km) southwest of Ferriday Post Office.	(‡‡)	1978-79	1-20-79	23.53
07373283.2	Black River Lake at Monterey, La.	Lat 31°26'39", long 91°43'10", Concordia Parish, on left bank 0.1 mi (0.2 km) west of State Highway 129, 0.7 mi (1.1 km) south of Monterey, and 1.1 mi (1.8 km) south of Monterey High School.	(†)	1978-79	5- 7-79	19.56

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
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, 3.2 mi (5.1 km) west of Alexandria city hall.	(††)	1963-79	9-20-79	75.69
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, La.	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge 5.7 mi (9.2 km) southwest of Alexandria city hall.	(††)	1963-79	9-20-79	69.95
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 (10.5 km) southwest of Alexandria city hall.	(††)	1963-79	1979	<69.23
07382700	Bayou Carron at Washington, La.	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10 at southwestern edge of Washington.	82.6	1973-79	4-25-79	48.25
07382840	Hynson Bayou at Bringham Park, at Alexandria, La.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, 1.7 mi (2.7 km) south of Alexandria city hall.	(†)	1963-79	9-20-79	77.65
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, La.	Lat 21°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi (4.2 km) south of Alexandria city hall.	(†)	1960-79	9-20-79	72.25
07382855	Hynson Bayou at Midway St., at Alexandria, La.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi (5.0 km) southeast of Alexandria city hall.	(†)	1963-79	9-20-79	71.69
07382865	Persimmon Bayou near Alexandria, La.	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi (10.8 km) southeast of Alexandria city hall.	(†)	1963-79	9-20-79	68.52
07383000	Chatlin Lake Canal near LeCompte, La.	Lat 31°07'10", long 92°20'40", Rapides Parish, at bridge on State Highway 457, and 3.7 mi (6.0 km) northeast of LeCompte.	75.9	1943-58b, 1960, 1962-79	9-20-79	61.77
Calcasieu River basin						
08012600	Calcasieu River near Slagle, La.	Lat 31°13'30", long 93°06'05", Vernon Parish, at bridge on State Highway 8, and 2.2 mi (3.5 km) northeast of Slagle.	48.1	1959-79	2-23-79	*13.98
Sabine River basin						
08025700	Sandy Creek near Burr Ferry, La.	Lat 31°08'30", long 93°31'10", Vernon Parish, at bridge on State Highway 111, 5.3 mi (8.5 km) northeast of Burr Ferry.	33.7	1964-79	1979	<108.18

† Drainage area not determined.

* Gage datum, NGVD of gage not determined.

< Less than amount shown.

‡ Operated as a crest-stage partial-record station.

** All peaks, 1967 to date, are not to NGVD.

†† Drainage area indeterminate.

a Combined drainage area for stations 07352150 and 07352900, 1,325 sq mi.

b Operated as a continuous-record gaging station.

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1979

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Date	Discharge (ft ³ /s)
Red River basin						
Louies Bayou	Louies Brake	Lat 31°57'04", long 93°28'39", De Soto Parish, at bridge on parish road, 0.4 mi downstream from Blanchard Bayou, 0.6 mi upstream from Dead Negro Branch, and 4.3 mi southwest of Evelyn, La.	(†)	1978	1- 8-79 1-22-79 2- 6-79 4- 4-79 5- 4-79 5-30-79	22.0 20.6 66.3 34.1 117 *8.0
Rambin Bayou	Chemard Lake	Lat 31°55'01", long 93°28'29", De Soto Parish, at bridge on parish road, 1.4 mi downstream from Belle Bayou, and 6.2 mi south of Evelyn, La.	(†)	1978	1- 8-79 1-22-79 2- 6-79 4- 4-79 5- 4-79 5-30-79	59.3 67.0 161 169 369 *8.0
Prairie Bayou	Louies Bayou	Lat 31°55'33", long 93°29'03", De Soto Parish, at bridge on parish road, 0.4 mi upstream from unnamed tributary, and 6.2 mi southwest of Evelyn, La.	(†)	1978	1- 8-79 1-22-79 2- 6-79 4- 4-79 5- 4-79 5-30-79 9-20-79	24.9 19.5 83.2 55.5 153 *3.71 24.9
Madden Mill Creek	Black Lake Bayou	Lat 32°23'50", long 93°11'06", Bienville Parish, at bridge on parish road, 3.0 mi northeast of Lawhon, and 4.2 mi southeast of Fryeburg, La.	(†)	1977-78	2-28-78 6-22-78 9-19-78 6-22-79 7-31-79	\$5.35 1.63 11.49 *1.56 2.59
Muddy Creek	...do.....	Lat 32°13'29", long 92°52'49", Bienville Parish, at bridge on State Highway 4, 0.2 mi north of Friendship, and 2.3 mi northwest of Danville, La.	(†)	1977-78	6-22-79	*.29
Devils Creek	Catahoula Lake	Lat 31°36'25", long 92°11'09", La Salle Parish, at bridge on parish road, 3.3 mi upstream from Pound Branch, and 2.9 mi northwest of Nebo, La.	(†)	--	8-23-79	*.08
Unnamed	Devils Creek	Lat 31°36'25", long 92°11'10", La Salle Parish, on parish road, 50 ft upstream from mouth, and 3.0 mi northwest of Nebo, La.	(†)	--	8-23-79	*.04
Devils Creek	Catahoula Lake	Lat 31°35'34", long 92°10'54", La Salle Parish, at bridge on parish road, 2.2 mi upstream from Pound Branch, and 4.2 mi northwest of Nebo, La.	(†)	1977	4- 8-78 8-23-79	\$1.32 *.65
Do.....	...do.....	Lat 21°34'59", long 92°10'19", La Salle Parish, at bridge on parish road, 1.2 mi upstream from Pound Branch, and 2.6 mi west of Nebo, La.	(†)	1977-78	8-23-79	*1.01
Do.....	...do.....	Lat 31°34'15", long 92°09'34", La Salle Parish, at bridge on State Highway 127, 0.1 mi downstream from Pound Branch, and 1.8 mi southwest of Nebo, La.	(†)	1970, 1978	3-23-70	*1.66
Do.....	...do.....	Lat 31°33'51", long 92°09'00", La Salle Parish, at bridge on parish road, 1.0 mi downstream from Pound Branch, and 1.8 mi south of Nebo, La.	(†)	1977-78	8-23-79	1.41
Do.....	...do.....	Lat 31°32'58", long 92°08'08", La Salle Parish, at bridge on unnumbered parish road, 1.0 mi upstream from Long Branch, 1.2 mi southeast of Nebo School, and 3.5 mi south of Nebo, La.	(†)	1970, 1975	8-23-79	*1.37
CALCASIEU RIVER BASIN						
Calcasieu River	Gulf of Mexico	Lat 31°07'35", long 92°46'00", Rapides Parish, at bridge on State Highway 28, 1.0 mi south of Hineston, La.	436	1950-65a, 1964-68b, 1969, 1976	11- 1-78	*5.22

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1979--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge
CALCASIEU RIVER BASIN--Continued						
Barnes Creek	Calcasieu River	Lat 30°31'00", long 93°08'28", Beauregard Parish, at bridge on U.S. Highway 190, 5.5 mi west of Reeves, La.	111	1952,1957, 1959-64, 1969,1978	10- 6-77 10- 3-78	c.63 .41
Do.....	...do.....	Lat 30°28'04", long 93°05'35", Allen Parish, at bridge on parish road, and 3.6 mi southwest of Bel, La.	(†)	1978	10- 6-77 10- 3-78	cl.67 .76
Clear Creek	Barnes Creek	Lat 30°31'10", long 93°03'10", Allen Parish, at bridge on U.S. Highway 190, 0.4 mi west of Reeves, La.	23.1	1939,1952, 1955-57, 1959-64, 1978	10- 6-77 10- 3-78	c.68 .29
Hickory Branch	Beckwith Creek	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mi southwest of Kernan, 3.0 mi upstream from Cowpen Creek, and 10 mi northeast of De Quincy, La.	82.2	1945-57d, 1978	10- 6-77 10- 3-78	c.20 .24
Do.....	...do.....	Lat 30°24'54", long 93°16'45", Beauregard Parish, at bridge on parish road, 0.4 mi downstream from Little Creek, and 5.1 mi southwest of Gaytine, La.	132	1943,1978	10- 6-77 10- 4-78	cl.50 0
SABINE RIVER BASIN						
Bayou San Patricio	Sabine River	Lat 31°55'47", long 93°38'18", De Soto Parish, at bridge on parish road, 1.0 mi northwest of Oxford, La.	(†)	--	11-15-77 5-15-78 4- 9-79	\$0 \$.20 29.1
Unnamed No. 3	Bayou San Patricio	Lat 31°55'49", long 93°38'27", De Soto Parish, at bridge on parish road, 1.2 mi northwest of Oxford, La.	(†)	--	5-30-79	*1.81
Negreet Creek	Sabine River	Lat 31°27'56", long 93°34'40", Sabine Parish, at bridge on State Highway 191, 0.4 mi southwest of Negreet, La.	(†)	--	11-16-77 5-18-78 5-31-79 8-15-79	\$.59 \$.37 14.5 *.85
Unnamed No. 3	Bayou Negreet	Lat 31°28'01", long 93°35'14", Sabine Parish, at culvert on State Highway 191, 0.8 mi southwest of Negreet, La.	(†)	--	11-16-77 5-18-78 5-31-79 8-15-79	\$0 \$.02 *.15 *0
Bayou Anacoco	Sabine River	Lat 30°54'15", long 93°23'44", Vernon Parish, at bridge on unnumbered parish road, 0.8 mi down- stream from Clear Creek, and 7.5 mi northwest of De Ridder, La.	(†)	1969	8- 9-79	78.4

† Drainage area not determined.

* Base flow.

‡ Base flow; not previously published.

a Unpublished.

b Operated as a low-flow partial-record station.

c Not previously published.

d Operated as a continuous-record gaging station.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07351749 CHEMARD LAKE NEAR EVELYN, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 14...	1600	193	6.3	--	80	4	2.9	2.9	1100	8400	61	22
FEB 06...	1730	124	6.5	6.0	60	20	12.3	3.6	K70	160	27	18
APR 03...	1415	48	5.9	17.0	160	65	6.0	.1	2200	K2600	13	7
JUL 10...	1100	176	6.5	25.0	40	10	5.5	--	980	1900	44	3

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 14...	15	5.7	18	38	1.0	3.3	47	0	39	13	34
FEB 06...	4.9	3.7	9.8	42	.8	1.3	12	0	10	25	12
APR 03...	2.8	1.5	3.0	30	.4	1.7	8	0	7	10	3.3
JUL 10...	8.4	5.5	16	43	1.1	2.5	50	0	41	18	16

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 14...	.1	25	159	140	.22	.01	.69	.70	3.1	.12	--
FEB 06...	.0	13	79	76	.11	.05	.20	.25	1.1	.06	--
APR 03...	.0	7.7	47	34	.06	.05	.71	.76	3.4	.06	.18
JUL 10...	.1	13	113	104	.15	.02	.42	.44	1.9	.09	.28

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
NOV 14...	1	25	1	0	10	0	3	59	1400	24000	4

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY, RECOV. ERABLE (UG/L AS Hg)	MERCURY, RECOV. FM BOTTOM MATERIAL (UG/L AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 14...	200	1200	2200	.0	.09	30	70	20	.00	5	.0

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07351749 CHEMARD LAKE NEAR EVELYN, LA--Continued

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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)
NOV 14...	0	.00	.00	.0	.0	0	.00	2.0	.00	1.7	.00

DATE	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)	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)
NOV 14...	.2	.00	.0	.00	.1	.00	.00	.0	.00	.0	.00

DATE	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)	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)
NOV 14...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 14...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

07354750 CANE RIVER LAKE AT NATCHITOCHES, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
NOV 14...	1345	565	8.1	21.5	--	--	7.4	3.5	1100	5200	190	0
FEB 06...	1500	248	7.1	6.0	60	50	11.0	5.5	23000	3000	83	24
APR 03...	1155	344	7.4	19.0	30	15	4.6	4.3	K2800	7000	110	16
JUL 10...	1000	522	8.0	29.5	20	6	6.9	4.5	4600	1500	160	1

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07354750 CANE RIVER LAKE AT NATCHITOCHES, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 14...	40	22	51	36	1.6	--	5.5	250	0	210	14	66
FEB 06...	23	6.1	14	26	.7	--	3.1	72	0	59	30	16
APR 03...	31	9.1	19	26	.8	--	3.2	120	0	98	26	24
JUL 10...	38	16	38	33	1.3	42	4.4	194	0	159	17	53

DATE	FLUO- RIDE, 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 CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
NOV 14...	.2	5.9	324	328	.44	.01	2.2	2.2	9.8	.21	--	--
FEB 06...	.1	8.1	147	136	.20	--	.00	--	--	.28	--	--
APR 03...	.2	4.7	196	176	.27	.05	1.1	1.2	5.1	.16	.49	.49
JUL 10...	.2	8.7	281	271	.38	.03	1.9	1.9	8.5	.41	1.3	1.3

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)
NOV 14...	--	3	--	0	0	--	--	83	--	37	--
FEB 06...	2	--	<1	--	--	0	4	--	160	--	1

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 14...	10	--	170	.0	.02	--	20	13	.00	4	.0
FEB 06...	--	160	--	--	--	100	--	--	--	--	--

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 14...	0	.00	.00	.0	.0	0	.00	.3	.00	.8	.00
FEB 06...	--	--	--	--	--	--	--	--	--	--	--

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

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07354750 CANE RIVER LAKE AT NATCHITOCHES, LA--Continued

DATE	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)	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)
NOV 14...	.0	.02	.0	.00	.0	.00	.00	.0	.00	.0	.00
FEB 06...	--	--	--	--	--	--	--	--	--	--	--

DATE	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)	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)
NOV 14...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
FEB 06...	--	--	--	--	--	--	--	--	--	--	--

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 14...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00
FEB 06...	--	--	--	--	--	--	--	--	--	--	--

07354760 CANE RIVER LAKE NEAR MONTROSE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
NOV 14...	1100	427	7.6	19.0	5	3	8.4	5.3	--	170	140	0
FEB 06...	1330	372	8.0	7.0	20	7	11.8	3.1	K25	260	130	0
APR 03...	1100	358	7.9	19.0	20	5	6.8	1.2	K320	600	130	0
JUL 10...	0815	351	8.4	30.0	10	3	7.0	.4	640	5200	130	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 14...	27	18	27	28	1.0	--	5.1	200	0	160	6.4	34
FEB 06...	27	14	21	26	.8	--	3.6	170	0	140	10	23
APR 03...	30	13	20	25	.8	--	3.7	160	0	130	14	21
JUL 10...	28	14	18	23	.7	22	3.8	156	2	132	11	23

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07354760 CANE RIVER LAKE NEAR MONTROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)
NOV 14...	.2	5.5	223	222	.30	.01	1.1	1.1	4.9	.05	--	--
FER 06...	.1	6.4	198	189	.27	.19	.85	1.0	4.6	.14	--	--
APR 03...	.2	4.2	193	185	.26	.08	.56	.64	2.8	.05	.15	.15
JUL 10...	.2	3.7	188	181	.26	.02	.69	.71	3.1	.05	.15	.15

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, DIS- SOLVED (UG/L 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)
NOV 14...	4	5	1	0	0	0	4	50	0	23	2

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 14...	30	5	1100	.0	.01	20	10	7.0	.00	2	.0

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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)	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)
NOV 14...	0	.00	.00	.0	.0	0	.00	10	.00	20	.00	.00

DATE	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- FLDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	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)
NOV 14...	1.3	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	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)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 14...	.1	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07354760 CANE RIVER LAKE NEAR MONTROSE, LA

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 14...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

07354900 CANE RIVER NEAR GALBRAITH, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
NOV 14...	0915	498	7.2	18.0	5	7	5.3	.2	--	640	210	0
FEB 06...	1245	85	6.5	7.0	100	60	11.9	3.2	460	800	27	8
APR 03...	1000	77	6.6	17.0	--	--	7.1	2.1	6600	7000	27	6
JUL 10...	0745	434	7.0	28.0	80	20	4.0	1.2	1200	2900	150	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 14...	48	21	28	23	.8	--	2.8	264	0	220	26	26
FEB 06...	6.4	2.6	5.7	30	.5	--	1.7	23	0	19	12	5.3
APR 03...	7.1	2.3	4.6	25	.4	--	1.8	26	0	21	9.1	5.2
JUL 10...	38	14	28	28	1.0	32	3.6	190	0	160	31	27

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)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)
NOV 14...	.2	21	300	304	.41	.17	.69	.86	3.8	.08	--	--
FEB 06...	.0	13	67	58	.09	.14	.67	.81	3.6	.19	--	--
APR 03...	.1	13	67	56	.09	.25	.83	1.1	4.8	.13	.40	.40
JUL 10...	.2	16	251	251	.34	.32	3.9	4.2	19	.15	.46	.46

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)
NOV 14...	1	15	1	0	10	0	4	100	10	6300	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07354900 CANE RIVER NEAR GALBRAITH, LA--Continued

DATE	LEAD, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, UIS- SOLVED (UG/L AS MN)	MANGA- NESE, REC'D, FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC'D, FM BOT- TOM MA- TERIAL (UG/L AS HG)	MERCURY REC'D, FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, REC'D, FM BOT- TOM MA- TERIAL (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 14...	20	450	370	.0	.03	20	30	5.1	.00	1	.0

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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 (UG/L)
NOV 14...	0	.00	.00	.3	.0	0	.00	.0	.00	.0	.00

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)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
NOV 14...	.7	.00	.0	.00	.2	.00	.00	.00	.1	.00	.0	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE TOT. IN BOTTOM MATERIAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (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)	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)
NOV 14...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE, TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 14...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

07369270 TURKEY CREEK LAKE (BIG BRAKE) NEAR EXTENSION, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
DEC 18...	1620	179	7.1	11.0	5	15	10.1	4.4	20	1000	44	4
FEB 13...	1030	39	6.3	7.0	80	55	8.9	1.9	K8	80	12	0
APR 10...	1140	61	6.2	20.0	100	75	7.7	1.6	K10	K70	21	3
JUL 18...	1120	62	6.7	31.0	35	25	6.1	3.8	K13	K20	19	0

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

07369270 TURKEY CREEK LAKE (BIG BRAKE) NEAR EXTENSION, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
DEC 18...	11	4.1	15	40	1.0	3.0	49	0	40	1.9	29
FEB 13...	3.1	1.0	1.6	19	.2	2.0	15	0	12	1.6	2.6
APR 10...	5.7	1.6	3.2	23	.3	2.2	22	0	18	4.9	4.3
JUL 18...	5.0	1.6	3.2	24	.3	2.7	24	0	20	2.4	4.5
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)
DEC 18...	.0	4.0	103	92	.14	.07	.68	.75	3.3	.05	--
FEB 13...	.0	2.5	27	22	.04	.17	.53	.70	3.1	.18	--
APR 10...	.1	2.7	42	36	.06	.29	.61	.90	4.0	.18	.55
JUL 18...	.1	1.8	37	33	.05	.01	.72	.73	3.2	.16	.49
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
DEC 18...	1	10	2	0	10	0	12	11	130	11000	2
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 18...	30	100	560	.0	.04	20	60	7.5	.00	2	.0
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 18...	2	.00	.2	.0	25	.00	23	.00	36	.00	4.4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07369270 TURKEY CREEK LAKE (BIG BRAKE) NEAR EXTENSION, LA--Continued

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDORIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	ETHION, IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, IN BOT-TOM MATERIAL (UG/KG)
DEC 18...	.00	.0	.00	.1	.00	.00	.3	.00	.0	.00	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT-TOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, IN BOT-TOM MATERIAL (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL (UG/L)
DEC 18...	.00	.1	.00	.2	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT-TOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, IN BOT-TOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 18...	.0	.00	.0	.00	0	41	.00	.0	.00	.00	.00

07369340 OUACHITA RIVER (AT OLD LOCK AND DAM NO. 2) NEAR HARRISONBURG, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS, AS CAC03 (MG/L)	HARDNESS, NONCARBONATE, AS CAC03 (MG/L)
DEC 18...	1435	141	6.8	10.0	20	40	10.1	3.3	K90	K120	26	7
FEB 12...	1440	82	6.3	6.0	80	60	9.2	1.8	K50	K140	18	6
APR 09...	1420	101	6.1	19.0	70	30	6.8	2.0	K25	K30	29	14
JUL 17...	1220	138	6.5	29.0	65	25	2.5	2.2	K20	K33	30	7

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
DEC 18...	7.4	1.9	16	54	1.4	--	2.7	23	0	19	12	24
FEB 12...	5.2	1.3	8.7	48	.9	--	1.7	15	0	12	9.0	15
APR 09...	8.7	1.7	8.6	38	.7	--	1.9	18	0	15	9.4	15
JUL 17...	8.5	2.2	12	44	.9	14	2.1	28	0	23	9.9	20

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

RED RIVER BASIN

07369340 OUACHITA RIVER (AT OLD LOCK AND DAM NO. 2) NEAR HARRISONBURG, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	FLUO- RIDE, 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 CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
DEC 18...	.0	7.1	104	83	.11	.22	.64	.86	3.8	.09	--	--
FEB 12...	.0	5.6	65	54	.09	.11	.48	.59	2.6	.12	--	--
APR 09...	.1	5.2	84	59	.11	.41	.57	.98	4.3	.14	.43	.43
JUL 17...	.1	5.6	85	74	.12	.16	.61	.77	3.4	.09	.28	.28

	ARSENIC TOTAL		CADMIUM RECOV.		CHRO- MIUM, RECOV.		CHRO- MIUM, HEXA- VALENT,		COPPER, RECOV.		IRON, RECOV.	
	ARSENIC DIS- SOLVED (UG/L AS AS)	IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	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)	FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
DEC 18...		1 0		1 0		0 0		12 1		170 1100		3

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 18...	0	60	20	.1	.01	10	10	9.1	.00	4	.0

DATE	PCB, 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 IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL (UG/KG)
DEC 18...	0	.00	.0	.0	.0	.00	.1	.00	.1	.00	.00	.1

DATE	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)	ENDRI- N, TOTAL (UG/L)	ENDRI- N, TOTAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/KG)
DEC 18...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
DEC 18...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07369340 QUACHITA RIVER (AT OLD LOCK AND DAM NO. 2) NEAR HARRISONBURG, LA--Continued

DATE	PARA-THION, TOTAL (UG/L)	PARA-THION, IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOX-APHENE, IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 18...	.00	.0	.00	0	0	.00	.0	.02	.04	.00

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CAC03)	HARD-NESS, NONCAR-BONATE (MG/L AS CAC03)
DEC 19...	1255	194	8.3	11.5	0	2	11.4	6.9	K12	2900	79	0
FEB 13...	1700	175	7.4	6.5	80	55	11.4	3.8	K36	K28	75	0
APR 10...	1830	180	7.3	17.5	20	60	9.2	2.1	600	520	76	0
JUN 26...	0830	189	8.2	26.5	15	20	9.5	2.4	K36	<4	75	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HC03)	CAR-BONATE (MG/L AS C03)	ALKA-LINITY (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
DEC 19...	19	7.6	8.7	18	.4	--	4.3	120	0	98	3.5	5.0
FEB 13...	20	6.2	6.8	16	.3	10	3.5	97	0	80	4.2	4.1
APR 10...	21	5.8	6.3	14	.3	--	3.9	93	0	76	6.3	4.1
JUN 26...	20	6.1	5.7	13	.3	--	3.7	101	0	83	5.5	3.6

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN+AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N03)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS P04)	PHOS-PHORUS TOTAL (MG/L AS P04)
DEC 19...	.1	2.9	112	110	.15	.27	.85	1.1	5.0	.04	--	--
FEB 13...	.1	3.3	94	96	.13	.65	.76	1.4	6.2	.45	--	1.4
APR 10...	.1	4.3	111	98	.15	.75	.53	1.3	5.7	.33	1.0	1.0
JUN 26...	.1	5.2	105	100	.14	.34	.49	.83	3.7	.08	.25	.25

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 AS CR)	CHRO-MIUM, HEXA-VALENT, DIS-SOLVED (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)
FEB 13...	2	15	0	0	12	0	9	15	40	18000	3

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

DATE	LEAD, REC'D FM BOT- TOM MA- TERIAL (UG/G AS PH)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, REC'D FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY REC'D FM BOT- TOM MA- TERIAL (UG/L AS HG)	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)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
FEB 13...	20	0	260	.1	.05	0	35	6.3	.00	10	.0

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 13...	0	.00	.0	.0	0	.00	.0	.01	110	.04	.0

DATE	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)	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)
FEB 13...	.00	.0	.00	.4	.00	.00	.8	.00	.0	.00	.3

DATE	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)	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)
FEB 13...	.00	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 13...	.00	.0	.00	0	0	.00	.0	.04	.09	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN 26...	0830	0	189	8.2	26.5	9.5
26...	0831	5.0	210	8.6	26.5	9.5
26...	0832	--	210	8.6	26.5	9.2
26...	0833	12	210	7.6	26.0	5.9
26...	0834	13	215	7.4	25.0	3.6
26...	0835	--	220	7.2	23.5	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

320129091112500 LAKE ST. JOSEPH SOUTHEAST OF NEWELLTON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
DEC 20...	0915	141	7.6	16.0	10	50	9.6	7.8	K35	K75	55	0
FEB 14...	0855	76	7.0	10.0	100	210	10.2	2.9	K60	K360	31	0
APR 11...	0920	116	7.2	21.5	120	30	8.8	3.6	K80	--	50	5
JUN 25...	1900	198	9.3	29.0	25	20	15.6	11	<4	<4	93	0

DATE	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
DEC 20...	15	4.2	5.2	16	.3	--	3.2	73	0	60	5.0	3.6
FEB 14...	8.5	2.3	1.4	8	.1	--	3.1	39	0	32	4.9	1.9
APR 11...	14	3.6	2.2	8	.1	6.3	4.1	55	0	45	4.7	2.3
JUN 25...	25	7.4	5.4	11	.2	--	4.2	55	29	93	9.0	4.2

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
DEC 20...	.1	12	102	84	.14	.53	2.7	3.2	14	.22	--	--
FEB 14...	.1	6.1	52	48	.07	.42	1.5	1.9	8.5	.43	--	--
APR 11...	.1	8.2	94	66	.13	.91	1.3	2.2	9.8	.16	.49	.49
JUN 25...	.2	2.8	130	114	.18	.02	.64	.66	2.9	.19	.58	.58

DATE	ARSENIC, DISSOLVED (UG/L AS As)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS As)	CADMIUM, DISSOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DISSOLVED (UG/L AS Cr)	COPPER, DISSOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DISSOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DISSOLVED (UG/L AS Pb)
FEB 14...	2	20	0	1	8	0	12	28	80	18000	0

DATE	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DISSOLVED (UG/L AS Mn)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Mn)	MERCURY, RECOVERED FROM BOTTOM MATERIAL (UG/L AS Hg)	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)	ZINC, DISSOLVED (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 (UG/L)	PCB, TOTAL (UG/L)
FEB 14...	40	10	690	.1	.04	10	68	12	.00	6	.0

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

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

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

320129091112500 LAKE ST. JOSEPH SOUTHEAST OF NEWELLTON, LA--Continued

DATE	PCB, 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)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 14...	0	.00	.0	.0	0	.02	6.2	.02	110	.03	.0

DATE	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)	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)
FEB 14...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.4

DATE	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)	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)
FEB 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 14...	.00	.0	.00	0	0	.00	.0	.03	.00	.00

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN 25...	1900	.0	198	9.3	29.0	15.6
JUN 25...	1901	.0	230	9.8	29.0	15.6

320000091142800 LAKE BRUIJN SOUTH OF NEWELLTON, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SIREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
DEC 20...	1100	174	7.8	15.0	0	2	10.6	1.9	<5	210	75	0
FEB 14...	1040	145	7.2	8.5	30	20	11.0	1.8	<5	K36	67	0
APR 13...	1350	136	7.2	20.0	20	45	8.6	1.3	K380	360	58	0
JUN 25...	1800	148	8.7	29.0	15	5	9.7	2.6	<4	<4	60	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

32000091142800 LAKE BRUIN SOUTH OF NEWELLTON, LA--Continued

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CU3)	ALKA- LINITY (MG/L AS CACU3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
DEC 20...	21	5.5	3.3	8	.2	--	4.4	100	0	82	3.3	2.6
FEB 14...	19	4.8	2.4	7	.1	--	3.6	85	0	70	2.9	2.3
APR 13...	16	4.4	2.0	6	.1	--	3.7	73	0	60	3.9	1.9
JUN 25...	16	4.9	2.6	8	.1	6.4	3.8	68	6	66	4.5	2.3

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)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)
DEC 20...	.1	1.8	92	91	.13	.30	.55	.85	3.8	.09	--	--
FEB 14...	.1	.4	80	77	.11	.48	.51	.99	4.4	.18	--	--
APR 13...	.1	1.7	71	70	.10	.66	.43	1.1	4.8	.10	.31	.31
JUN 25...	.1	1.6	80	75	.11	.01	.63	.64	2.8	.02	.06	.06

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECov. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
FEB 14...	2	11	0	0	6	0	10	20	30	11000	4

DATE	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECov. EXABLE (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
FEB 14...	20	0	480	.0	.06	10	48	5.9	.00	0	.0

DATE	PCB, 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)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 14...	0	.00	.1	.0	0	.00	46	.00	95	.01	14

RED RIVER BASIN

320000091142800 LAKE BRUIN SOUTH OF NEWELLTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT-TOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, IN BOT-TOM MATERIAL (UG/KG)
FEB 14...	.00	.0	.00	.2	.00	.00	.2	.00	.0	.00	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM MATERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT-TOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, IN BOT-TOM MATERIAL (UG/KG)	METHYL PAKA-THION, TOTAL (UG/L)	METHYL PAKA-THION, IN BOT-TOM MATERIAL (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, IN BOT-TOM MATERIAL (UG/KG)	MIREX, TOTAL (UG/L)
FEB 14...	.00	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00

DATE	PARA-THION, TOTAL (UG/L)	PARA-THION, IN BOT-TOM MATERIAL (UG/KG)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL (UG/L)	TOXA-PHENE, IN BOT-TOM MATERIAL (UG/KG)	TRI-THION, TOTAL (UG/L)	TRI-THION, IN BOT-TOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 14...	.00	.0	.00	0	120	.00	.0	.05	.00	.00	.00

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUN 25...	1800	.0	148	8.7	29.0	9.7
25...	1801	.0	170	9.2	29.0	9.7
25...	1802	5.0	170	9.1	28.5	9.6
25...	1803	10	175	8.8	27.5	7.8
25...	1804	15	180	7.4	25.5	2.0
25...	1805	20	180	7.1	24.0	.0
25...	1806	25	180	7.1	21.5	.0
25...	1807	30	180	7.1	19.5	.0
25...	1808	32	180	7.1	19.5	.0

314400091264000 LAKE ST. JOHN SOUTH OF WATERPROOF, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML)	HARD-NESS, AS CAC03	HARD-NESS, NONCAR-BONATE (MG/L CAC03)
DEC 20...	1430	145	8.3	15.0	0	5	12.2	5.2	<5	K20	47	0
FEB 14...	1400	124	7.2	10.5	30	20	11.0	4.7	<5	K4	46	1
APR 13...	1140	118	7.1	22.0	15	12	9.2	2.9	K30	K75	39	0
JUN 25...	1545	135	8.5	29.0	15	10	8.5	5.6	<4	K4	41	0

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

314400091264000 LAKE ST. JOHN SOUTH OF WATERPROOF, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (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)
DEC 20...	13	3.6	7.3	23	.5	4.8	60	0	49	2.0	13	.0
FEB 14...	13	3.2	6.1	21	.4	3.7	54	0	44	2.6	10	.1
APR 13...	11	2.9	5.7	22	.4	3.9	49	0	40	3.3	9.0	.1
JUN 25...	11	3.4	6.7	24	.5	4.1	50	3	46	4.8	10	.1

DATE	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
DEC 20...	2.3	83	76	.11	.16	.98	1.1	5.0	.04	--	--
FEB 14...	.7	68	66	.09	.25	.84	1.1	4.8	.10	--	--
APR 13...	.3	58	60	.08	.08	.71	.79	3.5	.07	.21	.21
JUN 25...	2.8	74	71	.10	.01	.89	.90	4.0	.08	.25	.25

DATE	ARSENIC DIS- SOLVED (UG/G AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/G 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)
DEC 20...	1	13	1	1	10	0	8	26	10	19000	2

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCR, TOTAL (UG/L)
DEC 20...	40	1	440	.0	.06	4	90	8.3	.00	2	.0

DATE	PCB, 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 (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL (UG/KG)
DEC 20...	1	.00	.1	.0	14	.00	1.9	.00	25	.00	.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

314400091264000 LAKE ST. JOHN SOUTH OF WATERPROOF, LA--Continued

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, IN BOT-TOM MA-TERIAL (UG/KG)
DEC 20...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, IN BOT-TOM MA-TERIAL (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)
DEC 20...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	PARA-THION, TOTAL (UG/L)	PARA-THION, IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOX-APHENE, IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 20...	.00	.0	.00	0	0	.00	.0	.03	.00	.00

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
JUN 25...	1545	.0	135	8.5	29.0	8.5
25...	1546	.0	170	9.1	29.0	8.5
25...	1547	5.0	170	8.9	29.0	7.6
25...	1548	10	170	7.3	28.0	2.8
25...	1549	12	170	7.2	27.5	.5

07370190 TENSAS RIVER AT CLAYTON, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, U.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS, NONCAR-BONATE (MG/L CaCO3)
NOV 22...	1200	632	8.0	19.0	5	5	8.7	2.9	<5	13000	230	6
FEB 12...	1330	79	6.9	8.0	100	250	10.3	3.3	K110	K8000	26	0
APR 09...	1300	130	6.5	20.0	120	210	6.7	6.3	140	K610	54	6
JUL 17...	1120	304	8.4	31.5	25	30	11.0	6.9	K20	1700	110	0

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07370190 TENSAS RIVER AT CLAYTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 22...	59	21	43	28	1.2	3.8	278	0	228	18	61
FEB 12...	6.9	2.1	3.7	22	.3	2.3	32	0	26	6.0	3.8
APR 09...	15	4.0	4.9	16	.3	3.1	58	0	48	6.8	4.8
JUL 17...	31	9.1	16	23	.7	3.8	140	0	120	11	18
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 CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (IONS PER AC-FI)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)
NOV 22...	.2	14	357	357	.49	.02	.77	.79	3.5	.09	--
FEB 12...	.1	6.0	66	47	.09	--	--	--	--	--	--
APR 09...	.1	6.4	97	74	.13	.81	1.1	1.9	8.5	.34	1.0
JUL 17...	.2	11	173	168	.24	.40	.82	1.2	5.4	.27	.83
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
NOV 22...	2	11	1	1	0	0	3	19	10	10000	3
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 22...	30	30	390	.0	.07	5	60	4.9	.00	3	.0
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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)
NOV 22...	0	.00	.00	.0	.0	0	.00	.7	.00	.5	.00

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07370190 TENSAS RIVER AT CLAYTON, LA--Continued

DATE	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)	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)
NOV 22...	.1	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (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)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TUX- APHENE, TOTAL (UG/L)	TUX- 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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 22...	.00	.00	.0	.00	0	0	.00	.0	.00	.0	.00	.00	.00

313730091325000 LAKE CONCORDIA AT FERRIDAY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
DEC 20...	1645	250	8.2	14.5	5	3	12.1	4.0	<5	<5	110	0
FEB , 1979 14...	1500	210	8.4	10.0	30	20	13.8	5.5	K32	K8	88	0
APR 11...	1230	253	7.7	22.0	5	8	9.0	4.4	<5	--	120	1
JUN 25...	1410	294	8.0	29.0	10	6	8.4	4.0	<4	K56	120	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (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)
DEC 20...	23	12	11	18	.5	4.5	150	0	120	2.2	7.9	.1
FEB 14...	21	8.6	7.8	16	.4	3.5	120	1	100	2.7	6.2	.1
APR 11...	32	10	7.5	11	.3	4.0	145	0	119	4.2	5.9	.1
JUN 25...	30	12	8.4	12	.3	3.9	166	0	136	3.4	6.6	.1

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

313730091325000 LAKE CONCORDIA AT FERRIDAY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
DEC 20...	6.9	147	145	.20	.03	.81	.84	3.7	.06	--	--
FEB 14...	3.5	118	114	.16	.03	1.0	1.0	4.6	.14	--	--
APR 11...	1.5	150	137	.20	.01	.92	.93	4.1	.06	.18	.18
JUN 25...	5.1	158	151	.21	.02	.71	.73	3.2	.07	.21	.21

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
DEC 20...	2	16	1	1	10	0	7	22	28	19000	2

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 20...	50	10	1600	.2	.04	3000	80	9.5	.00	9	.0

DATE	PCB, 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 (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL (UG/KG)
DEC 20...	0	.00	.0	.0	.0	4	.00	.5	.00	5.4	.00

DATE	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)	ENDRI- N, TOTAL (UG/L)	ENDRI- N, TOTAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL (UG/KG)
DEC 20...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (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 (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/KG)
DEC 20...	.00	.0	.00	.0	.00	.1	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

313730091325000 LAKE CONCORDIA AT FERRIDAY, LA--Continued

DATE	METHYL THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIPEX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)
DEC 20...	.00	.0	.00	.00	.0	.00	0	0	.00	.0

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN 25...	1410	.0	294	8.0	29.0	8.4
25...	1411	.0	330	8.0	29.0	8.4
25...	1412	5.0	330	7.9	28.5	7.7
25...	1413	10	330	7.8	28.5	4.6
25...	1414	15	350	7.3	26.5	1.1

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (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)
JUN 19...	1410	198	7.8	28.0	50	23	0	6.7	1.5	28	1.1

DATE	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	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)	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)
JUN 19...	31	0	4.4	36	.0	14	133	108	1.2	510	340

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CAC03)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
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07373227 DEVILS CREEK NORTHWEST OF NEBO, LA

AUG 23...	1415	1050	6.8	46	310
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07373228 DEVILS CREEK WEST OF NEBO, LA

AUG 23...	1330	937	6.7	38	280
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07373230 DEVILS CREEK AT STATE HIGHWAY 127, NEAR NEBO, LA

AUG 23...	1300	899	6.8	46	270
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07373231 DEVILS CREEK WEST OF STATE HIGHWAY 777, NEAR NEBO, LA

AUG 23...	1115	1000	6.8	54	300
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07373232 DEVILS CREEK SOUTH OF NEBO, LA

AUG 23...	1215	1020	6.8	56	300
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313625092110900 DEVILS CREEK 2.9 MILES NORTHWEST OF NEBO, LA

AUG 23...	1500	758	6.7	35	220
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313625092111000 DEVILS CREEK TRIBUTARY 3.0 MILES NORTHWEST OF NEBO, LA

AUG 23...	1500	29	7.3	10	3.5
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07373269 BLACK RIVER NEAR SERENA, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
DEC 18...	1335	244	7.1	13.5	70	40	9.5	2.9	K80	300	45	16
FEB 12...	1350	80	6.2	6.0	100	90	9.6	2.4	K40	720	17	5
APR 09...	1330	104	6.4	18.5	60	50	6.1	.9	K55	K80	29	10
JUL 17...	1130	144	6.9	29.0	70	30	2.6	2.0	K2	K7	35	7

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

RED RIVER BASIN

07373269 BLACK RIVER NEAR SERENA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
DEC 18...	12	3.6	28	55	1.8	--	3.3	35	0	29	15	45
FEB 12...	5.0	1.1	6.9	44	.7	--	1.7	15	0	12	8.4	10
APR 09...	8.1	2.1	8.9	38	.7	--	2.0	23	0	19	8.6	14
JUL 17...	9.7	2.7	13	43	1.0	15	2.1	35	0	29	7.9	18

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
DEC 18...	.1	8.1	176	132	.18	.31	.47	.78	3.5	.10	--	--
FEB 12...	.0	5.6	57	46	.08	.16	.64	.80	3.5	.16	--	--
APR 09...	.1	5.1	76	60	.10	.19	.73	.92	4.1	.11	.34	.34
JUL 17...	.1	6.1	89	77	.12	.20	.62	.82	3.6	.02	--	.06

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
DEC 18...	1	8	2	0	10	0	22	8	250	9000	1

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 18...	20	60	660	.1	.03	30	50	11	.00	1	2

DATE	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)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
DEC 18...	.0	4	11	10	4.0	.0	.2	.1	.0	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07373269 BLACK RIVER NEAR SERENA, LA--Continued

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 18...	.0	.0	.0	.0	.0	.0	26	.0	.02	.04	.00

CALCASIEU RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
NOV 16...	1230	226	7.1	--	50	7	6.2	5.9	K110	520	78	--
FEB 07...	1600	63	6.2	5.0	80	25	10.0	1.1	260	360	15	7
APR 04...	1030	44	6.1	17.0	120	15	7.6	1.6	K400	K170	11	3
JUL 11...	1330	198	6.7	25.0	15	25	5.5	--	440	980	36	10

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 16...	21	6.1	16	29	.8	--	5.2	--	--	--	3.9	23
FEB 07...	3.7	1.3	6.2	45	.7	--	1.5	9	0	7	8.9	8.3
APR 04...	2.6	1.0	3.4	37	.5	--	1.7	9	0	7	7.1	4.6
JUL 11...	9.3	3.1	19	49	1.4	25	5.7	32	0	26	18	27

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
NOV 16...	.1	8.0	149	--	.20	.08	2.0	2.1	9.2	.17	--	--
FEB 07...	.0	6.8	56	41	.08	.07	.40	.47	2.1	.06	--	--
APR 04...	.1	5.9	50	31	.07	.01	.51	.52	2.3	.04	.12	.12
JUL 11...	.1	9.7	134	108	.18	1.2	1.3	2.5	11	.15	.46	.46

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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CALCASIEU RIVER BASIN

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
NOV 15...		1	3	1	0	0	0	4	29	910	3800	4
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	
NOV 15...	10	14000	400	.0	.02	30	10	28	.01	3	.0	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (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 (UG/L)	
NOV 15...	0	.00	.00	.0	.0	0	.00	.0	.00	.0	.00	
DATE	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)	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)	
NOV 15...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	
DATE	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)	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)	
NOV 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
NOV 16...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.02	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08024040 BAYOU SAN MIGUEL SOUTHWEST OF ZWOLLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
NOV 15...	1700	114	7.3	23.0	15	6	9.3	4.0	--	96	28
FEB 07...	1630	61	6.2	5.0	100	30	9.2	.5	600	400	13
APR 04...	1115	76	6.1	17.0	80	25	6.0	2.4	440	420	17
JUL 11...	1445	117	6.5	30.0	30	5	5.6	.5	K30	K50	28

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)
NOV 15...	3	6.1	3.1	9.9	40	.8	3.3	31	0	25
FEB 07...	7	2.8	1.5	5.3	44	.6	1.4	8	0	7
APR 04...	4	3.7	1.8	7.2	45	.8	2.0	15	0	12
JUL 11...	0	6.3	3.0	9.8	41	.8	2.4	34	0	28

DATE	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 (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 15...	12	10	.1	.4	81	60	.11	.01	.00	.01
FEB 07...	10	6.8	.0	6.9	56	39	.08	--	--	.18
APR 04...	10	9.5	.1	7.3	66	49	.09	--	--	.03
JUL 11...	10	12	.1	4.1	83	64	.11	--	--	.05

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED TOTAL (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
NOV 15...	--	--	--	.04	10	1	0	1	7	1
FEB 07...	.45	.63	2.8	.10	9.4	--	--	--	--	--
APR 04...	.63	.66	2.9	.07	18	--	--	--	--	--
JUL 11...	.75	.80	3.5	.07	--	--	--	--	--	--

DATE	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS Cd)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS Cd)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS Cr)	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	COPPER, SUSPENDED RECOVERABLE (UG/L AS Cu)	COPPER, DIS-SOLVED (UG/L AS Cu)
NOV 15...	0	1	1	0	1	0	10	0	0	4	0	4

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SABINE RIVER BASIN

08024040 BAYOU SAN MIGUEL SOUTHWEST OF ZWOLLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COPPER, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL REC OV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED REC OV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC OV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED REC OV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY REC OV. FM BOT- TOM MA- TERIAL (UG/L AS HG)
NOV 15...	50	60	43	5	5	0	10	280	.0	.0	.0	.04
DATE	NICKEL, TOTAL REC OV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED REC OV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL REC OV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED REC OV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)
NOV 15...	3	0	3	0	0	0	.0	20	0	20	10	.00
DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL REC OV. 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)	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)
NOV 15...	1	0	.0	1	.00	.00	.0	.0	1	.00	.4	.00
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)	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)	
NOV 15...	.6	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	
DATE	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)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	
NOV 15...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	
DATE	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
NOV 15...	.0	.00	.00	.0	0	0	.00	.0	.00	.00	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08024200 BAYOU LA NANA NEAR ZWOLLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-CORAL UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)
NOV 15...	1730	248	7.1	21.0	5	2	7.4	2.1	--	720	47
FEB 07...	1700	97	6.3	6.0	50	35	9.2	.7	K5	K60	18
APR 04...	1230	129	6.6	16.0	120	25	8.6	1.3	420	K20	25
JUL 11...	1400	156	6.9	29.0	20	3	7.0	--	K50	100	31

DATE	HARDNESS, NONCARBONATE (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HC03)	CARBONATE (MG/L AS C03)	ALKALINITY (MG/L AS CAC03)
NOV 15...	11	11	4.8	27	53	1.7	3.4	44	0	36
FEB 07...	9	3.9	2.0	9.5	50	1.0	2.2	11	0	9
APR 04...	13	5.0	3.0	14	53	1.2	1.8	14	0	11
JUL 11...	10	7.1	3.1	15	49	1.2	2.7	25	0	21

DATE	SULFATE DIS-SOLVED (MG/L AS S04)	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)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 15...	22	36	.1	4.7	144	131	.20	.05	.00	.05
FEB 07...	12	14	.0	6.0	92	55	.13	--	--	.17
APR 04...	17	18	.1	8.3	85	74	.12	2.7	--	.12
JUL 11...	16	22	.1	5.4	95	84	.13	--	--	.02

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N03)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED 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)
NOV 15...	--	--	--	.04	6.8	1	0	1	12	1
FEB 07...	.61	.78	3.5	.09	--	--	--	--	--	--
APR 04...	.49	.61	2.7	.05	12	--	--	--	--	--
JUL 11...	.47	.49	2.2	.03	--	--	--	--	--	--

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SABINE RIVER BASIN

08024200 BAYOU LA NANA NEAR ZWOLLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CU)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	
NOV 15...		0	1	1	0	1	0	10	0	0	3	2	1
	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, SUS- PENDE 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 SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	
NOV 15...	58	30	4600	8	6	2	0	230	.0	.0	.0	.04	
	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE 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, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	
NOV 15...	3	0	3	0	0	0	.0	30	10	20	20	.00	
	PHENOLS (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)	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)	
NOV 15...	1	0	.0	0	.00	.00	.0	.0	0	.00	.0	.00	
	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)	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)		
NOV 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0		
	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)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)		
NOV 15...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

08024200 BAYOU LA NANA NEAR ZWOLLE, LA--Continued

DATE	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 15...	.0	.00	.00	.0	0	0	.00	.0	.03	.00	.00

08027710 ANACOCO LAKE AT DAM NEAR LEESVILLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
NOV 17...	1030	49	6.6	18.0	5	2	8.6	--	K36000	--	13	0
FEB 08...	1015	37	6.4	7.0	60	15	9.9	.8	K35	150	9	1
APR 04...	1610	38	6.0	17.0	50	15	9.1	1.6	270	K95	9	2
JUL 11...	1930	41	6.7	31.0	20	5	7.7	.4	K10	K50	11	1

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 17...	3.9	.9	3.2	31	.4	--	1.4	18	0	15	3.2	4.5
FEB 08...	2.5	.6	3.0	39	.4	--	1.1	9	0	7	4.6	4.0
APR 04...	2.6	.6	3.1	39	.5	--	1.2	8	0	7	5.9	3.7
JUL 11...	3.3	.7	2.7	32	.4	4.0	1.3	12	0	10	4.9	3.5

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)
NOV 17...	.0	5.5	39	32	.05	.02	.34	.36	1.6	.02	--	--
FEB 08...	.0	6.7	40	27	.05	.08	.41	.49	2.2	.03	--	--
APR 04...	.1	6.2	39	27	.05	.07	.35	.42	1.9	.02	.06	.06
JUL 11...	.1	6.2	40	29	.05	.02	.40	.42	1.9	.03	.09	.09

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SABINE RIVER BASIN

08027710 ANACOCO LAKE AT DAM NEAR LEESVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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, RFOV. 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)
NOV 17...	1	1	1	0	0	0	3	20	40	0	2
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/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 17...	0	70	110	.0	.01	5	0	5.3	.00	2	.0
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	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)	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)	DDT, TOTAL (UG/L)
NOV 17...	0	.00	.00	.0	.0	0	.00	.0	.00	.0	.00
DATE	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)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (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)
NOV 17...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
DATE	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)	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)
NOV 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 17...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08027450 LAKE VERNON (UPPER ANACOCO LAKE) AT DAM NEAR LEESVILLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 16...	1745	39	6.2	19.0	5	2	6.1	.1	--	7600	9	1
FEB 08...	0900	35	6.3	6.0	40	10	11.4	1.2	K5	K35	7	0
APR 04...	1535	33	6.1	17.0	50	10	9.4	3.0	330	K95	7	3
JUL 11...	1900	32	6.2	29.5	30	3	7.0	--	<5	K5	7	3

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 16...	2.4	.8	3.2	39	.5	--	1.2	10	0	8	3.8	4.7
FEB 08...	1.8	.6	3.1	44	.5	--	1.2	9	0	7	2.3	3.9
APR 04...	1.7	.6	3.3	42	.6	--	2.6	5	0	4	5.3	4.8
JUL 11...	1.9	.6	2.7	40	.4	4.1	1.4	5	0	4	5.1	3.5

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 16...	.0	4.6	35	26	.05	.01	.35	.36	1.6	.05	--	--
FEB 08...	.0	6.1	38	23	.05	.08	.47	.55	2.4	.24	--	--
APR 04...	.1	8.0	39	29	.05	.08	.42	.50	2.2	.02	.06	.06
JUL 11...	.0	5.8	31	23	.04	.02	.56	.58	2.6	.02	.06	.06

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED IN BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED IN BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERED IN BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERED IN BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
NOV 16...	1	0	1	0	0	0	5	20	60	0	3

DATE	LEAD, RECOVERED IN BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERED IN BOTTOM MATERIAL (UG/G AS Mn)	MERCURY TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY RECOVERED IN BOTTOM MATERIAL (UG/L AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOVERED IN BOTTOM MATERIAL (UG/G AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 16...	0	30	14	.0	.01	10	0	6.3	.00	3	.0

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SABINE RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

08027450 LAKE VERNON (UPPER ANACOCO LAKE) AT DAM NEAR LEESVILLE, LA

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	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 (UG/L)
NOV 16...	0	.00	.00	.0	.0	3	.00

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	DI- FLDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 16...	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- 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)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
NOV 16...	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 16...	.00	.00	.0	.00	0	0	.00	.0	.02	.02	.00

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

DATE	TIME	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SIREP- TUCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
NOV 17...	1145	522	6.9	19.0	240	4	11.7	--	12000	11000	41	0
FEB 08...	1115	54	6.5	1.0	80	40	10.9	2.6	980	1500	9	1
APR 05...	0900	70	6.2	15.0	80	50	8.3	2.6	K2800	1500	10	1
JUL 12...	0900	527	7.3	25.5	80	30	6.0	2.5	K250	270	30	0

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (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)
NOV 17...	14	1.4	94	61	6.4	4.8	74	0	61	110	47	--
FEB 08...	2.8	.5	6.6	57	1.0	1.3	10	0	8	8.0	4.7	.0
APR 05...	3.2	.6	8.9	61	1.2	1.4	12	0	10	11	5.9	.1
JUL 12...	10	1.3	100	86	7.9	5.1	74	0	61	130	47	.2
DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	
NOV 17...	18	346	326	.47	21	--	--	--	--	--	25	
FEB 08...	6.6	48	35	.07	--	.12	.49	.61	2.7	.14	11	
APR 05...	7.1	59	44	.08	102	--	--	--	--	--	14	
JUL 12...	12	362	342	.49	--	.34	1.5	1.8	8.1	.16	--	
DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN HUI- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE 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)
NOV 17...	1	0	1	0	0	0	0	1	0	1	0	20
APR 05...	1	1	0	0	1	0	1	1	0	1	0	0
DATE	CHRO- MIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE 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, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)
NOV 17...	0	0	8	0	8	5	410	24	3	0	3	0
APR 05...	4	0	15	10	5	16	120	89	71	71	0	0
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 SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
NOV 17...	260	10	.0	.0	.0	.01	3	0	3	0	0	0
APR 05...	20	13	.1	.1	.0	.01	5	5	0	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	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 (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 17...	3.0	20	0	20	0	.00	5	.0	0	.00	.00	.0
APR 05...	2.1	30	20	8	3	.00	3	.0	0	.00	.00	.0

DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)
NOV 17...	.0	0	.00	.0	.00	.0	.00	.0	.00	.0	.00
APR 05...	.0	0	.00	.0	.00	.0	.00	.0	--	.0	.00

DATE	DI- ELDRIN, 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 TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 05...	.0	.00	.0	--	.0	.00	.0	.00	.0

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)	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)	MIXEX, TOTAL (UG/L)
NOV 17...	.00	.0	.00	.0	.00	.0	.00	.0	.00
APR 05...	.00	.0	--	.0	--	.0	--	.0	.00

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, 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)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 17...	.00	.0	0	0	.00	.0	.00	.00	.00
APR 05...	--	.0	0	0	--	.0	.00	.00	.00

ELUTRIATE STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in Fools River, Ha Ha Bayou, and Tensas River.

315258091344200 FOOLS RIVER 5.2 MILES NORTHEAST OF SICILY ISLAND, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT
OCT 31...	1000	586	7.7	21.0	6.6	22	200	0	52	18	38	28
DATE	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE AS HCO3	CARBONATE AS CO3	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 31...	1.2	4.5	257	0	211	17	54	22	20	19	.00	.01
DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)
OCT 31...	.07	.02	.03	.61	.66	.68	.00	.68	.69	3.1	.12	.08
DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR)	CHROMIUM, DIS-SOLVED (UG/L AS CR)
OCT 31...	4	1	3	0	0	0	1	0	1	0	0	0
DATE	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 31...	0	5	0	5	10	3	0	3	190	130	60	.0
DATE	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED DIS-SOLVED (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 31...	.0	.0	4	1	3	0	0	0	.0	20	10	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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ELUTRIATE STUDY--Continued

315258091344200 FOOLS RIVER 5.2 MILES NORTHEAST OF SICILY ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCR, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
OCT 31...	7.0	.00	1	0	.0	.0	0	.00	.00	.00	.0	.0
	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	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, DIS- SOLVED (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 31...	.0	0	.00	.00	.1	.00	.00	.5	.00	.4	.51	.00
	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELORIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	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, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 31...	.0	.00	.00	.0	.00	.00	.00	.0	.00	.0	.00	.00
	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)
OCT 31...	.0	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00	.00
	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, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, DIS- SOLVED (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)
OCT 31...	.00	.0	.00	.0	.00	.00	.00	.00	.0	.00	0	0
	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, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
OCT 31...	0	.00	.0	.05	.05	.21	.23	.00	.00	9.03	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

314031091460900 HA HA BAYOU 4.5 MILES NORTHEAST OF JONESVILLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	HARDNESS, CARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	
NOV 01...	1100	358	7.2	19.5	9.7	22	54	14	15	4.0	46	64	
DATE		SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
NOV 01...	2.7	2.8	49	0	40	17	76	7	4	.00	.01	.05	
DATE		NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
NOV 01...	.00	.00	1.1	.82	1.1	.28	.82	1.1	4.9	.05	.02	1	
DATE		ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS RE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
NOV 01...	0	1	0	0	0	1	0	1	0	0	0	0	0
DATE		COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)
NOV 01...	4	1	3	60	6	4	2	40	30	10	.0	.0	
DATE		MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	
NOV 01...	.0	2	0	2	0	0	0	.0	10	0	10		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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ELUTRIATE STUDY--Continued

314031091460900 HA HA BAYOU 4.5 MILES NORTHEAST OF JONESVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCR, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
NOV 01...	7.6	.00	2	0	.0	.0	0	.00	.00	.00	.0	.0
DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	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, DIS- SOLVED (UG/L)	DI- AZINON, TOTAL (UG/L)
NOV 01...	.0	0	.00	.00	.0	.00	.00	.0	.00	.0	.00	.00
DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN DIS- SOLVED (UG/L)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	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, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 01...	.0	.00	.00	.0	.00	.00	.00	.0	.00	.0	.00	.00
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)
NOV 01...	.0	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00	.00
DATE	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, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, DIS- SOLVED (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)
NOV 01...	.00	.0	.00	.0	.00	.00	.00	.00	.0	.00	0	0
DATE	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, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
NOV 01...	0	.00	.0	.03	.01	.03	.02	.00	.00	5.05	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

313818091454300 TENSAS RIVER 3.7 MILES NORTHEAST OF JONESVILLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT
NOV 01...	1500	556	8.2	20.5	10.4	24	230	11	66	17	40	27
DATE	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (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)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
NOV 01...	1.1	4.3	267	0	219	15	55	21	13	.10	.01	.06
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
NOV 01...	.00	.00	.72	.48	.78	.30	.48	.89	3.9	.11	.06	4
DATE	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)
NOV 01...	0	4	0	0	0	1	0	1	0	0	0	0
DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)
NOV 01...	4	1	3	10	6	4	2	80	70	10	.0	.0
DATE	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED 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, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	
NOV 01...	.0	3	0	3	1	0	1	.0	20	10	10	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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ELUTRIATE STUDY--Continued

313818091454300 TENSAS RIVER 3.7 MILES NORTHEAST OF JONESVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
NOV 01...	5.8	.00	1	0	.0	.0	0	.00	.00	.00	.0	.0
DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	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, DIS- SOLVED (UG/L)	DI- AZINON, TOTAL (UG/L)
NOV 01...	.0	0	.00	.00	.1	.00	.00	.2	.00	.2	.00	.00
DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	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, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 01...	.0	.00	.00	.0	.00	.00	.00	.0	.00	.0	.00	.00
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)
NOV 01...	.0	.00	.00	.0	.00	.00	.0	.00	.00	.0	.00	.00
DATE	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, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, DIS- SOLVED (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)
NOV 01...	.00	.0	.00	.0	.00	.00	.00	.00	.0	.00	0	0
DATE	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, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
NOV 01...	0	.00	.0	.07	.00	.38	.00	.00	.00	.00	8.21	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07350020 LOGGY BAYOU NEAR EAST POINT, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JUL 07...	1200	93	93

315704093287100 LOUIE'S BAYOU NEAR EVELYN, LA

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SED- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	STREAM- FLOW, INSTAN- TANEOUS (CFS)
JAN 08...	1445	25	1.5	76	22
22...	1515	19	1.1	68	20
FEB 06...	1305	31	.86	58	19
APR 04...	1305	50	4.6	80	34
MAY 04...	1103	132	63	53	177
30...	1615	60	1.3	93	7.9

315533093290300 PRAIRIE BAYOU NEAR EVELYN, LA

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SED- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	STREAM- FLOW, INSTAN- TANEOUS (CFS)
JAN 08...	1520	37	2.5	65	24

315501093282900 RAMBIN BAYOU NEAR EVELYN, LA

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SED- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	STREAM- FLOW, INSTAN- TANEOUS (CFS)
JAN 08...	1600	55	8.8	58	59
22...	1635	61	11	52	67
FEB 06...	1400	143	62	67	161
APR 04...	1400	95	43	85	169
MAY 04...	1230	515	513	86	369
30...	1300	72	1.6	83	8.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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CALCASIEU RIVER BASIN

08023375 BAYOU SAN PATRICIO AT OXFORD, LA

DATE	TIME	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SEDIMENT SUSP. SIEVE DIAM. % FINER THAN .062 MM	STREAM- FLOW, INSTANTANEOUS (CFS)
APR 09...	1500	40	3.1	74	29
MAY 30...	1500	98	14	86	54

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1979 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN					
07344400 RED RIVER NEAR HOSSTON					
OCT. 17, 1978.....	20.0	---	SEPT. 5, 1979..	29.5	---
07344450 PAW PAW BAYOU NEAR GREENWOOD					
NOV. 28, 1978.....	12.0	7.8	APR. 27.....	18.0	---
JAN. 23, 1979.....	3.5	12.4	MAY 4.....	18.5	---
MAR. 21.....	16.5	---	JUNE 19.....	25	6.0
MAR. 31.....	18.5	---	JULY 17.....	21.5	---
APR. 2.....	18.0	---	SEPT. 28.....	18.0	---
07348000 TWELVEMILE BAYOU NEAR DIXIE					
NOV. 30, 1978.....	14.0	---	JULY 18.....	28.0	---
JAN. 25, 1979.....	4.3	---	SEPT. 5.....	31.0	---
MAR. 20.....	17.0	---	SEPT. 27.....	26.5	---
JUNE 19.....	28.5	---			
07348700 BAYOU DORCHEAT NEAR SPRINGHILL					
OCT. 4, 1978....	21.0	---	APR. 25.....	18.0	---
NOV. 7.....	16.5	---	JUNE 7.....	25.5	---
DEC. 5.....	8.0	7.6	JULY 19.....	25.5	5.6
JAN. 23, 1979....	6.5	10.2	AUG. 21.....	26.0	6.0
MAR. 14.....	15.0	---			
07349000 BAYOU DORCHEAT NEAR MINDEN					
NOV. 7, 1978....	15.0	---	MAR. 21.....	17.0	---
DEC. 6.....	11.5	---	JUNE 6.....	22.5	---
JAN. 24, 1979....	6.0	10.6	AUG. 14.....	26.5	---
07349500 BODCAU BAYOU NEAR SAREPTA					
DEC. 1, 1978....	11.5	5.4	JUNE 7.....	26.0	---
JAN. 23, 1979....	6.5	8.4	JULY 19.....	23.5	---
MAR. 15.....	13.0	---	AUG. 22.....	26.0	---
APR. 23.....	19.0	---			
07349795 CYPRESS BAYOU ABOVE BENTON					
DEC. 1, 1978....	9.0	6.6	APR. 23.....	17.5	---
JAN. 31, 1979....	3.0	---	JUNE 12.....	23.0	---
FEB. 2.....	3.0	12.6	JULY 10.....	22.0	---
MAR. 16.....	9.0	---	AUG. 22.....	24.5	---
07351000 BOGGY BAYOU NEAR KEITHVILLE					
NOV. 30, 1978....	10.0	8.8	APR. 24.....	20.5	---
FEB. 13, 1979....	9.5	10.2	JUNE 3.....	23.5	6.3
MAR. 27.....	17.0	---	AUG. 23.....	27.5	---
07351600 BAYOU PIERRE NEAR GRAND BAYOU					
OCT. 31, 1978....	16.0	9.2	JULY 17.....	26.0	7.0
NOV. 27.....	15.5	7.1	AUG. 29.....	32.0	---
JUNE 6, 1979....	26.0	---			
07352000 SALINE BAYOU NEAR LUCKY					
NOV. 16, 1978....	20.0	4.4	JUNE 19.....	22.0	5.7
JAN. 22, 1979....	9.0	10.2	JULY 9.....	25.5	5.8
MAR. 13.....	16.0	---	AUG. 15.....	27.0	6.5
MAY 17.....	13.0	---			
07354000 LITTLE SANDY CREEK AT KISATCHIE					
NOV. 2, 1978....	16.5	10.5	JUNE 1.....	27.0	---
DEC. 15.....	8.0	---	July 6.....	23.0	---
JAN. 24, 1979....	4.5	---	AUG. 16.....	24.0	---
MAR. 8.....	8.5	---	SEPT. 24.....	18.5	---
APR. 18.....	19.0	---			
07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE					
OCT. 18, 1978....	19.0	---	AUG. 9, 1979..	29.0	5.9

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07364200 BAYOU BARTHOLOMEW NEAR JONES					
OCT. 24, 1978.....	18.0	4.5	JUNE 6.....	28.5	---
JAN. 26, 1979.....	5.0	10.2	JULY 11.....	27.0	3.6
MAR. 14.....	14.0	9.0	AUG. 21.....	28.0	---
APR. 26.....	20.0	4.9	SEPT. 26.....	24.5	6.0
07364300 CHEMIN-A-HAUT BAYOU NEAR BEEKMAN					
JAN. 25, 1979.....	5.0	9.0	JUNE 5.....	22.5	---
MAR. 14.....	12.0	7.6	JULY 10.....	26.5	5.0
MAR. 15.....	11.5	7.6	AUG. 21.....	26.0	---
APR. 25.....	21.0	---			
07366200 LITTLE CORNEY BAYOU NEAR LILLIE					
DEC. 13, 1978.....	5.0	10.8	APR. 27.....	19.0	6.2
JAN. 9, 1979.....	2.0	13.6	JUNE 7.....	18.5	6.7
JAN. 22.....	8.0	---	JULY 10.....	25.0	6.3
MAR. 6.....	15.0	---	AUG. 13.....	25.0	---
07368000 BOEUF RIVER NEAR GIRARD					
OCT. 25, 1978.....	20.0	7.5	JUNE 13.....	24.5	4.7
DEC. 12.....	6.5	9.4	JULY 11.....	26.5	5.1
JAN. 16, 1979.....	3.0	12.6	AUG. 24.....	27.0	---
MAR. 8.....	12.5	8.5	SEPT. 27.....	21.0	5.0
APR. 23.....	18.5	6.7			
07369000 BAYOU LAFOURCHE NEAR CREW LAKE					
NOV. 2, 1978.....	20.0	8.9	JUNE 11.....	25.2	6.2
DEC. 12.....	6.5	11.8	JUNE 14.....	26.0	6.2
JAN. 16, 1979.....	2.5	11.7	JULY 2.....	30.0	6.4
MAR. 7.....	13.0	7.4	JULY 12.....	28.5	6.8
APR. 18.....	16.5	---	AUG. 20.....	29.0	---
MAY 11.....	19.4	---	SEPT. 24.....	24.0	---
MAY 24.....	23.0	---			
07369500 TENSAS RIVER AT TENDAL					
NOV. 3, 1978.....	18.0	9.6	APR. 16.....	24.0	---
DEC. 7.....	12.5	7.5	JUNE 15.....	24.3	5.1
JAN. 25, 1979.....	6.0	9.6	JULY 17.....	28.0	4.6
MAR. 9.....	12.0	8.2	AUG. 23.....	28.0	---
07370000 BAYOU MACON NEAR DELHI					
OCT. 25, 1978.....	19.0	9.0	JUNE 26.....	27.2	---
JAN. 24, 1979.....	6.0	10.2	JULY 12.....	27.0	5.0
MAR. 8.....	11.5	9.8	AUG. 23.....	29.0	---
APR. 1.....	20.0	---	SEPT. 27.....	23.0	7.6
MAY 24.....	21.5	---			
07371500 DUGDEMONA RIVER NEAR JONESBORO					
NOV. 20, 1978.....	---	2.5	JULY 9.....	27.0	1.1
APR. 3, 1979.....	16.5	---	AUG. 14.....	28.0	1.0
JUNE 14.....	25.0	---			
07372200 LITTLE RIVER NEAR ROCHELLE					
NOV. 3, 1978.....	21.5	6.8	MAR. 12.....	13.0	---
NOV. 20.....	14.5	6.6	JUNE 12.....	26.0	5.9
DEC. 13.....	8.5	---	JULY 10.....	29.0	3.0
JAN. 5, 1979.....	4.0	11.6	AUG. 6.....	30.0	6.9
JAN. 24.....	8.5	---	SEPT. 26.....	20.0	6.1
07373000 BIG CREEK AT POLLOCK					
NOV. 14, 1978.....	16.5	---	JUNE 5.....	22.5	---
NOV. 20.....	12.0	9.8	JULY 9.....	26.0	7.1
NOV. 27.....	16.0	---	AUG. 6.....	20.0	8.8
DEC. 11.....	8.0	---	SEPT. 24.....	17.0	---
MAR. 12, 1979	11.0	10.2			

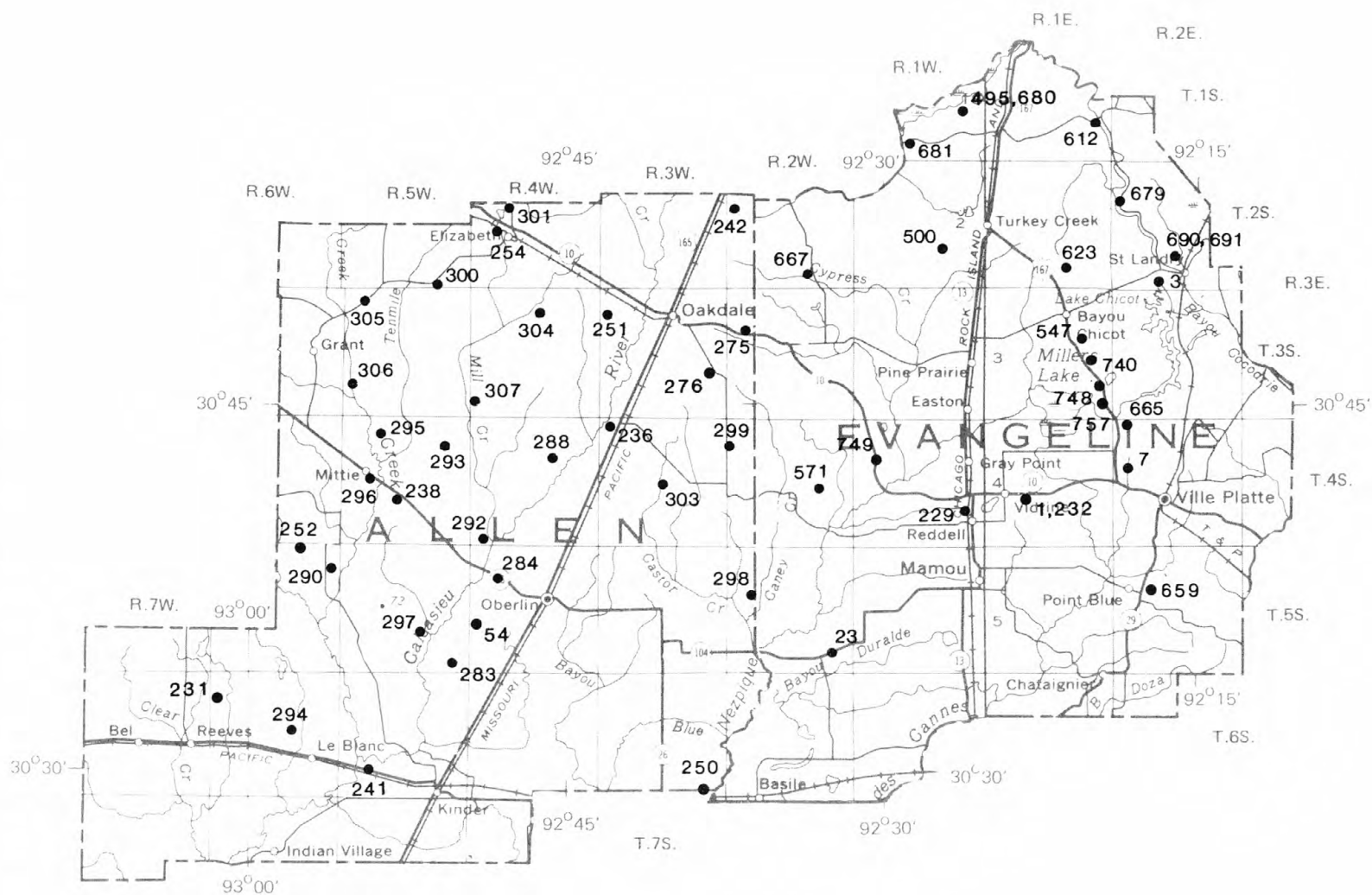
TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1979 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA					
07381800 SPRING CREEK NEAR GLENMORA					
NOV. 2, 1978.....	16.5	8.3	MAR. 8.....	14.0	10.4
DEC. 13.....	9.5	10.8	JUNE 6.....	20.0	---
FEB. 7, 1979.....	6.0	---	JULY 19.....	22.5	7.7
FEB. 24.....	16.5	11.4	AUG. 7.....	21.5	8.5
07382000 BAYOU COCODRIE NEAR CLEARWATER					
NOV. 2, 1978.....	18.0	2.3	APR. 16.....	24.0	3.3
NOV. 6.....	18.0	3.3	JUNE 5.....	25.5	3.7
DEC. 13.....	7.5	7.7	JULY 16.....	28.0	3.7
JAN. 25, 1979.....	8.0	6.4	SEPT. 24.....	22.0	3.0
MAR. 8.....	12.5	5.0			
07382500 BAYOU COURTABLEAU AT WASHINGTON					
OCT. 26, 1978.....	22.0	7.1	APR. 16.....	23.0	6.9
DEC. 6.....	13.5	9.4	JUNE 12.....	25.5	---
DEC. 15.....	13.0	11.2	JULY 12.....	28.0	---
JAN. 10, 1979.....	7.5	---	AUG. 15.....	28.0	---
FEB. 14.....	12.0	---	SEPT. 27.....	21.5	---
MAR. 23.....	18.0	8.4			
07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE					
OCT. 31, 1978.....	21.5	---	JUNE 15.....	27.0	5.0
DEC. 12.....	7.0	7.8	JUNE 18.....	27.0	5.2
JAN. 25, 1979.....	6.5	8.8	JULY 12.....	26.5	3.7
MAR. 5.....	12.5	8.6			
07385500 BAYOU TECHE AT ARNAUDVILLE					
OCT. 25, 1978.....	21.5	---	APR. 16.....	22.5	5.8
DEC. 6.....	15.5	7.8	JUNE 12.....	25.0	---
JAN. 10, 1979.....	7.0	---	AUG. 14.....	29.0	---
FEB. 14.....	11.5	---	SEPT. 27.....	27.0	---
MAR. 22.....	19.0	8.0			
MERMENTAU RIVER BASIN					
08010000 BAYOU DES CANNES NEAR EUNICE					
OCT. 26, 1978.....	19.5	2.2	FEB. 15.....	11.5	---
NOV. 3.....	19.0	---	MAR. 27.....	17.5	5.9
DEC. 7.....	19.0	5.4	APR. 30.....	21.0	7.6
DEC. 15.....	12.5	---	JUNE 13.....	28.5	---
JAN. 12, 1979.....	8.0	---	AUG. 28.....	31.5	---
JAN. 24.....	9.5	---	SEPT. 26.....	24.5	---
08011500 BOGGY BAYOU NEAR PINE BRAIRIE					
DEC. 13, 1978.....	---	9.3	JUNE 5.....	24.0	5.8
MAR. 6, 1979.....	13.0	8.6	JULY 16.....	26.0	5.9
APR. 16.....	22.0	6.5			
08012000 BAYOU NEZPIQUE NEAR BASILE					
OCT. 24, 1978.....	21.5	2.8	JUNE 13.....	25.0	---
DEC. 7.....	17.0	9.8	JUNE 18.....	28.0	---
JAN. 12, 1979.....	8.5	---	AUG. 28.....	28.0	---
FEB. 15.....	12.0	---	SEPT. 25.....	22.0	---
MAR. 27.....	16.5	6.8	SEPT. 26.....	22.0	---
APR. 26.....	21.5	6.2			
CALCASIEU RIVER BASIN					
08013000 CASCASIEU RIVER NEAR GLENMORA					
NOV. 1, 1978.....	17.5	8.5	JUNE 8.....	25.5	6.4
NOV. 20.....	15.5	---	JULY 18.....	26.5	6.9
DEC. 15.....	7.0	8.3	AUG. 7.....	25.5	7.9
JAN. 26, 1979.....	6.5	---	SEPT. 27.....	29.5	6.9

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
CALCASIEU RIVER BASIN--Continued					
08014500 WHISKY CHITTO CREEK NEAR OBERLIN					
NOV. 1, 1978.....	16.0	11.0	APR. 23.....	21.0	---
NOV. 20.....	15.0	---	JUNE 1.....	21.0	7.5
DEC. 18.....	8.0	10.8	JULY 10.....	22.0	9.5
JAN. 29, 1979.....	6.5	---	AUG. 10.....	25.0	7.5
FEB. 26.....	12.5	8.7			
08014800 BUNDICK CREEK NEAR DE RIDDER					
OCT. 2, 1978.....	22.0	6.5	APR. 18.....	19.0	7.5
NOV. 1.....	15.5	7.7	JULY 13.....	23.0	---
DEC. 18.....	8.5	8.9	AUG. 10.....	24.0	5.9
JAN. 31, 1979.....	5.0	12.8	SEPT. 25.....	19.5	7.1
MAR. 6.....	11.5	8.8			
08015500 CALCASIEU RIVER NEAR KINDER					
OCT. 31, 1978.....	21.5	---	JAN. 22, 1979..	8.5	---
DEC. 7.....	15.5	---	FEB. 22.....	10.5	---
DEC. 14.....	14.0	---			
08016400 BECKWITH CREEK NEAR DE QUINCY					
OCT. 27, 1978.....	19.0	---	JULY 6.....	26.5	---
DEC. 6.....	16.0	---	AUG. 16.....	25.5	---
JAN. 11, 1979.....	5.5	---	SEPT. 20.....	20.5	---
FEB. 26.....	15.5	---	SEPT. 27.....	21.0	---
SABINE RIVER BASIN					
08022765 BAYOU CASTOR NEAR FUNSTON					
DEC. 19, 1978.....	15.5	---	MAY 31.....	21.0	---
JAN. 23, 1979.....	8.5	---	JULY 3.....	22.5	---
MAR. 9.....	11.0	10.7	AUG. 14.....	24.0	2.5
APR. 17.....	17.5	---	SEPT. 26.....	18.5	---
08025500 BAYOU TORO NEAR TORO					
NOV. 2, 1978.....	18.0	7.4	MAY 29.....	22.0	---
DEC. 19.....	17.5	---	JULY 5.....	21.0	7.2
JAN. 24, 1979.....	8.5	---	AUG. 16.....	25.5	6.3
MAR. 9.....	14.5	---	SEPT. 28.....	20.5	6.8
APR. 17.....	18.0	---			
08028000 BAYOU ANACOCO NEAR ROSEPINE					
NOV. 1, 1978.....	18.5	---	MAY 31.....	20.0	7.4
DEC. 19.....	11.5	9.1	JULY 12.....	25.0	7.9
JAN. 25, 1979.....	7.0	---	JULY 17.....	25.5	7.9
MAR. 5.....	13.0	10.2	AUG. 9.....	28.0	6.2
APR. 17.....	22.0	7.4	SEPT. 25.....	23.0	7.9
08028700 HOOSIER CREEK NEAR MERRYVILLE					
NOV. 1, 1978.....	19.0	---	MAY 31.....	20.0	6.9
DEC. 19.....	11.0	9.3	JULY 11.....	22.5	8.0
JAN. 23, 1979.....	10.0	10.4	AUG. 9.....	23.0	7.0
MAR. 5.....	13.0	9.4	SEPT. 25.....	19.0	7.7
APR. 17.....	19.0	7.8			



Figure 5. — Location of observation wells.



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

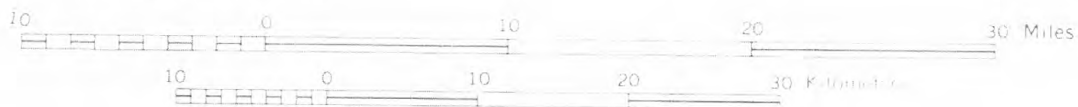


Figure 6. — Location of observation wells, Allen and Evangeline Parishes.

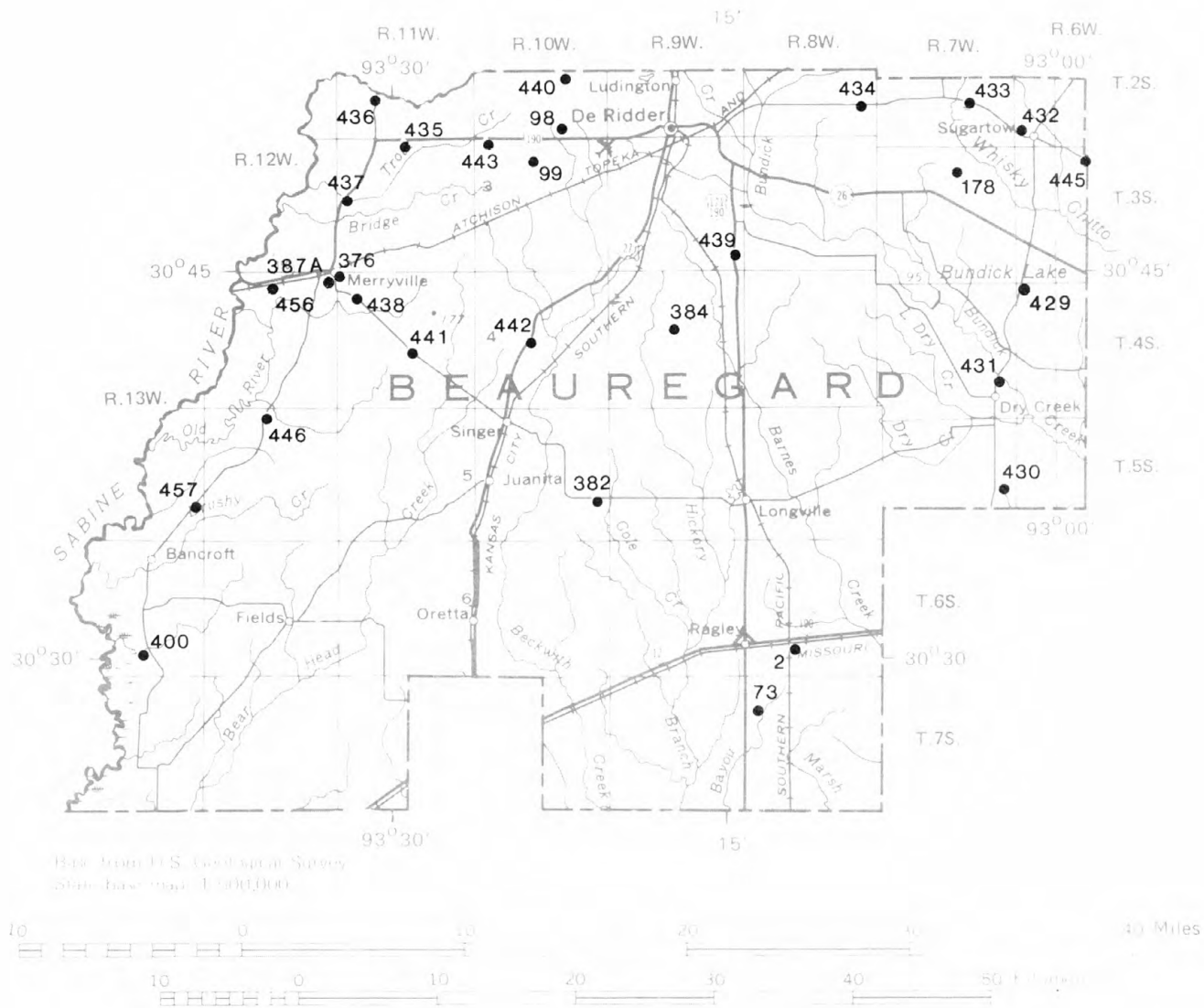


Figure 7. — Location of observation wells, Beauregard Parish.

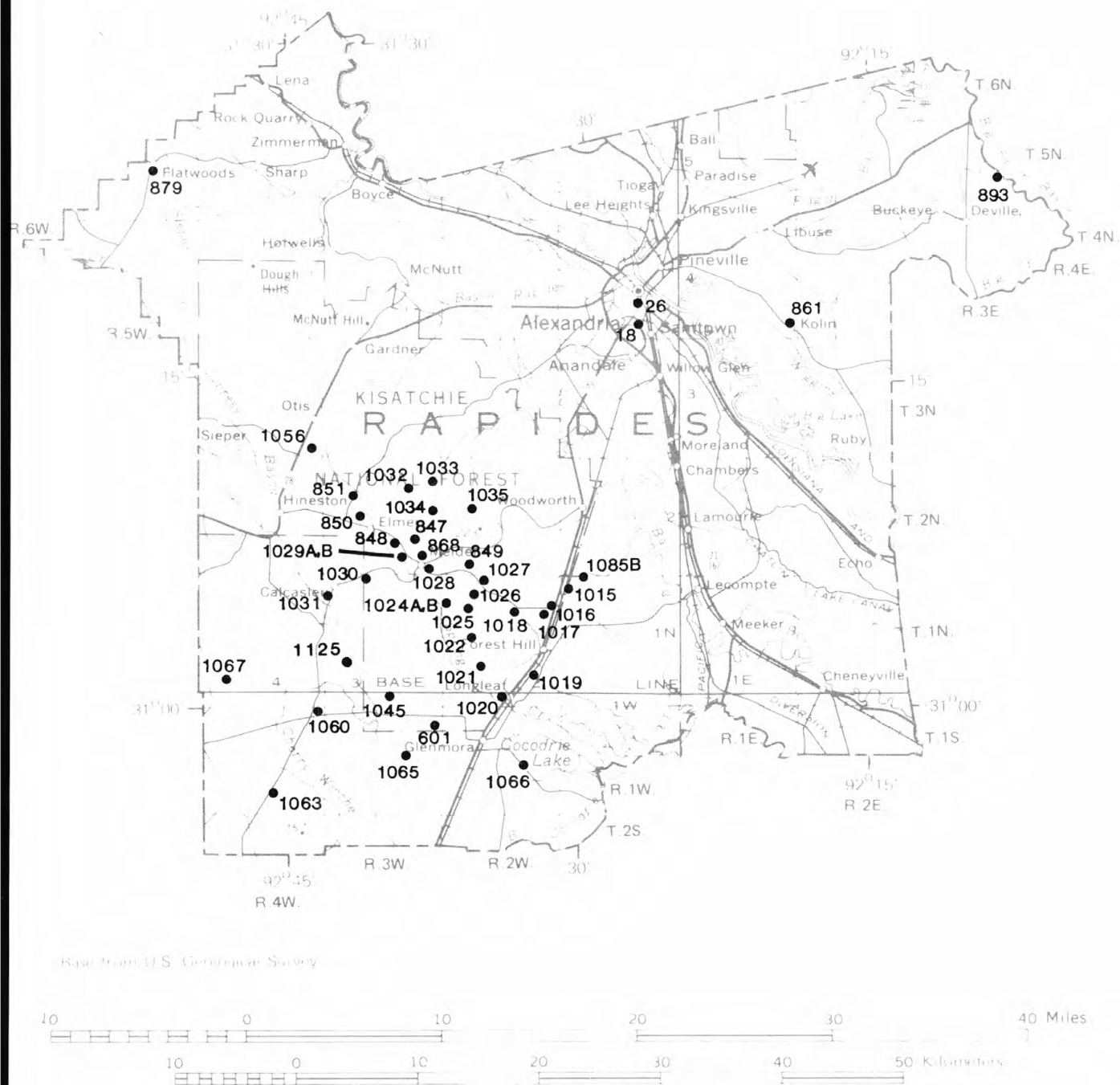


Figure 8. — Location of observation wells, Rapides Parish.

GROUND-WATER LEVELS

ALLEN PARISH

303554092485401 LOCAL WELL NUMBER: AL-54

OWNER: J. A. BEL ESTATE. (SEC. 19, T. 5S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, REPORTED DEPTH 290 FT, SCREENED 210-290. MP LOWER LIP OF DISCHARGE PIPE, 8.55 FT ABOVE LSD.
 LSD 62.58 FT NGVD.
 HIGHEST WATER LEVEL 26.62 BELOW LSD, APR. 5, 1948,
 LOWEST WATER LEVEL 39.79 BELOW LSD, MAR. 5, 1979.
 RECORDS AVAILABLE 1945, 1947-72, 1974, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	39.79						

303318093012601 LOCAL WELL NUMBER: AL-231

OWNER: FELICIA FONTENOT ESTATE AND OTHERS. (SEC. 6, T. 6S., R. 6W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 280 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 1.70 FT ABOVE LSD (SINCE 3/11/76).
 LSD 65.63 FT NGVD.
 HIGHEST WATER LEVEL 26.28 BELOW LSD, MAR. 11, 1976,
 LOWEST WATER LEVEL 34.94 BELOW LSD, MAR. 7, 1979.
 RECORDS AVAILABLE 1954-66, 1968-72, 1974, 1976, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	34.94						

304428092422201 LOCAL WELL NUMBER: AL-236

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 4S., R. 3W.) JETTED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 77 FT, SCREENED 72-77. MP TOP OF 1 1/4-IN PIPE, 1.50 FT ABOVE LSD.
 LSD 102.71 FT NGVD.
 HIGHEST WATER LEVEL 34.68 BELOW LSD, AUG. 29, 1963,
 LOWEST WATER LEVEL 41.79 BELOW LSD, NOV. 13, 1978.
 RECORDS AVAILABLE 1954-69, 1971-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1978	41.79	MAR. 7, 1979	39.23				

304115092523901 LOCAL WELL NUMBER: AL-238

OWNER: INDUSTRIAL LUMBER CO. (SEC. 21, T. 4S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 10 IN, REPORTED DEPTH 171 FT, SCREENED 99-171. MP LOWER LIP OF DISCHARGE PIPE, 5.20 FT ABOVE LSD.
 LSD 92.62 FT NGVD.
 HIGHEST WATER LEVEL 35.60 BELOW LSD, FEB. 27, 1974,
 LOWEST WATER LEVEL 41.03 BELOW LSD, AUG. 23, 1965.
 RECORDS AVAILABLE 1961-72, 1974-75, 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	37.93						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	34.26	MAR. 7, 1979	29.09				

305325092365801 LOCAL WELL NUMBER: AL-242

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 25., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 93 FT, SCREWNED 90-93. MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.
 LSD 129.51 FT NGVD.
 HIGHEST WATER LEVEL 26.34 BELOW LSD, MAR. 26, 1962.
 LOWEST WATER LEVEL 29.82 BELOW LSD, SEP. 14, 1972.
 RECORDS AVAILABLE 1958-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	28.00						

302934092402801 LOCAL WELL NUMBER: AL-250

OWNER: MRS. R. R. MCCLELLAND. (SEC. 35, T. 6S., R. 3W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 10 IN, REPORTED DEPTH 287 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.12 FT ABOVE LSD.
 LSD 55.49 FT NGVD.
 HIGHEST WATER LEVEL 70.41 BELOW LSD, MAR. 24, 1964.
 LOWEST WATER LEVEL 82.51 BELOW LSD, MAR. 7, 1979.
 RECORDS AVAILABLE 1964-66, 1968-72, 1974, 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	82.51						

304848092414801 LOCAL WELL NUMBER: AL-251

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3S., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 67 FT, SCREENED 64-67. MP TOP OF 1 1/4-IN PIPE, 2.00 FT ABOVE LSD.
 LSD 105.79 FT NGVD.
 HIGHEST WATER LEVEL 15.65 BELOW LSD, FEB. 26, 1974.
 LOWEST WATER LEVEL 21.24 BELOW LSD, OCT. 26, 1965.
 RECORDS AVAILABLE 1964-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	16.72						

303937092572901 LOCAL WELL NUMBER: AL-252

OWNER: LOUIS FUSELIER AND E. P. VIDRINE. (SEC. 35, T. 4S., R. 6W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 202 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.30 FT ABOVE LSD.
 LSD 86.30 FT NGVD.
 HIGHEST WATER LEVEL 25.60 BELOW LSD, FEB. 27, 1974.
 LOWEST WATER LEVEL 33.72 BELOW LSD, FEB. 18, 1971.
 RECORDS AVAILABLE 1963-68, 1970-72, 1974-75, 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	29.78						

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 71.19 BELOW LSD, NOV. 8, 1978.
 LOWEST WATER LEVEL 78.54 BELOW LSD, FEB. 22, 1972.
 RECORDS AVAILABLE 1966-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	71.19	MAR. 9, 1979	72.95				

GROUND-WATER LEVELS

ALLEN PARISH

304804092362801 LOCAL WELL NUMBER: AL-275

OWNER: MRS. RAYMOND BRABHAN. (SEC. 18, T. 35., 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 41.38 BELOW LSD, MAR. 7, 1979.
 RECORDS AVAILABLE 1974, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	41.38						

304634092380301 LOCAL WELL NUMBER: AL-276

OWNER: PEARL FOYIL. (SEC. 24, T. 35., 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 37.68 BELOW LSD, NOV. 17, 1972.
 RECORDS AVAILABLE 1972-74, 1976, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	33.73						

303443092502801 LOCAL WELL NUMBER: AL-283

OWNER: LON C. ROGERS. (SEC. 36, T. 55., 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	40.02	MAR. 5, 1979	37.84				

303813092480701 LOCAL WELL NUMBER: AL-284

OWNER: MARLER'S STORE. (SEC. 8, T. 55., 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	39.13	MAR. 5, 1979	38.05				

304305092454601 LOCAL WELL NUMBER: AL-288

OWNER: TOMMY DOYLE. (SEC. 10, T. 45., 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	22.90						

303853092561601 LOCAL WELL NUMBER: AL-290

OWNER: WM. B. J. COOK. (SEC. 1, T. 5S., R. 6W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 103 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN CASING WITH ELBOW UNSCREWED, 1.70 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 12.19 BELOW LSD, FEB. 28, 1974.
 LOWEST WATER LEVEL 17.54 BELOW LSD, NOV. 16, 1977.
 RECORDS AVAILABLE 1973-74, 1976-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	16.95						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	23.09	MAR. 5, 1979	20.43				

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 85 FT, SCREENED 80-85. 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	31.89	MAR. 8, 1979	29.57				

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 26.64 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	26.64	MAR. 7, 1979	23.90				

304404092532901 LOCAL WELL NUMBER: AL-295

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 4S., R. 5W.) 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, 2.70 FT ABOVE LSD.
 LSD 88.00 FT NGVD.
 HIGHEST WATER LEVEL 19.40 BELOW LSD, JUNE 19, 1975.
 LOWEST WATER LEVEL 25.22 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	25.22	MAR. 8, 1979	19.43				

GROUND-WATER LEVELS

ALLEN PARISH

304211092540201 LOCAL WELL NUMBER: AL-296

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 4S., R. 5W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 97 FT, SCREENED 92-97. MP TOP OF 2-IN GALV. PIPE, 3.00 FT ABOVE LSD.
 LSD 71.00 FT NGVD.
 HIGHEST WATER LEVEL 8.15 BELOW LSD, MAY 15, 1975,
 LOWEST WATER LEVEL 15.12 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	15.12	MAR. 8, 1979	9.28				

303545092514601 LOCAL WELL NUMBER: AL-297

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 5S., R. 5W.) DRILLED OBSERVATION WATER-TABLE WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 164 FT, SCREENED 159-164. MP TOP OF 2-IN GALV. PIPE, 2.90 FT ABOVE LSD.
 LSD 44.00 FT NGVD.
 HIGHEST WATER LEVEL 9.62 BELOW LSD, JUNE 19, 1975,
 LOWEST WATER LEVEL 14.46 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1975-78.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	14.46						

303732092355401 LOCAL WELL NUMBER: AL-298

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 5S., R. 2W) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 137 FT, SCREENED 132-137. MP TOP OF 2-IN GALV. PIPE, 3.20 FT ABOVE LSD.
 LSD 52.00 FT NGVD.
 HIGHEST WATER LEVEL 52.68 BELOW LSD, FEB. 3, 1975,
 LOWEST WATER LEVEL 63.67 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	61.45	MAR. 7, 1979	55.27				

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 39.07 BELOW LSD, NOV. 13, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1978	39.07	MAR. 7, 1979	38.93				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	65.88	MAR. 9, 1979	64.70				

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 56.90 BELOW LSD, MAR. 4, 1976.
 LOWEST WATER LEVEL 59.70 BELOW LSD, MAR. 9, 1979.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	59.14	MAR. 9, 1979	59.70				

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 59.10 BELOW LSD, NOV. 13, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1978	59.10	MAR. 7, 1979	58.29				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	23.80	MAR. 8, 1979	22.27				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	59.89	MAR. 9, 1979	60.29				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	9.97	MAR. 9, 1979	5.87				

GROUND-WATER LEVELS

ALLEN PARISH

304533092490701 LOCAL WELL NUMBER: AL-307

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 35., 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	23.53	MAR. 8, 1979	22.30				

AVOYELLES PARISH

305700092102301 LOCAL WELL NUMBER: AV-35

OWNER: INTERSTATE PIPE LINE CO. (SEC. 21, T. 1S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF MIOCENE-PLIOCENE AGE, DIAM 8 IN, DEPTH 716 FT, SCREENED 666-716, MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 64.00 FT NGVD.
 HIGHEST WATER LEVEL 19.48 BELOW LSD, JUNE 18, 1962.
 LOWEST WATER LEVEL 30.92 BELOW LSD, DEC. 20, 1977.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1978	30.89	MAR. 5, 1979	30.91	JUNE 15, 1979	30.70	SEP. 11, 1979	30.75

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, 1978	37.52	MAR. 5, 1979	33.31	JUNE 12, 1979	28.28	SEP. 11, 1979	34.99

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF MIOCENE-PLIOCENE AGE, DIAM 1 1/4 IN, DEPTH 192 FT, SCREENED 182-192, MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 80.00 FT NGVD.
 HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975.
 LOWEST WATER LEVEL 41.69 BELOW LSD, OCT. 3, 1966.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	37.27	JUNE 12	36.07				

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN, DEPTH 370 FT, SCREENED 320-370, MP TOP OF BREATHING PIPE, 2.00 FT ABOVE LSD.
 LSD 70.00 FT NGVD.
 HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966.
 LOWEST WATER LEVEL 85.49 BELOW LSD, SEP. 8, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1978	77.60A	MAR. 5, 1979	77.84A	JUNE 12, 1979	55.08		

See footnotes at end of table.

AVOYELLES PARISH

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF MIOCENE-PLIOCENE 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 39.73 BELOW LSD, OCT. 13, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1978	38.08	MAR. 5, 1979	38.25	JUNE 12, 1979	37.07	SEP. 11, 1979	38.44

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 64.53 BELOW LSD, DEC. 7, 1978.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	64.53	MAR. 9, 1979	63.70	JUNE 12, 1979	61.09	SEP. 11, 1979	62.80

310321092103901 LOCAL WELL NUMBER: AV-307

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. 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 69.14 BELOW LSD, JULY 16, 1974.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1978	45.54	MAR. 5, 1979	59.80C	JUNE 12, 1979	53.51	SEP. 11, 1979	62.75C

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	65.24	JAN. 24, 1979	64.22	MAR. 5, 1979	64.35		

302803093135101 LOCAL WELL NUMBER: BE-73

OWNER: DENNIS SIMON. (SEC. 7, T. 7S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 8 IN, REPORTED DEPTH 399 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.85 FT ABOVE LSD.
 LSD 78.12 FT NGVD.
 HIGHEST WATER LEVEL 58.20 BELOW LSD, MAR. 15, 1977,
 LOWEST WATER LEVEL 80.15 BELOW LSD, MAR. 5, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	80.15						

See footnotes at end of table.

GROUND-WATER LEVELS

BEAUREGARD PARISH

305033093214601 LOCAL WELL NUMBER: BE-98

OWNER: SAVOY AUGUSTINE. (SEC. 35, T. 25., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 223 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, AT LSD (SINCE 3/6/79).

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	37.77	MAR. 6, 1979	37.32				

305003093235001 LOCAL WELL NUMBER: BE-99

OWNER: SAVOY AUGUSTINE. (SEC. 4, T. 35., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 IN, REPORTED DEPTH 188 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF DISCHARGE PIPE, 8.00 FT ABOVE LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 28.12 BELOW LSD, MAY 27, 1968.

LOWEST WATER LEVEL 33.37 BELOW LSD, SEP. 7, 1972.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	31.83						

304926093040301 LOCAL WELL NUMBER: BE-178

OWNER: J. D. HOLT. (SEC. 3, T. 35., R. 7W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 110 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 187.00 FT NGVD.

HIGHEST WATER LEVEL 62.78 BELOW LSD, MAR. 13, 1974.

LOWEST WATER LEVEL 70.86 BELOW LSD, JUNE 15, 1971.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	68.63	MAR. 7, 1979	67.33				

304509093322201 LOCAL WELL NUMBER: BE-376

OWNER: MERRYVILLE WATER DEPT. (SEC. 36, T. 35., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN EVANGELINE AQUIFER OF MIOCENE-PLIOCENE 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	3.74	MAR. 6, 1979	2.40				

303614093203201 LOCAL WELL NUMBER: BE-382

OWNER: A. B. MARCANTEL. (SEC. 25, T. 5S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 250 FT, SCREENED 190-250. MP HOLE IN COVER PLATE, AT LSD.

LSD 132.00 FT NGVD.

HIGHEST WATER LEVEL 78.08 BELOW LSD, MAR. 1, 1976.

LOWEST WATER LEVEL 85.73 BELOW LSD, APR. 2, 1970.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	80.85	MAR. 5, 1979	80.14				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	66.82	MAR. 5, 1979	55.35				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	3.60	MAR. 6, 1979	2.77				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	41.68	MAR. 6, 1979	35.38				

304444093013401 LOCAL WELL NUMBER: BE-429

OWNER: BEAUREGARD PARISH SCHOOL BOARD. (SEC. 6, T. 4S., R. 6W.) DRILLED INSTITUTIONAL 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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	61.70						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	61.30	MAR. 7, 1979	61.40				

GROUND-WATER LEVELS

BEAUREGARD PARISH

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	7.42	MAR. 7, 1979	0.55				

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 122 FT, SCREENED 117-122. 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	38.29	MAR. 7, 1979	36.20				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	9.17	MAR. 4, 1979	4.81				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	44.66	MAR. 7, 1979	43.20				

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, 4.30 FT ABOVE LSD.
 LSD 129.00 FT NGVD.
 HIGHEST WATER LEVEL 12.27 BELOW LSD, JULY 16, 1975,
 LOWEST WATER LEVEL 14.76 BELOW LSD, MAR. 6, 1979.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	14.55	MAR. 6, 1979	14.76				

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 0.90 ABOVE LSD, MAR. 6, 1979,
 LOWEST WATER LEVEL 3.92 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	3.92	MAR. 6, 1979	0.90				

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 8.68 BELOW LSD, JUNE 26, 1975,
 LOWEST WATER LEVEL 17.81 BELOW LSD, NOV. 9, 1976.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	11.37	MAR. 6, 1979	8.70				

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 144 FT, SCREENED 139-144. MP TOP OF 2-IN GALV. PIPE, 1.40 FT ABOVE LSD.
 LSD 98.00 FT NGVD.
 HIGHEST WATER LEVEL 8.98 BELOW LSD, JUNE 26, 1975,
 LOWEST WATER LEVEL 14.82 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1974-78.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	14.82						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	50.07	MAR. 5, 1979	48.58				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	46.35	MAR. 6, 1979	45.02				

See footnotes at end of table.

GROUND-WATER LEVELS

BEAUREGARD PARISH

30420509333101 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	66.19	MAR. 6, 1979	64.45				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	41.99	MAR. 5, 1979	39.63				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	37.47	MAR. 6, 1979	36.18				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	26.01	MAR. 7, 1979	25.45				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	27.10	MAR. 6, 1979	24.44				

BEAUREGARD PARISH

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 6.32 BELOW LSD, MAR. 7, 1978,
 LOWEST WATER LEVEL 14.16 BELOW LSD, AUG. 18, 1977.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1979	9.61						

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 45.74 BELOW LSD, MAR. 4, 1977,
 LOWEST WATER LEVEL 49.67 BELOW LSD, AUG. 18, 1977.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1979	48.06						

BIENVILLE PARISH

323241093031901 LOCAL WELL NUMBER: BI-1

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 5 IN, DEPTH 490 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 3.15 FT ABOVE LSD.
 LSD 270.00 FT NGVD.
 HIGHEST WATER LEVEL 57.30 BELOW LSD, MAY 9, 1958,
 LOWEST WATER LEVEL 100.15 BELOW LSD, AUG. 14, 1979.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 5, 1979	92.42	AUG. 14	100.15	SEP. 11, 1979	96.95		

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 93.96 BELOW LSD, JAN. 24, 1979.
 RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1978	83.00	MAR. 14, 1979	90.13	MAY 9, 1979	80.45	JULY 9, 1979	82.00
JAN. 24, 1979	93.96						

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
DEC. 1, 1978	225.23	MAR. 14, 1979	223.76	JUNE 4, 1979	221.85	AUG. 14, 1979	220.85
JAN. 24, 1979	225.93	APR. 23	222.66	JULY 9	223.00	SEP. 11	222.95

GROUND-WATER LEVELS

BIENVILLE PARISH

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN COMPANY. (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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 14, 1979	105.86	SEP. 17	103.60				

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 213.90 BELOW LSD, DEC. 1, 1978.

RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1978	213.90	MAR. 14, 1979	213.03	JUNE 5, 1979	212.31	AUG. 14, 1979	212.40
JAN. 24, 1979	213.04	MAY 8	212.69	JULY 17	212.78	SEP. 11	213.20

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.

LSD 260.00 FT NGVD.

HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975.

LOWEST WATER LEVEL 162.99 BELOW LSD, APR. 23, 1979.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1978	161.39	MAR. 20, 1979	161.40	JUNE 11, 1979	162.05	SEP. 11, 1979	162.68
JAN. 24, 1979	161.25	APR. 23	162.99				

BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: L S U RED RIVER VALLEY EXPERIMENT STATION. (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 4 IN, DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 8-IN PIT CASING, 0.60 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1978	25.68	MAR. 22, 1979	24.09	JUNE 6, 1979	20.85		

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 11.37 BELOW LSD, SEP. 7, 1977.

LOWEST WATER LEVEL 15.33 BELOW LSD, DEC. 21, 1977.

RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1979	13.09	JUNE 12	13.27	SEP. 18, 1979	13.06		

BOSSIER PARISH

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 40.18 BELOW LSD, JUNE 15, 1978.
 RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1978	31.70	MAR. 20, 1979	38.32	JUNE 12, 1979	39.42	SEP. 13, 1979	37.43

CADD O 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
NOV. 30, 1978	14.83	MAR. 16, 1979	11.94	JUNE 13, 1979	8.93	AUG. 29, 1979	10.60
DEC. 12	14.53	APR. 5	11.01	JULY 9	9.75	SEP. 25	10.92
JAN. 31, 1979	12.84	MAY 4	9.46	AUG. 3	9.81		

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 51.79 BELOW LSD, SEP. 11, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	51.12	JUNE 7, 1979	49.97	AUG. 6, 1979	50.09	SEP. 10, 1979	50.52
MAR. 13, 1979	50.34						

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. 7, 1978	77.65	JUNE 7, 1979	77.38	AUG. 6, 1979	77.30	SEP. 10, 1979	77.75
MAR. 13, 1979	77.30						

GROUND-WATER LEVELS

CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.

LSD 50.00 FT NGVD.

HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975.

LOWEST WATER LEVEL 49.06 BELOW LSD, SEP. 11, 1979.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1978	26.00	DEC. 7, 1978	24.33	MAY 10, 1979	34.60	AUG. 9, 1979	47.30
NOV. 7	27.12	JAN. 31, 1979	37.60	JUNE 7	36.90	AUG. 14	46.85
NOV. 15	27.20	MAR. 9	33.20	JULY 10	46.60	SEP. 7	47.10
DEC. 6	24.50	APR. 12	35.50	JULY 16	48.16	SEP. 11	49.06

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 269.63 BELOW LSD, SEP. 12, 1978.

RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1978	262.93	MAR. 14, 1979	265.55	JUNE 4, 1979	263.60	SEP. 12, 1979	265.65

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 260.00 FT NGVD.

HIGHEST WATER LEVEL 95.64 BFLOW 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
DEC. 6, 1978	137.22	MAR. 14, 1979	138.14	JUNE 4, 1979	138.50	SEP. 12, 1979	137.15
JAN. 30, 1979	137.56	MAY 17	138.25				

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 305.45 BELOW LSD, DEC. 6, 1978.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	304.56	DEC. 6, 1978	305.45	MAR. 14, 1979	304.47	SEP. 12, 1979	303.08

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 219.11 BELOW LSD, SEP. 19, 1979.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1978	217.65	MAR. 14, 1979	218.21	JUNE 4, 1979	218.35	SEP. 19, 1979	219.11

CLATBORNE PARISH

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 213.54 BELOW LSD, OCT. 3, 1978.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	213.54	JAN. 24, 1979	212.97	MAY 17, 1979	211.90	JULY 19, 1979	211.98
NOV. 28	213.53	MAR. 14	212.72	JUNE 4	211.58	SEP. 12	212.35

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 173.05 BELOW LSD, OCT. 11, 1978.

LOWEST WATER LEVEL 180.01 BELOW LSD, AUG. 15, 1979.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1978	173.05	MAY 15, 1979	176.35	JULY 9, 1979	175.40	SEP. 12, 1979	178.88
FEB. 6, 1979	175.46	JUNE 4	176.50	AUG. 15	180.01		

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 264.32 BELOW LSD, OCT. 19, 1978.

LOWEST WATER LEVEL 269.15 BELOW LSD, JAN. 30, 1979.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1978	264.32	MAY 15, 1979	265.50	AUG. 15, 1979	266.50	SEP. 12, 1979	266.50
JAN. 30, 1979	269.15	JUNE 28	265.86				

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 41.71 BELOW LSD, JAN. 5, 1977.

RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	17.37	MAR. 7, 1979	17.15	MAY 29, 1979	35.25A	AUG. 14, 1979	18.95
FEB. 1, 1979	17.50	APR. 16	15.38	JULY 16	17.81	SEP. 12	19.44

See footnotes at end of table.

GROUND-WATER LEVELS

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 PALEOCENE-EOCENE AGE, DIAM 4 IN, DEPTH 350 FT, CASING PERFORATED 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 60.02 BELOW LSD, SEP. 12, 1979.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1978	58.54	MAR. 7, 1979	58.11	MAY 31, 1979	58.65	SEP. 12, 1979	60.02

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 PALEOCENE-EOCENE 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 62.05 BELOW LSD, APR. 6, 1978,
 LOWEST WATER LEVEL 62.86 BELOW LSD, AUG. 4, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	62.70	MAR. 6, 1979	62.45	JUNE 22, 1979	62.19	AUG. 13, 1979	62.40
DEC. 18	62.40	APR. 16	62.15	JULY 2	62.22	SEP. 11	62.43
JAN. 22, 1979	62.25	MAY 30	62.23				

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 PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF CASING, 3.45 FT ABOVE LSD.
 LSD 305.00 FT NGVD.
 HIGHEST WATER LEVEL 58.62 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 60.05 BELOW LSD, NOV. 6, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	60.05	MAR. 6, 1979	58.78	JUNE 21, 1979	58.91	AUG. 13, 1979	59.47
DEC. 18	59.75	APR. 16	58.65	JULY 2	59.10	SEP. 11	59.65
JAN. 22, 1979	59.97	MAY 30	58.62				

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 PALEOCENE-EOCENE 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 79.29 BELOW LSD, AUG. 13, 1979, SEP. 11, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	79.07	MAR. 6, 1979	78.80	JUNE 19, 1979	78.78	AUG. 13, 1979	79.29
DEC. 18	78.79	APR. 16	78.70	JULY 2	78.94	SEP. 11	79.29
JAN. 22, 1979	78.60	MAY 30	78.75				

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 PALEOCENE-EOCENE 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 91.94 BELOW LSD, DEC. 18, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	91.91	MAR. 6, 1979	91.62	JUNE 21, 1979	91.42	AUG. 13, 1979	91.61
DEC. 18	91.94	APR. 16	91.24	JULY 2	91.38	SEP. 11	91.67
JAN. 22, 1979	91.43	MAY 30	91.55				

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 PALEOCENE-EOCENE 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 126.35 BELOW LSD, NOV. 6, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	126.35	MAR. 6, 1979	124.76	JUNE 20, 1979	124.72	AUG. 13, 1979	125.19
DEC. 18	125.99	APR. 16	124.44	JULY 2	124.77	SEP. 11	125.31
JAN. 23, 1979	125.08	MAY 30	124.22				

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 PALEOCENE-EOCENE 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 91.65 BELOW LSD, MAY 30, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	91.42	MAR. 6, 1979	88.92	JUNE 20, 1979	91.64	AUG. 13, 1979	90.35
DEC. 18	90.90	APR. 16	88.64	JULY 2	90.01	SEP. 11	90.72
JAN. 23, 1979	90.75	MAY 30	91.65				

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 PALEOCENE-EOCENE 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 127.32 BELOW LSD, MAY 30, 1979,
 LOWEST WATER LEVEL 128.94 BELOW LSD, MAR. 6, 1979.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	128.23	MAR. 6, 1979	128.94	JUNE 19, 1979	127.52	AUG. 13, 1979	127.99
DEC. 18	128.70	APR. 16	127.46	JULY 2	127.80	SEP. 11	128.05
JAN. 23, 1979	127.78	MAY 30	127.32				

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 PALEOCENE-EOCENE 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 41.19 BELOW LSD, JUNE 18, 1979,
 LOWEST WATER LEVEL 41.70 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 18, 1979	41.19	AUG. 13	41.52	SEP. 11, 1979	41.70		

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 PALEOCENE-EOCENE 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 31.82 BELOW LSD, MAY 16, 1979,
 LOWEST WATER LEVEL 35.25 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 16, 1979	31.82	JUNE 18, 1979	32.61	AUG. 13, 1979	34.60	SEP. 11, 1979	35.25

GROUND-WATER LEVELS

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 PALEOCENE-EOCENE 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 38.24 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24, 1979	31.31	JUNE 18, 1979	36.94	AUG. 13, 1979	37.68	SEP. 11, 1979	38.24

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 PALEOCENE-EOCENE 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 18.21 BELOW LSD, JUNE 20, 1979.
 LOWEST WATER LEVEL 21.32 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 20, 1979	18.21	AUG. 13	21.16	SEP. 11, 1979	21.32		

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 PALEOCENE-EOCENE 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 9.59 BELOW LSD, JUNE 20, 1979.
 LOWEST WATER LEVEL 10.58 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 18, 1979	9.62	JUNE 20, 1979	9.59	AUG. 13, 1979	10.20	SEP. 11, 1979	10.58

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 PALEOCENE-EOCENE 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 42.26 BELOW LSD, JUNE 20, 1979.
 LOWEST WATER LEVEL 42.78 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 20, 1979	42.26	AUG. 13	42.61	SEP. 11, 1979	42.78		

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 PALEOCENE-EOCENE 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 42.71 BELOW LSD, JUNE 20, 1979.
 LOWEST WATER LEVEL 43.34 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 20, 1979	42.71	AUG. 13	43.20	SEP. 11, 1979	43.34		

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 PALEOCENE-Eocene AGE, DIAM 1 1/4 IN, DEPTH 117 FT, SCREENED 114-117. MP TOP OF RUSHING, 4.00 FT ABOVE LSD.

LSD 145.00 FT NGVD.

HIGHEST WATER LEVEL 6.81 BELOW LSD, JUNE 20, 1979.

LOWEST WATER LEVEL 8.55 BELOW LSD, AUG. 13, 1979.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 20, 1979	6.81	AUG. 13	8.55	SEP. 11, 1979	8.48		

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
NOV. 30, 1978	20.54	MAR. 15, 1979	16.58	JUNE 6, 1979	4.14	SEP. 26, 1979	13.50

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 23.18 BELOW LSD, SEP. 7, 1977.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1978	19.27	MAR. 14, 1979	17.06	JUNE 6, 1979	16.47	SEP. 26, 1979	20.10

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 22.96 BELOW LSD, SEP. 21, 1966.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1978	21.37	MAR. 14, 1979	15.29	JUNE 5, 1979	15.74	SEP. 26, 1979	17.97

EVANGELINE PARISH

304124092242801 LOCAL WELL NUMBER: EV-1

OWNER: LAHAYE BROTHERS, INC. (SEC. 20, T. 4S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 10 IN, REPORTED DEPTH 210 FT, SCREENED 130-210. MP LOWER LIP OF DISCHARGE PIPE, 3.40 FT ABOVE LSD. MEASUREMENTS DISCONTINUED 3/9/79.

LSD 70.64 FT NGVD.

HIGHEST WATER LEVEL 38.51 BELOW LSD, JAN. 21, 1943.

LOWEST WATER LEVEL 97.38 BELOW LSD, JULY 16, 1951.

RECORDS AVAILABLE 1940-70, 1974-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	92.74						

GROUND-WATER LEVELS

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 4 IN, REPORTED DEPTH 199 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 40.05 BELOW LSD, FEB. 27, 1970.
 RECORDS AVAILABLE 1940, 1944-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	39.84						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	89.98						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	80.28						

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 106.36 BELOW LSD, JUNE 30, 1978.
 RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1978	87.02	DEC. 31, 1978	82.98	MAR. 31, 1979	92.79	JUNE 25, 1979	102.18
OCT. 5	86.78	JAN. 5, 1979	83.08	APR. 5	89.45	JUNE 30	104.10
OCT. 10	86.54	JAN. 10	82.87	APR. 10	87.75	JULY 5	103.90
OCT. 15	86.32	JAN. 15	82.70	APR. 15	87.50	JULY 10	102.08
OCT. 20	86.36	JAN. 20	81.79	APR. 20	89.37	JULY 15	98.84
OCT. 23	86.69H	JAN. 23	81.65H	APR. 23	86.28H	JULY 20	96.19H
OCT. 25	86.14	JAN. 25	81.98	APR. 25	85.84	JULY 25	93.38
OCT. 31	85.72	JAN. 31	81.96	APR. 30	89.09	JULY 31	91.50
NOV. 5	85.32	FEB. 5	81.71	MAY 5	91.41	AUG. 5	90.49
NOV. 10	85.11	FEB. 10	81.70	MAY 10	94.44	AUG. 10	90.23
NOV. 15	85.56	FEB. 15	81.37	MAY 15	92.64	AUG. 15	90.06H
NOV. 20	85.14	FEB. 20	81.31	MAY 20	92.48	AUG. 20	89.41
NOV. 22	85.24H	FEB. 21	81.22H	MAY 23	94.30H	AUG. 25	88.94
NOV. 25	84.91	FEB. 25	80.82	MAY 25	95.48	AUG. 31	88.09
NOV. 30	84.40	FEB. 28	80.73	MAY 31	93.99	SEP. 5	87.41
DEC. 5	84.03	MAR. 5	80.80	JUNE 5	89.61	SEP. 10	86.97
DEC. 10	84.16	MAR. 10	80.63	JUNE 10	93.12	SEP. 15	86.74
DEC. 15	83.80	MAR. 15	81.22	JUNE 15	94.11	SEP. 20	85.97
DEC. 18	83.66H	MAR. 20	84.28	JUNE 20	96.98	SEP. 25	85.99
DEC. 20	83.36	MAR. 21	85.23H	JUNE 22	99.76H	SEP. 30	85.77
DEC. 25	83.25	MAR. 25	89.99				

See footnotes at end of table.

304131092240501 LOCAL WELL NUMBER: EV-232

OWNER: JOHN LAHAYE. (SEC. 20, T. 4S., R. 1E.) DRILLED UNUSED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, DEPTH 222 FT, SCREENED 155-222. MP TOP OF PIT CASING, 0.70 FT ABOVE LSD.
 LSD 70.80 FT NGVD.
 HIGHEST WATER LEVEL 94.50 BELOW LSD, MAR. 8, 1979.
 LOWEST WATER LEVEL 94.50 BELOW LSD, MAR. 8, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	94.50						

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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	60.88						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	49.49						

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 51.25 BELOW LSD, OCT. 14, 1971.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	49.18	JAN. 23, 1979	49.48	MAR. 21, 1979	49.29	JULY 20, 1979	48.86
NOV. 22	49.39	FEB. 21	49.44	APR. 23	48.86	AUG. 15	48.88
DEC. 18	49.51	MAR. 6	49.56	JUNE 22	48.66		

304133092322801 LOCAL WELL NUMBER: EV-571

OWNER: BESSIE F. FUSELIER. (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 52.24 BELOW LSD, MAR. 6, 1979.
 RECORDS AVAILABLE 1953-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	52.24						

GROUND-WATER LEVELS

EVANGELINE PARISH

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	23.52						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	68.50						

303723092172602 LOCAL WELL NUMBER: EV-659

OWNER: J. A. FUSELIER. (IRREG. SEC. 59, T. 5S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 250 FT, SCREENED 200-250. MP LOWER LIP OF DISCHARGE PIPE, 5.70 FT ABOVE LSD.
 LSD 60.52 FT NGVD.
 HIGHEST WATER LEVEL 80.10 BELOW LSD, MAR. 28, 1962.
 LOWEST WATER LEVEL 105.04 BELOW LSD, FEB. 26, 1970.
 RECORDS AVAILABLE 1961-72, 1974-76, 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	94.12						

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 62.95 BELOW LSD, AUG. 31, 1966.
 RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	60.80						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	49.04						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	1.13						

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 131.00 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	56.43						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	4.93						

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 MIOCENE-PLIOCENE 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 5.55 BELOW LSD, MAR. 6, 1979.
 RECORDS AVAILABLE 1967-69, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	5.55						

305049092164102 LOCAL WELL NUMBER: EV-691

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE 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 14.60 BELOW LSD, MAR. 6, 1979.
 RECORDS AVAILABLE 1967-69, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	14.60						

GROUND-WATER LEVELS

EVANGELINE PARISH

304640092195601 LOCAL WELL NUMBER: EV-740

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 36, T. 3S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 117 FT, SCREENED 112-117. MP TOP OF 2-IN GALV. PIPE, 3.20 FT ABOVE LSD.
 LSD 116.00 FT NGVD.
 HIGHEST WATER LEVEL 52.52 BELOW LSD, MAR. 18, 1976.
 LOWEST WATER LEVEL 55.46 BELOW LSD, JULY 6, 1978, MAR. 6, 1979.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	55.46	APR. 25	55.14				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	26.80	APR. 25	29.09				

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 46.27 BELOW LSD, JULY 6, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	44.58						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	70.79	APR. 25	71.18				

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 231.75 FT NGVD.
 HIGHEST WATER LEVEL 66.88 BELOW LSD, APR. 26, 1962.
 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
DEC. 27, 1978	69.41	MAR. 22, 1979	68.70	JUNE 22, 1979	67.84	AUG. 27, 1979	67.78
JAN. 24, 1979	69.43	APR. 23	68.33	JULY 25	67.74	SEP. 24	67.95
FEB. 21	69.12	MAY 23	68.06				

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. 11, 1978	41.92	JUNE 5, 1979	37.17	AUG. 6, 1979	37.88	SEP. 10, 1979	38.34
MAR. 13, 1979	38.32						

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 10.65 BELOW LSD, JAN. 30, 1974,
 LOWEST WATER LEVEL 19.86 BELOW LSD, DEC. 7, 1978.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	19.86	JUNE 5, 1979	15.57	AUG. 6, 1979	14.78	SEP. 10, 1979	15.72
MAR. 13, 1979	13.43						

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 59.62 BELOW LSD, NOV. 15, 1971.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	56.74	JUNE 5, 1979	54.68	AUG. 6, 1979	52.88	SEP. 10, 1979	53.30
MAR. 13, 1979	55.66						

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 INTERVAL UNKNOWN. 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
OCT. 5, 1978	149.70	DEC. 25, 1978	140.86	MAR. 25, 1979	153.10	JUNE 25, 1979	139.45H
OCT. 10	142.80	DEC. 31	139.90	MAR. 28	153.38H	JUNE 27	139.65J
OCT. 15	141.50	JAN. 5, 1979	139.15	MAR. 31	153.50	JUNE 30	137.90
OCT. 17	141.30H	JAN. 10	139.00	APR. 5	153.45	JULY 5	137.60
OCT. 20	144.32	JAN. 13	138.48J	APR. 6	153.52J	JULY 10	139.02
OCT. 25	141.87	JAN. 15	138.60H	APR. 10	145.10	JULY 15	136.60
OCT. 31	148.56	JAN. 18	138.48J	APR. 15	144.20	JULY 20	139.50
NOV. 5	149.87	JAN. 20	141.60J	APR. 20	146.90	JULY 25	139.40
NOV. 7	151.45H	JAN. 25	139.70	APR. 25	148.80	JULY 30	139.50
NOV. 10	144.54	JAN. 31	145.80	APR. 30	146.50	AUG. 1	133.75J
NOV. 15	144.13	FEB. 5	148.30	MAY 5	144.30	AUG. 5	138.50
NOV. 20	142.82	FEB. 10	151.40	MAY 10	148.50	AUG. 10	139.10
NOV. 25	140.60	FEB. 15	148.90	MAY 15	150.00	AUG. 15	139.40
NOV. 30	139.58J	FEB. 20	148.40	MAY 20	143.50	AUG. 20	139.40
DEC. 5	140.75	FEB. 25	147.90	MAY 25	144.40	AUG. 25	138.60
DEC. 6	140.35H	FEB. 28	148.00	MAY 30	148.30	AUG. 30	139.00
DEC. 10	143.80	MAR. 5	148.10	JUNE 5	150.00	SEP. 5	139.50
DEC. 15	144.50	MAR. 10	148.40	JUNE 10	144.00	SEP. 10	138.60
DEC. 20	141.50	MAR. 15	151.40	JUNE 15	144.10	SEP. 15	138.60
DEC. 24	148.40J	MAR. 20	152.52	JUNE 22	139.67H	SEP. 19	138.19H

See footnotes at end of table.

GROUND-WATER LEVELS

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1978	161.16	MAR. 7, 1979	161.05	JUNE 22, 1979	161.10	SEP. 10, 1979	161.60

321128092440801 LOCAL WELL NUMBER: JA-127

OWNER: CONTINENTAL CAN CO. (SEC. 13, T. 14N., R. 4W.) DRILLED OBSERVATION 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
SEP. 12, 1979	157.68						

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 217.00 BELOW LSD, SEP. 20, 1979.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1978	215.62	JAN. 29, 1979	215.90	APR. 30, 1979	214.97	AUG. 14, 1979	216.53
NOV. 27	215.75	FEB. 27	215.00	MAY 29	216.00	SEP. 20	217.00
JAN. 2, 1979	216.16	MAR. 29	216.01	JUNE 27	215.96		

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 210.98 BELOW LSD, SEP. 3, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1978	210.58	MAR. 7, 1979	210.06	JUNE 22, 1979	209.41	AUG. 3, 1979	210.23
FEB. 7, 1979	209.48	APR. 9	209.64	JULY 10	210.09	SEP. 3	210.98

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 161.75 BELOW LSD, SEP. 20, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1978	160.52	MAR. 6, 1979	160.70	JUNE 19, 1979	161.05	AUG. 13, 1979	161.39
FEB. 8, 1979	160.40	APR. 12	159.96	JULY 10	160.86	SEP. 20	161.75

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 251.75 BELOW LSD, JUNE 22, 1979.

LOWEST WATER LEVEL 253.90 BELOW LSD, SEP. 14, 1979.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 22, 1979	252.52	APR. 9, 1979	251.84	JULY 10, 1979	252.51	SEP. 14, 1979	253.90
MAR. 2	252.42	JUNE 22	251.75	AUG. 3	252.73		

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 59.27 BELOW LSD, OCT. 11, 1972.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	58.37	MAR. 9, 1979	56.70	MAY 31, 1979	56.78	SEP. 12, 1979	57.67

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 57.84 BELOW LSD, NOV. 10, 1972.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	56.67	MAR. 9, 1979	51.69	SEP. 12, 1979	51.71		

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. 7, 1978	41.94	MAR. 9, 1979	40.65	MAY 31, 1979	39.30	SEP. 12, 1979	39.91

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 56.72 BELOW LSD, DEC. 7, 1978.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1978	56.72	MAR. 9, 1979	51.75	MAY 31, 1979	48.15	SEP. 12, 1979	51.77

GROUND-WATER LEVELS

LINCOLN PARISH

323132092385901 LOCAL WELL NUMBER: L-25

OWNER: LA. TECH UNIVERSITY. (SEC. 23, T. 18N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 680 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.60 FT ABOVE LSD.
 LSD 300.00 FT NGVD.
 HIGHEST WATER LEVEL 250.25 BELOW LSD, AUG. 8, 1961,
 LOWEST WATER LEVEL 327.00 BELOW LSD, AUG. 5, 1978.
 RECORDS AVAILABLE 1961, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1979	311.70						

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 152.27 BELOW LSD, SEP. 12, 1979.
 RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1979	151.60	SEP. 12	152.27				

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 212.46 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 15, 1979	211.06	SEP. 11	212.46				

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 292.18 BELOW LSD, SEP. 11, 1979.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1979	289.48	SEP. 11	292.18				

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. 12, 1979	127.40						

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 215.00 BELOW LSD, JULY 9, 1979.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1978	213.30	MAY 15, 1979	213.39	JULY 9, 1979	215.00	SEP. 12, 1979	214.34
JAN. 29, 1979	212.99	JUNE 4	213.34	AUG. 15	214.53		

MADISON PARISH

322245091073001 LOCAL WELL NUMBER: MA-10

OWNER: ILLINOIS CENTRAL GULF RAILROAD CO. (SEC. 10, T. 16N., R. 13E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 85 FT, SCREENED 75-85. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 80.00 FT NGVD.
 HIGHEST WATER LEVEL 3.40 BELOW LSD, MAY 4, 1958,
 LOWEST WATER LEVEL 17.37 BELOW LSD, AUG. 12, 1957.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1978	12.27	MAR. 9, 1979	5.60	JUNE 6, 1979	6.65	SEP. 26, 1979	9.00

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. 3, 1978	200.32H	JAN. 5, 1979	197.73	APR. 7, 1979	199.24J	JULY 5, 1979	175.37
OCT. 5	201.24	JAN. 10	199.19	APR. 10	196.78	JULY 6	172.81J
OCT. 6	196.93J	JAN. 15	198.54	APR. 15	196.78	JULY 10	196.40H
OCT. 10	198.66	JAN. 20	198.34	APR. 20	195.66	JULY 15	195.81
OCT. 15	199.73	JAN. 25	197.87	APR. 24	189.34J	JULY 20	196.61
OCT. 20	199.02	JAN. 30	194.53	APR. 25	191.40H	JULY 25	197.96
OCT. 25	201.18	FEB. 5	195.53	APR. 27	197.38J	JULY 31	196.58
OCT. 31	201.51	FEB. 8	196.58H	APR. 30	194.46	AUG. 5	201.30
NOV. 5	202.86J	FEB. 10	196.95	MAY 3	189.52J	AUG. 10	197.55
NOV. 10	200.82	FEB. 15	196.75	MAY 5	193.26	AUG. 15	196.26
NOV. 15	201.73	FEB. 18	200.46	MAY 10	193.91	AUG. 20	198.10
NOV. 20	201.02	FEB. 20	199.13	MAY 15	195.06	AUG. 21	198.42H
NOV. 25	198.91	FEB. 25	197.18	MAY 20	193.58	AUG. 25	196.59
NOV. 30	202.15H	FEB. 28	192.57	MAY 25	192.81	AUG. 31	195.94
DEC. 1	202.66J	MAR. 1	190.18	MAY 31	194.02	SEP. 5	195.77
DEC. 5	201.33	MAR. 5	194.88	JUNE 5	193.53H	SEP. 10	192.71
DEC. 10	201.00	MAR. 13	192.42H	JUNE 10	195.25	SEP. 15	195.36
DEC. 15	199.70	MAR. 15	193.38	JUNE 15	198.40	SEP. 20	199.20J
DEC. 20	198.30	MAR. 20	197.02	JUNE 20	194.21	SEP. 22	192.15J
DEC. 25	173.54	MAR. 25	195.05	JUNE 25	196.47	SEP. 25	194.05
DEC. 27	169.64	MAR. 30	197.86	JUNE 30	196.15	SEP. 30	196.91
DEC. 30	193.27	APR. 5	196.07	JULY 4	199.75J		

See footnotes at end of table.

GROUND-WATER LEVELS

MOREHOUSE PARISH

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 INTERVAL UNKNOWN. 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
NOV. 30, 1978	90.47	MAR. 13, 1979	90.15	JUNE 5, 1979	89.76	SEP. 25, 1979	90.24
FEB. 8, 1979	90.18	APR. 25	90.00				

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 17.10 BELOW LSD, SEP. 21, 1979.
 RECORDS AVAILABLE 1953-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1979	2.48	SEP. 21	17.10				

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 74.68 BELOW LSD, NOV. 12, 1974.
 RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1979	74.50						

325925091392201 LOCAL WELL NUMBER: MO-303

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 23N., R. 8E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 75 FT, SCREENED 72-75. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 106.17 FT NGVD.
 HIGHEST WATER LEVEL 7.32 BELOW LSD, JUNE 10, 1975,
 LOWEST WATER LEVEL 19.88 BELOW LSD, NOV. 21, 1967.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1978	19.60	MAR. 14, 1979	15.18	JUNE 6, 1979	12.66	JULY 10, 1979	13.60
JAN. 26, 1979	16.70	APR. 26	13.55				

324622091511301 LOCAL WELL NUMBER: MO-334

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 21N., R. 6E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 147.58 FT NGVD.
 HIGHEST WATER LEVEL 69.45 BELOW LSD, FEB. 20, 1968,
 LOWEST WATER LEVEL 72.00 BELOW LSD, NOV. 14, 1974.
 RECORDS AVAILABLE 1967-78.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	71.84	SEP. 25, 1979	71.84				

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 620 FT, SCREENED 610-620. MP TOP OF CASING, 3.40 FT ABOVE LSD (SINCE 10/31/78).

LSD 88.34 FT NGVD.

HIGHEST WATER LEVEL 91.63 BELOW LSD, JULY 31, 1968.

LOWEST WATER LEVEL 101.79 BELOW LSD, SEP. 26, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	101.67	SEP. 26, 1979	101.79				

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 11.45 BELOW LSD, SEP. 27, 1978.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	11.24	SEP. 26, 1979	10.96				

325810091384001 LOCAL WELL NUMBER: MO-344

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 258 FT, SCREENED 248-258. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 106.35 FT NGVD.

HIGHEST WATER LEVEL 14.96 BELOW LSD, APR. 30, 1969.

LOWEST WATER LEVEL 35.04 BELOW LSD, SEP. 26, 1979.

RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 26, 1979	35.04						

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, 4.90 FT ABOVE LSD.

LSD 113.65 FT NGVD.

HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968.

LOWEST WATER LEVEL 111.77 BELOW LSD, SEP. 25, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1979	111.77						

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. 26, 1979	23.81						

GROUND-WATER LEVELS

MOREHOUSE PARISH

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 833 FT, SCREENED 823-833, MP TOP OF BUSHING, 3.67 FT ABOVE LSD.

LSD 142.27 FT NGVD.

HIGHEST WATER LEVEL 181.30 BELOW LSD, MAY 13, 1975.

LOWEST WATER LEVEL 192.68 BELOW LSD, SEP. 27, 1978.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1979	190.53						

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 17.43 BELOW LSD, SEP. 27, 1978.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 26, 1979	16.92						

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. 25, 1979	69.80						

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, 3.40 FT ABOVE LSD.

LSD 112.08 FT NGVD.

HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969.

LOWEST WATER LEVEL 107.20 BELOW LSD, SEP. 25, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1979	107.20						

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 71.34 BELOW LSD, SEP. 25, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1979	71.34						

NATCHITOCHE 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. 31, 1978	10.40	FEB. 15, 1979	4.70	APR. 13, 1979	3.85	JULY 2, 1979	7.62
DEC. 13	7.69	MAR. 6	3.53	MAY 1	4.43	JULY 31	8.50
DEC. 22	8.46	MAR. 13	3.55	JUNE 5	5.82	SEP. 6	9.41
JAN. 18, 1979	6.46						

OUACHITA PARISH

322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: OLINKRAFT, INC. (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. 3, 1978	268.34H	JAN. 5, 1979	262.83	APR. 10, 1979	260.93	JULY 10, 1979	263.62
OCT. 5	269.48	JAN. 10	264.38	APR. 12	250.09J	JULY 15	262.73
OCT. 10	271.26	JAN. 15	265.48	APR. 15	263.47	JULY 18	265.20H
OCT. 11	271.50J	JAN. 20	259.34	APR. 20	265.52	JULY 20	265.38
OCT. 15	267.85	JAN. 25	264.12	APR. 25	266.12	JULY 25	263.63
OCT. 20	266.01	JAN. 31	260.78	APR. 26	264.02H	JULY 31	264.69
OCT. 25	269.69	FEB. 5	265.48	APR. 30	261.45	AUG. 2	255.35J
OCT. 31	267.38	FEB. 7	265.16H	MAY 4	232.08J	AUG. 5	264.26
NOV. 5	267.56	FEB. 10	267.78	MAY 5	253.25	AUG. 10	265.64
NOV. 10	269.83	FEB. 13	268.87J	MAY 10	259.59	AUG. 15	266.30
NOV. 15	270.88	FEB. 15	267.03	MAY 15	259.97	AUG. 20	267.11
NOV. 20	267.89	FEB. 20	260.67	MAY 20	266.12	AUG. 23	268.92J
NOV. 24	262.83J	FEB. 23	258.57J	MAY 25	266.50	AUG. 24	267.80H
NOV. 25	267.43	FEB. 25	266.69	MAY 31	266.52	AUG. 25	267.23
NOV. 27	262.83H	FEB. 28	264.20	JUNE 5	266.43	AUG. 31	262.57
NOV. 30	268.14	MAR. 5	264.60	JUNE 10	265.71	SEP. 4	244.19J
DEC. 5	269.00	MAR. 7	265.50H	JUNE 15	265.45	SEP. 5	249.42
DEC. 10	271.00	MAR. 10	267.59	JUNE 20	268.91	SEP. 10	264.42
DEC. 11	271.08J	MAR. 15	269.11	JUNE 22	269.82H	SEP. 15	266.24
DEC. 15	267.55	MAR. 20	269.08	JUNE 25	268.43	SEP. 20	267.47
DEC. 20	268.83	MAR. 25	269.96	JUNE 30	263.41	SEP. 25	266.90
DEC. 25	240.12	MAR. 30	270.44J	JULY 1	259.91J	SEP. 28	268.35J
DEC. 28	231.88J	APR. 5	263.10	JULY 5	263.95	SEP. 30	265.65
DEC. 31	255.88						

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
DEC. 1, 1978	92.98	FEB. 28, 1979	92.20	JUNE 12, 1979	92.77	SEP. 21, 1979	96.48

See footnotes at end of table.

GROUND-WATER LEVELS

OUACHITA PARISH

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 BREATHING 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
DEC. 1, 1978	142.86	FEB. 28, 1979	144.90	JUNE 22, 1979	148.63	AUG. 24, 1979	141.90
FEB. 8, 1979	143.30	APR. 12	145.25	JULY 12	142.53	SEP. 21	148.80

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 ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 68 FT, SCREENED 58-68, MP TOP OF 3X2-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. 1, 1978	17.90	FEB. 28, 1979	7.89	JUNE 14, 1979	8.86	SEP. 18, 1979	13.10
JAN. 16, 1979	15.27						

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. 18, 1979	21.50						

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. 18, 1979	10.84						

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 99.58 BELOW LSD, SEP. 21, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	95.61	SEP. 21	99.58				

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 47.72 BELOW LSD, SEP. 18, 1979.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1978	46.92	FEB. 28, 1979	46.32	SEP. 18, 1979	47.72		

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 53.64 BELOW LSD, SEP. 18, 1979.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1978	52.90	FEB. 28, 1979	52.01	JUNE 12, 1979	52.00	SEP. 18, 1979	53.64

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 78.78 BELOW LSD, SEP. 18, 1979.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1978	77.63	MAR. 7, 1979	77.43	JUNE 14, 1979	77.49	SEP. 18, 1979	78.78

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 114.74 BELOW LSD, SEP. 21, 1979.

RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	113.02	SEP. 21	114.74				

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 140.44 BELOW LSD, SEP. 21, 1979.

RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	137.82	SEP. 21	140.44				

GROUND-WATER LEVELS

OUACHITA PARISH

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 191.28 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	187.64	SEP. 13	191.28				

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 191.65 BELOW LSD, SEP. 27, 1978.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	190.61	SEP. 13	185.90				

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 220.34 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	217.19	SEP. 13	220.34				

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 301.80 BELOW LSD, SEP. 11, 1979.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1979	301.22	APR. 18, 1979	300.39	JULY 5, 1979	301.42	SEP. 11, 1979	301.80
MAR. 2	301.22	JUNE 12	300.65				

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. 7, 1978	103.80	MAR. 14, 1979	87.56	JUNE 6, 1979	110.79	AUG. 20, 1979	139.20
DEC. 8	99.65	MAY 1	82.85	JULY 11	123.23	SEP. 10	121.80
JAN. 22, 1979	94.30						

311922092273401 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.
 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, 1978	100.62J	DEC. 20, 1978	99.96	MAR. 20, 1979	97.79	JUNE 25, 1979	96.88
OCT. 3	100.36H	DEC. 25	99.95	MAR. 25	97.61	JUNE 30	96.95
OCT. 5	100.45	DEC. 31	99.60	MAR. 31	97.40	JULY 5	96.99
OCT. 10	100.55	JAN. 5, 1979	99.54	APR. 5	96.74	JULY 9	97.10J
OCT. 15	100.61	JAN. 10	99.34	APR. 10	96.86	JULY 10	97.07
OCT. 20	100.66	JAN. 14	101.28J	APR. 15	96.73	JULY 11	97.05H
OCT. 25	100.69	JAN. 15	99.30	APR. 20	96.62	JULY 15	97.26
OCT. 30	100.77J	JAN. 20	98.82J	APR. 25	96.29	JULY 20	97.50
OCT. 31	100.76	JAN. 22	98.84H	APR. 30	96.20	JULY 25	97.69
NOV. 1	100.77J	JAN. 25	98.84	MAY 1	96.11H	JULY 31	97.98
NOV. 5	100.68	JAN. 31	98.74	MAY 2	96.15J	AUG. 5	98.27
NOV. 7	100.68H	FEB. 5	98.69	MAY 5	95.99	AUG. 10	98.51
NOV. 10	100.83	FEB. 10	98.64	MAY 10	95.81J	AUG. 15	98.80
NOV. 11	100.85J	FEB. 15	98.52	MAY 15	95.84	AUG. 20	99.08H
NOV. 15	100.81	FEB. 20	98.37	MAY 20	95.84	AUG. 25	99.25
NOV. 20	100.74	FEB. 25	98.14	MAY 25	96.08	AUG. 31	99.49
NOV. 25	100.53	FEB. 28	98.13	MAY 31	96.07	SEP. 5	99.27
NOV. 30	100.35	MAR. 5	97.83	JUNE 5	96.09	SEP. 10	99.40
DEC. 5	100.22	MAR. 7	97.72J	JUNE 6	96.06H	SEP. 15	99.63
DEC. 8	100.12H	MAR. 9	97.75H	JUNE 10	96.30	SEP. 20	99.19
DEC. 10	100.24	MAR. 10	97.77	JUNE 15	96.34	SEP. 25	99.60
DEC. 15	100.11	MAR. 15	97.91J	JUNE 20	96.75	SEP. 30	99.73

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 15., 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 52.92 BELOW LSD, JAN. 7, 1972.
 RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	51.45	FEB. 2, 1979	51.63	MAR. 13, 1979	51.70	SEP. 10, 1979	51.68
DEC. 8	51.18						

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.
 LSD 192.90 FT NGVD.
 HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
 LOWEST WATER LEVEL 57.20 BELOW LSD, SEP. 30, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	56.46H	FEB. 5, 1979	52.56	APR. 30, 1979	50.54	JULY 20, 1979	53.33
OCT. 5	56.62	FEB. 10	52.40	MAY 5	50.37	JULY 25	50.86
OCT. 10	56.83	FEB. 15	52.27	MAY 10	50.29	JULY 31	50.61
OCT. 15	56.84	FEB. 20	52.13	MAY 15	50.21	AUG. 5	50.55
OCT. 20	57.08	FEB. 25	52.12	MAY 20	50.10	AUG. 8	50.55H
OCT. 21	57.11J	FEB. 28	52.66J	MAY 24	50.06J	AUG. 10	50.53
NOV. 3	57.03H	MAR. 2	51.94H	MAY 25	51.85J	AUG. 11	50.50J
DEC. 8	53.24H	MAR. 5	51.88	MAY 31	50.42	AUG. 15	50.55
DEC. 10	53.14	MAR. 10	51.70	JUNE 6	50.38	AUG. 20	50.58
DEC. 13	54.55J	MAR. 15	51.52	JUNE 10	50.11	AUG. 25	53.27
DEC. 15	53.15	MAR. 20	51.37	JUNE 14	49.87J	AUG. 31	51.42
DEC. 20	52.93	MAR. 25	51.24	JUNE 15	49.95	SEP. 5	55.11
DEC. 25	52.96	MAR. 31	51.08	JUNE 20	50.20	SEP. 10	54.78
DEC. 31	52.82	APR. 5	51.01	JUNE 25	49.93	SEP. 13	55.95J
JAN. 4, 1979	52.71J	APR. 10	50.93	JUNE 30	50.26	SEP. 15	53.11
JAN. 5	52.75	APR. 15	50.80	JULY 11	52.75H	SEP. 20	52.36
FEB. 1	52.68H	APR. 20	50.66	JULY 15	50.87	SEP. 25	54.04
FEB. 2	51.97J	APR. 25	50.57H	JULY 18	53.44J	SEP. 30	52.00

See footnotes at end of table.

GROUND-WATER LEVELS

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 63.83 BELOW LSD, DEC. 20, 1971.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	61.88	MAR. 1, 1979	60.77	JUNE 4, 1979	61.03	AUG. 8, 1979	60.80
DEC. 7	61.01	APR. 23	60.24	JULY 16	60.76	SEP. 10	61.05
FEB. 2, 1979	61.52						

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. 3, 1978	48.51H	DEC. 14, 1978	50.10J	MAR. 10, 1979	46.49	JULY 5, 1979	47.87
OCT. 5	48.24	DEC. 15	48.90	MAR. 15	48.85J	JULY 10	49.09
OCT. 10	47.85	DEC. 20	49.02	MAR. 20	46.73	JULY 11	49.42H
OCT. 15	48.13	DEC. 25	48.37	MAR. 25	46.24	JULY 15	48.38
OCT. 16	49.08J	DEC. 31	48.33	MAR. 31	46.10	JULY 20	50.13
OCT. 20	48.06	JAN. 5, 1979	48.55	APR. 5	46.02	JULY 25	47.94
OCT. 25	47.64	JAN. 10	48.80	APR. 10	46.00	JULY 31	48.12
OCT. 26	47.62J	JAN. 15	48.67	APR. 15	45.89J	AUG. 5	47.27
OCT. 31	48.30	JAN. 20	48.66	APR. 20	46.17	AUG. 8	47.25H
NOV. 3	48.48H	JAN. 25	47.84	APR. 25	45.85H	AUG. 10	47.26
NOV. 5	49.54	JAN. 30	47.50	APR. 30	45.84	AUG. 15	47.80
NOV. 10	48.11	FEB. 1	47.45H	MAY 2	45.72J	AUG. 20	47.11
NOV. 15	48.17	FEB. 5	48.38J	MAY 3	47.09J	AUG. 22	47.05J
NOV. 20	47.86	FEB. 10	47.07	MAY 5	46.02	AUG. 25	47.97
NOV. 24	47.74J	FEB. 15	46.88	JUNE 6	47.36	AUG. 31	47.83
NOV. 25	48.08	FEB. 20	46.68	JUNE 10	46.88	SEP. 5	48.17
NOV. 30	48.67	FEB. 25	46.64	JUNE 14	46.57J	SEP. 10	47.77
DEC. 4	50.15J	FEB. 28	46.24	JUNE 15	47.44	SEP. 15	48.31
DEC. 5	49.27	MAR. 1	46.82H	JUNE 20	48.63	SEP. 20	47.85
DEC. 8	48.66H	MAR. 2	46.03J	JUNE 25	46.86	SEP. 25	47.65
DEC. 10	49.35	MAR. 5	46.86	JUNE 30	47.79	SEP. 30	47.92

310812092415101 LOCAL WELL NUMBER: R-850

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 113 FT, SCREENED 110-113. MP TOP OF CASING, 3.10 FT ABOVE LSD.

LSD 225.89 FT NGVD.

HIGHEST WATER LEVEL 56.93 BELOW LSD, JUNE 3, 1977,

LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 19, 1971.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	59.67	FEB. 1, 1979	60.20	JUNE 6, 1979	59.18	SEP. 10, 1979	58.99
DEC. 7	59.88	MAR. 1	59.48				

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
NOV. 1, 1978	53.58	FEB. 1, 1979	54.19	JUNE 6, 1979	53.29	SEP. 10, 1979	53.54
DEC. 7	53.64	MAR. 1	53.67				

See footnotes at end of table.

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
NOV. 2, 1978	44.39	DEC. 7, 1978	44.38	MAR. 9, 1979	44.40	SEP. 10, 1979	44.19
NOV. 7	44.40	JAN. 31, 1979	44.70				

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 CASING, 0.50 FT ABOVE LSD.
 LSD 196.50 FT NGVD.
 HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968.
 LOWEST WATER LEVEL 55.42 BELOW LSD, JAN. 20, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	53.76H	JAN. 10, 1979	55.23	APR. 5, 1979	54.54	JULY 10, 1979	53.21
OCT. 5	53.84	JAN. 15	55.32	APR. 10	54.46	JULY 11	53.18H
OCT. 10	53.96	JAN. 20	55.42J	APR. 15	54.40	JULY 15	53.26
OCT. 15	54.04	JAN. 25	54.22	APR. 20	54.29	JULY 20	53.31
OCT. 20	54.17	JAN. 31	53.46	APR. 25	54.20H	JULY 25	53.42
OCT. 25	54.27	FEB. 1	53.37	APR. 26	54.19J	JULY 30	53.52
OCT. 31	54.40	FEB. 2	53.28J	APR. 30	54.16	AUG. 5	53.60
NOV. 3	54.44H	FEB. 5	54.37	MAY 5	54.08	AUG. 8	53.46H
NOV. 5	54.48	FEB. 10	54.87	MAY 10	53.80	AUG. 10	53.49
NOV. 10	54.60	FEB. 15	55.11	MAY 15	53.76	AUG. 15	53.53
NOV. 15	54.68	FEB. 20	55.24	MAY 20	53.61	AUG. 20	53.58
NOV. 20	54.80	FEB. 23	55.29J	MAY 25	53.56	AUG. 25	53.64
NOV. 25	54.87	FEB. 25	55.27	MAY 31	53.45	AUG. 29	53.69J
NOV. 30	54.96	FEB. 28	55.25	JUNE 5	52.64J	AUG. 31	52.96
DEC. 5	55.00	MAR. 2	55.28H	JUNE 6	52.91H	SEP. 5	53.29
DEC. 8	55.15H	MAR. 5	55.19	JUNE 10	53.08	SEP. 10	53.10
DEC. 10	55.08	MAR. 10	54.98	JUNE 15	53.12	SEP. 15	52.67
DEC. 15	55.12	MAR. 15	54.88	JUNE 20	53.12	SEP. 20	51.97
DEC. 20	55.17	MAR. 20	54.80	JUNE 25	53.12	SEP. 25	51.84
DEC. 25	54.49	MAR. 25	54.71	JUNE 30	53.14	SEP. 28	51.80
DEC. 31	54.63	MAR. 31	54.59	JULY 5	53.20	SEP. 30	52.36
JAN. 5, 1979	55.02						

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 215.14 BELOW LSD, NOV. 2, 1978.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	215.14	FEB. 9, 1979	214.80	MAR. 12, 1979	214.77	SEP. 13, 1979	214.66
DEC. 12	214.97						

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 67.76 BELOW LSD, AUG. 14, 1979.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	63.85	MAR. 9, 1979	61.80	MAY 29, 1979	57.93	AUG. 14, 1979	67.76
DEC. 7	63.10	APR. 16	57.55	JULY 16	63.83	SEP. 13	60.15
FEB. 1, 1979	63.78						

See footnotes at end of table.

GROUND-WATER LEVELS

RAPIDES PARISH

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 44.04 BELOW LSD, DEC. 22, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	43.54	MAR. 1, 1979	42.06	JUNE 4, 1979	39.81	AUG. 8, 1979	41.70
DEC. 22	44.04	APR. 23	40.04	JULY 18	40.64	SEP. 10	41.88
FEB. 1, 1979	43.40						

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 35.13 BELOW LSD, JULY 3, 1973.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	34.36	FEB. 1, 1979	34.77	MAR. 1, 1979	34.80	SEP. 10, 1979	34.55
DEC. 22	34.65						

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 44.15 BELOW LSD, FEB. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	43.70	FEB. 1, 1979	44.15	MAR. 1, 1979	44.05	SEP. 10, 1979	43.69
DEC. 7	43.82						

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 64.20 BELOW LSD, MAR. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	63.64	FEB. 1, 1979	63.32	MAR. 1, 1979	64.20	SEP. 10, 1979	63.12
DEC. 7	63.77						

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 48.92 BELOW LSD, FEB. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	48.62	FEB. 1, 1979	48.92	MAR. 1, 1979	48.60	SEP. 10, 1979	47.94
DEC. 7	48.79						

310008092340801 LOCAL WELL NUMBER: R-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 15., 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 4.14 BELOW LSD, MAR. 9, 1977.
 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
NOV. 2, 1978	6.64	FEB. 1, 1979	4.81	MAR. 1, 1979	5.34	SEP. 10, 1979	6.44
DEC. 7	6.49						

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 49.27 BELOW LSD, DEC. 7, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	49.17	MAR. 1, 1979	49.00	JUNE 4, 1979	47.34	AUG. 8, 1979	47.77
DEC. 7	49.27	APR. 23	47.79	JULY 16	47.61	SEP. 10	48.11
FEB. 1, 1979	44.80						

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 43.14 BELOW LSD, FEB. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	42.52	MAR. 1, 1979	42.74	JUNE 4, 1979	40.85	AUG. 8, 1979	41.24
DEC. 7	42.69	APR. 23	41.80	JULY 16	41.05	SEP. 10	41.53
FEB. 1, 1979	43.14						

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 0.68 BELOW LSD, APR. 23, 1979.
 LOWEST WATER LEVEL 5.20 BELOW LSD, APR. 19, 1977.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	4.54	MAR. 1, 1979	3.07	JUNE 4, 1979	2.52	AUG. 8, 1979	4.22
DEC. 7	4.57	APR. 23	0.68	JULY 16	4.07	SEP. 10	3.28
FEB. 1, 1979	3.02						

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 0.09 ABOVE LSD, APR. 22, 1979.
 LOWEST WATER LEVEL 4.40 BELOW LSD, SEP. 10, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	3.58	MAR. 1, 1979	1.85	JUNE 4, 1979	2.55	AUG. 8, 1979	3.18
DEC. 7	3.54	APR. 22	0.09	JULY 16	3.03	SEP. 10	4.40
FEB. 1, 1979	2.01						

See footnotes at end of table.

GROUND-WATER LEVELS

RAPIDES PARISH

310348092355701 LOCAL WELL NUMBER: R-1025

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 1N., 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 170.00 FT NGVD.
 HIGHEST WATER LEVEL 41.55 BELOW LSD, MAR. 21, 1974,
 LOWEST WATER LEVEL 46.11 BELOW LSD, DEC. 7, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	46.07	FEB. 1, 1979	45.61	MAR. 1, 1979	45.75	SEP. 10, 1979	45.20
DEC. 7	46.11						

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 52.78 BELOW LSD, DEC. 7, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	52.32	FEB. 1, 1979	52.50	MAR. 1, 1979	51.92	SEP. 10, 1979	51.68
DEC. 7	52.78						

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 74.59 BELOW LSD, FEB. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	73.43	FEB. 1, 1979	74.59	MAR. 1, 1979	74.44	SEP. 10, 1979	73.31
DEC. 7	73.47						

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 9.48 BELOW LSD, NOV. 3, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	9.48	FEB. 1, 1979	7.40	MAR. 1, 1979	7.08	SEP. 10, 1979	9.22
DEC. 7	9.33						

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. 3, 1978	11.26	MAR. 1, 1979	9.41	JUNE 4, 1979	10.44	AUG. 8, 1979	10.63
DEC. 7	11.12	APR. 23	7.29	JULY 16	10.49	SEP. 10	11.14
FEB. 1, 1979	9.43						

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 11.03 BELOW LSD, NOV. 3, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	11.03	MAR. 1, 1979	8.47	JUNE 4, 1979	9.59	AUG. 8, 1979	10.42
DEC. 7	10.85	APR. 23	7.25	JULY 16	10.26	SEP. 10	10.69
FEB. 1, 1979	8.87						

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 71.24 BELOW LSD, FEB. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	70.23	FEB. 1, 1979	71.24	MAR. 1, 1979	71.04	SEP. 10, 1979	69.97
DEC. 7	70.02						

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 8.47 BELOW LSD, NOV. 3, 1978.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	8.47	FEB. 22, 1979	0.26	JULY 16, 1979	6.31	SEP. 10, 1979	6.61
DEC. 7	7.78	JUNE 4	2.80	AUG. 8	6.94		

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 90.01 BELOW LSD, FEB. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	89.12	FEB. 1, 1979	90.01	MAR. 1, 1979	89.34	SEP. 10, 1979	89.47
DEC. 7	89.29						

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 38.67 BELOW LSD, MAR. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	38.41	FEB. 1, 1979	38.50	MAR. 1, 1979	38.67	SEP. 10, 1979	37.32
DEC. 7	38.37						

See footnotes at end of table.

GROUND-WATER LEVELS

RAPIDES PARISH

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
 LSD 195.00 FT NGVD.
 HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975,
 LOWEST WATER LEVEL 46.90 BELOW LSD, MAR. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	44.89	FEB. 1, 1979	46.29	MAR. 1, 1979	46.90	SEP. 10, 1979	45.19
DEC. 8	44.93						

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 79.00 BELOW LSD, MAR. 1, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	77.34	FEB. 2, 1979	78.78	MAR. 1, 1979	79.00	SEP. 10, 1979	78.83
DEC. 8	77.41						

305944092402201 LOCAL WELL NUMBER: R-1045

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 63 FT, SCREENED 60-63. MP TOP OF CASING, 11.50 FT ABOVE LSD.
 LSD 120.00 FT NGVD.
 HIGHEST WATER LEVEL 1.70 ABOVE LSD, MAR. 7, 1977,
 LOWEST WATER LEVEL 8.10 BELOW LSD, NOV. 1, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	8.10	FEB. 2, 1979	0.57	JULY 18, 1979	6.28	SEP. 10, 1979	5.13
DEC. 15	3.37	APR. 23	1.43	AUG. 7	6.60	SEP. 24	0.68

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 184.19 BELOW LSD, SEP. 10, 1979.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	179.55	MAR. 1, 1979	181.65	JUNE 4, 1979	182.89	AUG. 8, 1979	183.19
DEC. 7	180.50	APR. 23	181.93	JULY 16	183.05	SEP. 10	184.19
FEB. 1, 1979	184.15						

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 31.33 BELOW LSD, MAR. 9, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	31.33						

See footnotes at end of table.

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 66.05 BELOW LSD, MAR. 9, 1979.
 RECORDS AVAILABLE 1973, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	65.57	MAR. 9, 1979	66.05				

305755092390801 LOCAL WELL NUMBER: R-1065

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 1S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 118 FT, SCREENED 113-118. MP TOP OF 2-IN GALV. PIPE, 1.80 FT ABOVE LSD.
 LSD 134.00 FT NGVD.
 HIGHEST WATER LEVEL 17.80 BELOW LSD, MAR. 16, 1977,
 LOWEST WATER LEVEL 21.27 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	21.27	MAR. 9, 1979	18.44				

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 57.77 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-78.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	57.77						

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 MIOCENE-PLIOCENE 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	39.17	MAR. 9, 1979	36.45				

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF MIOCENE-PLIOCENE 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 50.92 BELOW LSD, DEC. 8, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	50.80	FEB. 1, 1979	50.30	MAR. 1, 1979	49.76	SEP. 10, 1979	50.22
DEC. 8	50.92						

GROUND-WATER LEVELS

RAPIDES PARISH

310101092413901 LOCAL WELL NUMBER: R-1125

OWNER: MINERVA RAY. (SEC. 32, T. 1N., R. 3W.) BORED 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	22.68						

RED RIVER PARISH

320019093225601 LOCAL WELL NUMBER: RR-141

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION SEMIARTESIAN 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, 1.00 FT ABOVE LSD.
 LSD 128.19 FT NGVD.
 HIGHEST WATER LEVEL 1.18 BELOW LSD, JUNE 12, 1975.
 LOWEST WATER LEVEL 20.76 BELOW LSD, FEB. 2, 1957.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1978	16.42	FEB. 12, 1979	8.00	APR. 4, 1979	2.63	JULY 2, 1979	8.10
DEC. 5	16.08	MAR. 15	6.65	APR. 30	6.02	JULY 31	8.96
JAN. 9, 1979	11.81	APR. 2	3.75	JUNE 4	6.39	AUG. 27	10.45

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 20.45 BELOW LSD, NOV. 30, 1970.
 RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 9, 1979	18.20	AUG. 21	18.86				

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. 9, 1979	18.96	AUG. 21	19.26				

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. 10, 1979	10.30	AUG. 21	10.98				

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, 4.25 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. 10, 1979	10.29	AUG. 21	11.00				

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
DEC. 1, 1978	16.84	APR. 9, 1979	16.31	AUG. 21, 1979	16.66		

323304091374301 LOCAL WELL NUMBER: RI-94

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 18N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 345 FT, SCREENED 335-345. MP TOP OF CASING, 3.00 FT ABOVE LSD.
 LSD 80.00 FT NGVD.
 HIGHEST WATER LEVEL 11.87 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 14.23 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. 9, 1979	12.84	AUG. 21	12.51				

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. 9, 1979	23.82	AUG. 20	23.85				

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 15.38 BELOW LSD, APR. 9, 1979,
 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. 9, 1979	15.38	AUG. 22	15.58				

GROUND-WATER LEVELS

RICHLAND PARISH

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. 9, 1979	15.53	AUG. 21	16.41				

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: 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 34.30 BELOW LSD, APR. 9, 1979.

RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1978	33.98	APR. 9, 1979	34.30	AUG. 20, 1979	33.85		

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
DEC. 1, 1978	33.42	APR. 9, 1979	33.22	AUG. 20, 1979	32.79		

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 33.90 BELOW LSD, DEC. 1, 1978.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1978	33.90	APR. 9, 1979	33.48	AUG. 20, 1979	30.75		

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 PALEOCENE-EOCENE 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.

RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1978	15.88	MAR. 9, 1979	10.43	JUNE 13, 1979	12.32	SEP. 12, 1979	15.21

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BD. (SEC. 12, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-Eocene 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
DEC. 19, 1978	84.65	MAR. 4, 1979	86.78	MAY 31, 1979	83.29	SEP. 12, 1979	87.61

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
NOV. 8, 1978	66.38	JAN. 24, 1979	65.92	MAR. 8, 1979	65.26	SEP. 13, 1979	65.63
DEC. 19	66.11						

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 17.57 BELOW LSD, JUNE 21, 1965.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	17.20	MAR. 8, 1979	13.47	MAY 29, 1979	14.00	AUG. 16, 1979	16.02
DEC. 19	16.32	APR. 17	13.30	JULY 5	13.47	SEP. 12	16.59
JAN. 24, 1979	14.45						

311929093312301 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. 8, 1978	44.02	MAR. 8, 1979	41.03	JUNE 1, 1979	41.55	AUG. 15, 1979	43.11
DEC. 20	42.88	APR. 17	41.52	JULY 5	42.37	SEP. 12	43.10
JAN. 23, 1979	42.80						

311929093312302 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. 8, 1978	42.90	MAR. 8, 1979	41.97	JUNE 1, 1979	40.60	AUG. 15, 1979	41.89
DEC. 20	42.22	APR. 17	40.76	JULY 5	41.50	SEP. 12	42.39
JAN. 23, 1979	42.05						

GROUND-WATER LEVELS

SABINE PARISH

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. 20, 1978	74.45	MAR. 8, 1979	73.70	JUNE 1, 1979	74.04	SEP. 12, 1979	74.02

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 115.42 BELOW LSD, JULY 3, 1975.

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. 20, 1978	116.43	MAR. 8, 1979	115.90	JUNE 1, 1979	115.63	SEP. 12, 1979	115.90

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 26.12 BELOW LSD, JAN. 3, 1969.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	25.99	MAR. 8, 1979	25.58	JUNE 1, 1979	25.46	AUG. 15, 1979	25.82
DEC. 20	25.68	APR. 17	25.61	JULY 5	25.80	SEP. 13	25.95
JAN. 23, 1979	25.35						

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 PALEOCENE-EOCENE 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
NOV. 7, 1978	109.72	JAN. 23, 1979	109.28	MAR. 7, 1979	108.15	SEP. 12, 1979	108.80
DEC. 19	109.42						

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 PALEOCENE-EOCENE 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 4.48 BELOW LSD, SEP. 20, 1978.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	3.41	MAR. 7, 1979	2.55	MAY 31, 1979	2.52	AUG. 14, 1979	3.10
DEC. 19	3.10	APR. 16	2.53	JULY 5	2.58	SEP. 12	3.25
JAN. 23, 1979	3.04						

SABINE PARISH

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 PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.
 LSD 260.00 FT NGVD.
 HIGHEST WATER LEVEL 102.79 BELOW LSD, SEP. 12, 1979,
 LOWEST WATER LEVEL 103.68 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	103.68	MAR. 8, 1979	103.16	MAY 31, 1979	103.14	AUG. 15, 1979	102.97
DEC. 20	103.26	APR. 17	103.12	JULY 5	103.11	SEP. 12	102.79
JAN. 23, 1979	103.08						

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 PALEOCENE-EOCENE 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 39.96 BELOW LSD, MAR. 8, 1979,
 LOWEST WATER LEVEL 46.33 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	46.33	MAR. 8, 1979	39.96	JUNE 22, 1979	41.94	AUG. 15, 1979	43.53
DEC. 20	43.56	APR. 17	40.43	JULY 5	42.68	SEP. 12	43.99
JAN. 23, 1979	43.11	MAY 31	41.38				

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 MIOCENE-PLIOCENE 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 96.57 BELOW LSD, NOV. 1, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	92.48	JAN. 23, 1979	81.05	APR. 27, 1979	90.60	JULY 20, 1979	82.70
NOV. 22	90.24	FEB. 21	91.42	MAY 23	90.19	AUG. 15	95.03
DEC. 18	92.12	MAR. 21	90.86	JUNE 22	90.96		

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	15.38						

GROUND-WATER LEVELS

ST. LANDRY PARISH

304645091492501 LOCAL WELL NUMBER: SL-171

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 35., 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	5.58						

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN PIPE, 4.00 FT ABOVE LSD.
 LSD 49.88 FT NGVD.
 HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,
 LOWEST WATER LEVEL 54.73 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1958-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	54.73						

304315092041101 LOCAL WELL NUMBER: SL-191

OWNER: ELTON FONTENOT. (IRREG. SEC. 40, T. 4S., R. 4E.) DRILLED STOCK-SUPPLY ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 140 FT, SCREENED 130-140. MP TOP OF 1 1/4-IN NIPPLE, 1.50 FT ABOVE LSD.
 LSD 39.04 FT NGVD.
 HIGHEST WATER LEVEL 23.28 BELOW LSD, MAR. 23, 1961,
 LOWEST WATER LEVEL 29.40 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1960-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	29.40						

302443092062901 LOCAL WELL NUMBER: SL-193

OWNER: SUN OIL CO. (IRREG. SEC. 37, T. 7S., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 234 FT, SCREENED 214-234. MP TOP OF COUPLING, 2.59 FT ABOVE LSD.
 LSD 47.84 FT NGVD.
 HIGHEST WATER LEVEL 48.78 BELOW LSD, MAR. 30, 1962,
 LOWEST WATER LEVEL 57.54 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1960-72, 1974-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	57.54						

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 MIOCENE-PLIOCENE 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 80.62 BELOW LSD, SEP. 20, 1978.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	80.57	JAN. 23, 1979	79.14	APR. 27, 1979	78.15	JULY 20, 1979	79.84
NOV. 22	80.27	FEB. 21	78.94	MAY 23	78.28	AUG. 15	80.40
DEC. 18	79.85	MAR. 21	78.54	JUNE 22	78.89		

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
OCT. 23, 1978	96.33	JAN. 23, 1979	92.31	APR. 27, 1979	93.42	JULY 20, 1979	102.99
NOV. 22	95.30	FEB. 21	91.45	MAY 23	105.26	AUG. 15	99.02
DEC. 18	94.12	MAR. 21	91.08	JUNE 22	109.95		

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 68.94 BELOW LSD, AUG. 28, 1969.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	67.72	JAN. 23, 1979	68.55	APR. 27, 1979	67.98	JULY 20, 1979	68.54
NOV. 22	68.38	FEB. 21	67.20	MAY 23	68.00E	AUG. 15	68.59
DEC. 18	68.90	MAR. 21	67.98	JUNE 22	68.32		

303109092041902 LOCAL WELL NUMBER: SL-207

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 472-478. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 62.00 FT NGVD.
 HIGHEST WATER LEVEL 66.28 BELOW LSD, MAR. 26, 1968,
 LOWEST WATER LEVEL 76.64 BELOW LSD, DEC. 2, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	75.73	JAN. 23, 1979	74.73	APR. 27, 1979	74.72	JULY 20, 1979	74.44
NOV. 22	74.25	FEB. 21	75.35	MAY 23	75.13	AUG. 15	75.70
DEC. 18	75.70	MAR. 21	74.98	JUNE 22	75.42		

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.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	6.20						

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 MIOCENE-PLIOCENE 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 59.15 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1967-69, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	59.15						

See footnotes at end of table.

GROUND-WATER LEVELS

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. 11, 1978	14.69	MAR. 8, 1979	9.02	MAY 30, 1979	2.05	SEP. 12, 1979	12.55

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. 11, 1978	19.30	MAR. 8, 1979	9.89	MAY 30, 1979	10.18	SEP. 12, 1979	13.18

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: OLINKRAFT, INC. (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 TOP OF 3/4-IN COLLAR, 1.50 FT ABOVE LSD (SINCE 11/29/78).
 LSD 133.92 FT NGVD.
 HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959,
 LOWEST WATER LEVEL 177.10 BELOW LSD, SEP. 21, 1979.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	176.11	MAR. 13, 1979	176.07	JUNE 5, 1979	175.63	SEP. 21, 1979	177.10
NOV. 29	176.38						

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 193.89 BELOW LSD, MAR. 13, 1979.
 RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1979	193.89	SEP. 13	192.97				

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 144.98 BELOW LSD, MAR. 13, 1979.
 RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1979	144.98	SEP. 13	144.10				

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 209.65 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	209.25	MAR. 13, 1979	208.19	JUNE 7, 1979	207.59	SEP. 13, 1979	209.65
NOV. 29	209.02						

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 213.17 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	210.27	MAR. 13, 1979	209.79	JUNE 6, 1979	208.65	SEP. 13, 1979	213.17
NOV. 29	212.27						

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, 1.25 FT ABOVE LSD.

LSD 122.00 FT NGVD.

HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968,

LOWEST WATER LEVEL 147.85 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	143.68	MAR. 6, 1979	144.55	JUNE 7, 1979	144.60	SEP. 13, 1979	147.85
NOV. 29	143.08						

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 142.82 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	142.66	MAR. 6, 1979	141.80	JUNE 7, 1979	141.26	SEP. 13, 1979	142.82
NOV. 29	140.80						

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 219.90 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	217.40	MAR. 13, 1979	218.56	SEP. 13, 1979	219.90		

GROUND-WATER LEVELS

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 192.83 BELOW LSD, OCT. 30, 1978.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	192.83	MAR. 13, 1979	192.45	SEP. 12, 1979	192.35		

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 87.17 BELOW LSD, SEP. 12, 1979.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1979	84.72	SEP. 12	87.17				

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 38.60 BELOW LSD, SEP. 12, 1979.

RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1979	38.06	SEP. 12	38.60				

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 273.05 BELOW LSD, SEP. 13, 1979.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	269.88	JUNE 14, 1979	269.11	AUG. 24, 1979	272.09	SEP. 13, 1979	273.05
APR. 12	269.51	JULY 18	271.06				

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 305.30 FT NGVD.
 HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961,
 LOWEST WATER LEVEL 212.14 BELOW LSD, AUG. 26, 1979.
 RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	200.84J	JAN. 5, 1979	200.10	APR. 9, 1979	194.87J	JULY 5, 1979	205.97
OCT. 3	201.25H	JAN. 10	199.59	APR. 10	195.05	JULY 6	206.79H
OCT. 5	201.50J	JAN. 15	199.56	APR. 15	196.69	JULY 10	208.02
OCT. 10	199.08	JAN. 20	200.76	APR. 18	197.35H	JULY 15	208.96
OCT. 15	198.98	JAN. 25	200.95	APR. 20	197.54	JULY 20	209.47
OCT. 20	199.01	JAN. 31	200.10	APR. 25	197.00	JULY 25	205.71
OCT. 25	198.55	FEB. 5	199.57	APR. 27	196.61J	JULY 31	204.46
OCT. 31	198.80	FEB. 10	200.16	APR. 30	197.18	AUG. 5	206.21
NOV. 5	198.44	FEB. 15	200.11	MAY 5	198.84	AUG. 10	208.55
NOV. 10	199.27	FEB. 16	200.00H	MAY 10	198.61	AUG. 15	209.94
NOV. 15	199.05	FEB. 20	198.69	MAY 15	199.27	AUG. 16	210.37J
NOV. 20	197.96	FEB. 25	199.50	MAY 20	200.19	AUG. 17	209.94H
NOV. 25	197.33	FEB. 26	198.56J	MAY 25	200.64	AUG. 20	210.88
NOV. 27	195.69J	FEB. 28	201.01	MAY 31	201.17	AUG. 25	212.03
NOV. 30	197.30	MAR. 5	199.76	JUNE 4	201.88H	AUG. 26	212.14J
DEC. 5	196.91	MAR. 8	199.00H	JUNE 5	202.46	AUG. 31	209.24
DEC. 10	197.39	MAR. 10	199.32	JUNE 10	201.12	SEP. 5	207.63
DEC. 12	198.56H	MAR. 15	199.35	JUNE 11	200.94J	SEP. 10	206.24
DEC. 15	198.76	MAR. 20	198.46	JUNE 15	202.44	SEP. 15	206.06
DEC. 20	198.58	MAR. 25	196.66	JUNE 20	202.70	SEP. 20	205.58
DEC. 25	196.81	MAR. 31	196.14	JUNE 25	202.78	SEP. 25	205.30
DEC. 31	195.52	APR. 5	195.54	JUNE 30	203.68	SEP. 30	205.09

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.
 LSD 338.00 FT NGVD.
 HIGHEST WATER LEVEL 136.61 BELOW LSD, MAR. 5, 1943,
 LOWEST WATER LEVEL 177.33 BELOW LSD, JAN. 11, 1975.
 RECORDS AVAILABLE 1943, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	172.64H	JAN. 10, 1979	173.57	APR. 9, 1979	172.41J	JULY 6, 1979	172.10
OCT. 5	173.37	JAN. 15	173.20	APR. 10	172.26	JULY 10	172.38
OCT. 9	172.19J	JAN. 20	171.64	APR. 15	171.37	JULY 15	172.19
OCT. 10	172.67	JAN. 25	171.72	APR. 18	171.78J	JULY 20	172.22
OCT. 15	172.63	JAN. 31	171.88	APR. 20	171.56	JULY 25	171.76
OCT. 20	173.05	FEB. 5	171.13	APR. 25	171.52	JULY 31	172.40
OCT. 25	173.67	FEB. 6	170.99J	APR. 30	171.68	AUG. 4	172.97J
OCT. 31	173.97	FEB. 10	171.55	MAY 5	171.58	AUG. 5	171.16
NOV. 4	174.88J	FEB. 15	172.46	MAY 10	170.98	AUG. 8	170.45J
NOV. 5	173.11	FEB. 16	172.07H	MAY 15	171.29	AUG. 10	171.97
NOV. 10	173.43	FEB. 20	171.17	MAY 20	171.16	AUG. 15	171.95
NOV. 15	173.05	FEB. 25	171.47	MAY 24	172.23J	AUG. 17	171.80H
NOV. 20	173.67	FEB. 28	171.43	MAY 25	171.71	AUG. 18	173.38J
NOV. 25	172.98	MAR. 5	170.94	MAY 31	170.68	AUG. 20	172.88
NOV. 30	173.15	MAR. 6	170.67J	JUNE 2	170.39J	AUG. 25	170.39
DEC. 5	173.32	MAR. 8	171.02H	JUNE 4	169.87J	AUG. 27	170.32J
DEC. 10	172.80	MAR. 10	170.91	JUNE 5	171.34	AUG. 31	172.05
DEC. 12	172.95H	MAR. 15	171.36	JUNE 10	171.51	SEP. 5	171.51
DEC. 15	173.43	MAR. 20	170.73	JUNE 15	172.31	SEP. 10	171.82
DEC. 20	173.21	MAR. 25	170.60	JUNE 20	172.06	SEP. 15	172.03
DEC. 25	172.45	MAR. 31	170.87	JUNE 25	171.91	SEP. 20	171.69
DEC. 31	171.91	APR. 1	170.24J	JUNE 30	171.80	SEP. 25	172.77
JAN. 5, 1979	174.31	APR. 5	171.31	JULY 5	172.84	SEP. 30	171.36
JAN. 6	174.67J						

See footnotes at end of table.

GROUND-WATER LEVELS

VERNON PARISH

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. 8, 1978	13.20	MAR. 8, 1979	12.10	MAY 29, 1979	12.25	AUG. 15, 1979	12.54
DEC. 20	12.69	APR. 18	11.95	JULY 5	12.40	SEP. 13	12.75
JAN. 24, 1979	12.08						

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 28.20 ABOVE LSD, FEB. 9, 1978.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978 +	28.70	MAR. 8, 1979 +	29.40	MAY 29, 1979 +	29.10	AUG. 15, 1979 +	29.20
DEC. 20 +	28.90	APR. 30 +	29.30	JULY 3 +	29.30	SEP. 13 +	28.90
JAN. 24, 1979 +	28.80						

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. 8, 1978	40.58	MAR. 8, 1979	36.18	MAY 29, 1979	35.45	AUG. 15, 1979	39.27
DEC. 20	40.30	APR. 18	36.09	JULY 5	38.30	SEP. 13	39.82

311201093080201 LOCAL WELL NUMBER: V-425B

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATHOULA 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 165.18 BELOW LSD, SEP. 13, 1979,
 LOWEST WATER LEVEL 165.79 BELOW LSD, AUG. 17, 1979.
 RECORDS AVAILABLE 1968-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 6, 1979	165.66	AUG. 17	165.79	SEP. 13, 1979	165.18		

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 915 FT, SCREENED 905-915. MP TOP OF CASING, 3.40 FT ABOVE LSD.
 LSD 305.00 FT NGVD.
 HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969,
 LOWEST WATER LEVEL 130.80 BELOW LSD, JULY 6, 1979.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	128.80	MAR. 8, 1979	129.00	JUNE 4, 1979	128.98	AUG. 17, 1979	129.32
DEC. 12	129.37	MAY 1	129.40	JULY 6	130.80	SEP. 13	129.40
FEB. 9, 1979	129.28						

See footnotes at end of table.

311544093002501 LOCAL WELL NUMBER: V-427

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1230 FT, SCREENED 1220-1230. MP TOP OF CASING, 3.85 FT ABOVE LSD.
 LSD 290.00 FT NGVD.
 HIGHEST WATER LEVEL 157.59 BELOW LSD, MAY 2, 1968.
 LOWEST WATER LEVEL 168.64 BELOW LSD, AUG. 17, 1979.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	168.35	MAR. 8, 1979	167.89	JUNE 4, 1979	168.15	AUG. 17, 1979	168.64
DEC. 12	168.17	MAY 1	167.95	JULY 6	168.60	SEP. 13	168.54
FEB. 9, 1979	167.94						

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 925 FT, SCREENED 915-925. MP TOP OF CASING, 3.90 FT ABOVE LSD.
 LSD 290.00 FT NGVD.
 HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968.
 LOWEST WATER LEVEL 112.41 BELOW LSD, AUG. 17, 1979.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	111.64	MAR. 8, 1979	111.03	JUNE 4, 1979	111.13	AUG. 17, 1979	112.41
DEC. 12	111.38	MAY 1	111.00	JULY 6	111.80	SEP. 13	111.81
FEB. 9, 1979	111.17						

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	16.43	MAR. 7, 1979	9.31				

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 57.97 BELOW LSD, NOV. 8, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	57.97	MAR. 7, 1979	57.48				

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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	25.35	MAR. 7, 1979	24.09				

GROUND-WATER LEVELS

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. 2, 1978	64.04J	FEB. 5, 1979	62.13	APR. 25, 1979	59.52	JULY 10, 1979	59.78H
OCT. 3	64.23H	FEB. 10	61.88	APR. 30	59.31	JULY 15	59.92
OCT. 5	63.99	FEB. 15	61.65	MAY 5	58.90	JULY 20	60.13
OCT. 6	66.07J	FEB. 20	61.58	MAY 9	58.60H	JULY 25	60.38
OCT. 10	63.95	FEB. 24	61.42J	MAY 10	58.63	JULY 31	60.14
OCT. 15	63.88	FEB. 25	61.57	MAY 15	58.57	AUG. 5	59.90
OCT. 20	63.76	FEB. 28	61.61	MAY 20	58.65	AUG. 10	59.58
OCT. 25	63.87	MAR. 5	61.80	MAY 22	58.52J	AUG. 15	59.37
OCT. 31	63.70	MAR. 10	62.00	MAY 25	58.68	AUG. 20	59.26
NOV. 5	63.19	MAR. 15	62.28H	MAY 31	58.80	AUG. 21	59.33H
NOV. 10	62.78	MAR. 16	62.30J	JUNE 5	58.93	AUG. 25	59.10
NOV. 15	62.51	MAR. 20	62.18	JUNE 7	59.03H	AUG. 31	58.84
NOV. 20	62.41	MAR. 25	62.15	JUNE 10	59.18	SEP. 5	58.69
NOV. 25	62.64	MAR. 31	61.95	JUNE 15	59.37	SEP. 10	58.54
NOV. 30	62.34	APR. 5	61.50	JUNE 20	59.56	SEP. 15	58.61
DEC. 3	62.18J	APR. 10	60.83	JUNE 25	59.83	SEP. 20	58.24
DEC. 5	62.33H	APR. 15	60.42	JUNE 30	59.97	SEP. 21	58.16H
JAN. 30, 1979	62.42H	APR. 20	59.87	JULY 5	60.01	SEP. 30	58.30
JAN. 31	62.38						

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE 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
DEC. 1, 1978	35.20	MAR. 15, 1979	34.05	SEP. 13, 1979	32.12		

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 187.99 BELOW LSD, FEB. 16, 1971.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1978	179.93	MAR. 15, 1979	176.98	SEP. 12, 1979	176.15		

323553093141102 LOCAL WELL NUMBER: WB-286

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 558 FT, SCREENED 548-558. MP HOLE IN CASING CAP, 1.07 FT ABOVE LSD.

LSD 340.00 FT NGVD.

HIGHEST WATER LEVEL 138.11 BELOW LSD, MAY 20, 1970,

LOWEST WATER LEVEL 423.09 BELOW LSD, NOV. 30, 1970.

RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 14, 1979	296.45						

See footnotes at end of table.

WEBSTER PARISH

325200093151701 LOCAL WELL NUMBER: WR-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 (SINCE 12/5/78).
 LSD 260.00 FT NGVD.
 HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976.
 LOWEST WATER LEVEL 112.11 BELOW LSD, SEP. 12, 1979.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1978	111.35	MAR. 14, 1979	111.97	JUNE 7, 1979	110.90	SEP. 12, 1979	112.11

330040093190001 LOCAL WELL NUMBER: WR-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 95.72 BELOW LSD, SEP. 19, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1978	92.99	MAR. 14, 1979	93.47	MAY 9, 1979	92.60	SEP. 19, 1979	95.72
JAN. 30, 1979	92.76						

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 101.02 BELOW LSD, SEP. 12, 1979.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1978	100.29	MAY 15, 1979	100.47	JULY 19, 1979	100.10	SEP. 12, 1979	101.02
FEB. 6, 1979	100.18	JUNE 4	100.42	AUG. 22	100.74		

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 44.52 BELOW LSD, JUNE 4, 1979.
 LOWEST WATER LEVEL 45.91 BELOW LSD, AUG. 21, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 6, 1979	44.99	JUNE 4, 1979	44.52D	AUG. 21, 1979	45.91D	SEP. 13, 1979	45.85
MAY 15	45.02D	JULY 19	45.25				

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.
 LSD 106.35 FT NGVD.
 HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963.
 LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 15, 1979	31.20	SEP. 26	31.60				

See footnotes at end of table.

GROUND-WATER LEVELS

WINN PARISH

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFELD. (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH APPROXIMATELY 120 FT, SCREENED INTERVAL UNKNOWN. 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. 15, 1978	18.90	MAR. 19, 1979	20.38	JUNE 15, 1979	17.29	SEP. 14, 1979	17.30

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFELD. (SEC. 24, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 583 FT, SCREENED 553-583. MP TOP OF CASING, AT LSD.
 LSD 135.00 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
DEC. 15, 1978	78.01	MAR. 19, 1979	79.35	JUNE 15, 1979	80.10	SEP. 14, 1979	82.75
FEB. 12, 1979	82.00	APR. 7	78.25	JULY 9	81.50		

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 37.07 BELOW LSD, MAR. 8, 1978,
 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
DEC. 15, 1978	38.00	MAR. 19, 1979	38.21	JUNE 15, 1979	38.70	SEP. 14, 1979	39.06

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 200.25 BELOW LSD, JAN. 21, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1978	198.39	MAR. 19, 1979	197.86	JUNE 22, 1979	197.45	SEP. 14, 1979	197.70
FEB. 12, 1979	197.17						

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 82.40 BELOW LSD, SEP. 14, 1979.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1979	81.77	APR. 13, 1979	82.32	JULY 10, 1979	82.16	SEP. 14, 1979	82.40
MAR. 2	81.68	JUNE 15	82.30				

FOOTNOTES

- + Above land-surface datum.
- A Well being pumped.
- C Nearby well or wells being pumped.
- D Nearby well or wells pumped recently.
- E Estimated.
- H Tape measurement (recorder).
- J Recorder measurement for a time other than noon.



Figure 9. — Location of wells for which water-quality data are included in this report.

QUALITY OF GROUND WATER
CHEMICAL ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

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LOCAL IDENT- IFIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
ALLEN PARISH										
AL- 22	6S	4W 20	303039092480701	112CHCT	271	79-05-17	--	162	--	--
AL- 292	4S	4W 31	304002092485501	112CHCT	124	79-08-08	1400	158	6.0	--
AL- 293	4S	5W 11	304337092504001	112CHCT	85	79-08-08	1130	122	5.9	--
AL- 294	6S	6W 15	303150092575601	112CHCT	142	79-08-09	1100	163	5.8	--
AL- 295	4S	5W 4	304404092532901	112CHCT	163	79-08-08	1030	37	5.4	--
AL- 298	5S	2W 17	303732092355401	112CHCT	137	79-08-09	0930	251	6.8	--
AL- 301	2S	4W 17	305327092472301	112CHCT	160	79-08-07	1630	54	5.4	--
AL- 303	4S	3W 15	304157092400001	112CHCT	144	79-08-08	0730	170	6.6	--
AL- 305	3S	5W 5	304936092541501	112CHCT	164	78-12-14	--	--	--	--
AL- 340	5S	6W 30	303504093013201	112CHCT	250	79-05-12	1430	141	--	--
BEAUREGARD PARISH										
BE- 430	5S	7W 24	303644093020401	112CHCT	123	78-12-01	--	133	6.1	22.0
				112CHCT	123	79-08-15	--	135	6.4	--
BE- 432	2S	7W 36	305044093014501	112CHCT	122	78-12-13	--	71	--	19.5
BE- 434	2S	8W 25	305144093084501	112CHCT	163	78-12-06	--	56	6.7	20.0
BE- 436	2S	11W 20	305011093303801	112CHCT	89	78-12-07	--	58	6.5	21.0
BE- 437	3S	11W 18	304755093315801	112CHCT	60	78-12-07	--	224	7.2	--
BE- 438	2S	8W 25	304320093314001	112CHCT	144	79-08-16	--	94	6.2	20.5
BE- 439	3S	9W 36	304556093142501	112CHCT	189	78-12-13	--	104	--	21.0
				112CHCT	189	79-08-15	--	99	6.4	--
BE- 442	4S	10W 16	304248093232601	112CHCT	144	78-11-30	--	91	6.8	19.0
BE- 443	3S	10W 5	305018093251301	112CHCT	164	78-12-12	--	66	--	20.5
BE- 445	3S	6W 4	304941092584201	112CHCT	98	79-08-20	--	50	--	21.0
BE- 446	5S	12W 4	303933093353601	112CHCT	157	78-12-12	--	180	--	20.5
BE- 456	4S	12W 3	304445093351701	112ALVL	83	79-08-16	--	143	6.0	19.5
BOSSIER PARISH										
BO- 399	21N	12W 17	324846093375701	124SPRT	361	79-07-11	1130	149	6.7	20.0
CALDWELL PARISH										
CA- 97	13N	2E 10	320713092153601	124CCKF	324	78-10-17	1100	393	7.5	20.0
CA- 98	14N	2E 21	321034092161801	124SPRT	480	78-11-13	1230	1360	8.7	23.0
CA- 99	14N	2E 21	321033092161301	124CCKF	215	78-11-13	1430	118	--	--
CLATBORNE PARISH										
CL- 148	22N	5W 12	325437092503301	124SPRT	625	78-10-09	1800	278	--	--
CL- 149	23N	4W 11	330002092445901	124SPRT	736	78-10-18	1200	577	--	--
DESOTO PARISH										
DS- 281	12N	15W 31	315852093561101	124WLCX	99	79-08-02	1300	121	5.8	--
DS- 443	11N	12W 37	315345093355801	124WLCX	304	79-06-22	1000	202	--	--
DS- 444	11N	12W 20	315545093372601	124WLCX	241	79-06-21	1630	571	--	--
DS- 445	11N	12W 22	315521093343801	124WLCX	140	79-06-19	1400	437	--	--

Geologic unit (aquifer):

112ALVL-Alluvial aquifers, undifferentiated, Pleistocene age
112CHCT-Chicot aquifer, Pleistocene age.

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L 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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
ALLEN PARISH--Continued										
AL- 22	6S 4W 20 79-05-17	--	--	--	--	--	--	--	--	--
AL- 292	4S 4W 31 79-08-08	30	0	6.8	3.2	19	1.4	53	0	2.8
AL- 293	4S 5W 11 79-08-08	18	0	5.7	.9	17	1.5	46	0	1.0
AL- 294	6S 6W 15 79-08-09	28	0	6.2	3.0	22	1.5	52	0	1.4
AL- 295	4S 5W 4 79-08-08	3	0	.9	.2	4.0	2.2	11	0	.0
AL- 298	5S 2W 17 79-08-09	71	0	15	8.2	24	1.7	100	0	2.2
AL- 301	2S 4W 17 79-08-07	11	0	2.8	1.0	4.0	2.3	19	0	.0
AL- 303	4S 3W 15 79-08-08	43	0	10	4.4	16	1.5	71	0	3.4
AL- 305	3S 5W 5 78-12-14	3	--	--	--	--	--	--	--	.0
AL- 340	5S 6W 30 79-05-12	--	--	--	--	--	--	--	--	--
BEAUREGARD PARISH--Continued										
BE- 430	5S 7W 24 78-12-01	23	0	6.1	1.9	15	2.2	42	0	.0
	79-08-15	24	0	6.2	2.1	16	2.6	42	0	.0
BE- 432	2S 7W 36 78-12-13	13	0	3.0	1.3	9.2	.9	34	0	.0
BE- 434	2S 8W 25 78-12-06	10	0	3.0	.6	6.3	2.3	22	0	.0
BE- 436	2S 11W 20 78-12-07	18	0	4.8	1.5	3.6	1.1	27	0	.0
BE- 437	3S 11W 18 78-12-07	85	0	28	3.7	13	3.1	130	0	.4
BE- 438	2S 8W 25 79-08-16	17	0	3.8	1.8	12	2.5	39	0	3.8
BE- 439	3S 9W 36 78-12-13	18	0	5.1	1.3	13	2.4	42	0	.0
	79-08-15	13	0	3.7	.9	13	2.4	35	0	.0
BE- 442	4S 10W 16 78-11-30	23	0	6.2	1.8	6.8	2.8	46	0	.0
BE- 443	3S 10W 5 78-12-12	11	0	3.0	.9	8.4	1.8	31	0	.0
BE- 445	3S 6W 4 79-08-20	7	0	1.9	.5	6.0	1.2	17	0	.0
BE- 446	5S 12W 4 78-12-12	41	0	10	3.9	18	2.6	74	0	4.8
BE- 456	4S 12W 3 79-08-16	32	0	9.9	1.8	13	2.7	46	0	12
BOSSIER PARISH--Continued										
BO- 399	21N 12W 17 79-07-11	7	0	1.8	.6	30	1.7	73	0	3.0
CALDWELL PARISH--Continued										
CA- 97	13N 2E 10 78-10-17	100	35	25	10	33	4.0	84	0	52
CA- 98	14N 2E 21 78-11-13	4	0	1.1	.3	340	2.1	790	24	.0
CA- 99	14N 2E 21 78-11-13	19	0	4.6	1.8	15	2.1	48	0	4.0
CLAIBORNE PARISH--Continued										
CL- 148	22N 5W 12 78-10-09	3	0	1.0	.1	63	.8	150	0	2.0
CL- 149	23N 4W 11 78-10-18	30	0	9.3	1.6	120	1.6	180	0	.0
DE SOTO PARISH--Continued										
DS- 281	12N 15W 31 79-08-02	15	0	3.5	1.5	16	2.3	42	0	2.8
DS- 443	11N 12W 37 79-06-22	18	0	6.7	.3	32	2.7	51	0	16
DS- 444	11N 12W 20 79-06-21	140	49	28	17	54	4.2	--	0	110
DS- 445	11N 12W 22 79-06-19	160	0	40	16	29	3.4	230	0	12

Geologic unit (aquifer):--Continued

112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
 112PRIR-Prairie Formation, Pleistocene age.

	LOCAL IDENT- I- FIER			DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	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)
ALLEN PARISH--Continued													
AL- 22	6S 4W 20	79-05-17	16	--	--	--	--	--	--	--	--	--	--
AL- 292	4S 4W 31	79-08-08	17	.1	--	41	138	117	.10	1400	70		
AL- 293	4S 5W 11	79-08-08	11	.1	--	36	122	97	.40	50	10		
AL- 294	6S 6W 15	79-08-09	22	.2	.2	43	147	125	.00	40	30		
AL- 295	4S 5W 4	79-08-08	3.0	.1	.0	17	32	32	.00	100	250		
AL- 298	5S 2W 17	79-08-09	24	.1	.2	45	183	170	.10	80	40		
AL- 301	2S 4W 17	79-08-07	4.0	.0	--	13	49	36	.30	10	0		
AL- 303	4S 3W 15	79-08-08	13	.2	.1	37	144	121	.10	4700	550		
AL- 305	3S 5W 5	78-12-14	3.4	--	.0	--	--	--	--	120	10		
AL- 340	5S 6W 30	79-05-12	16	--	--	--	--	--	--	--	--		
BEAUREGARD PARISH--Continued													
BE- 430	5S 7W 24	78-12-01 79-08-15	16 18	.0 .0	.1 --	42 43	104 121	104 109	.10 .40	50 130	20 57		
BE- 432	2S 7W 36	78-12-13	3.8	.1	.0	53	90	88	.19	20	20		
BE- 434	2S 8W 25	78-12-06	5.2	.0	.0	32	64	61	.17	30	30		
BE- 436	2S 11W 20	78-12-07	2.4	.0	.0	18	47	45	.72	0	10		
BE- 437	3S 11W 18	78-12-07	3.4	.1	.0	34	153	151	.28	0	90		
BE- 438	2S 8W 25	79-08-16	6.2	.1	--	52	108	101	.24	100	30		
BE- 439	3S 9W 36	78-12-13 79-08-15	9.0 9.5	.1 .1	.1 --	46 48	103 112	100 95	.41 .15	1400 10	70 28		
BE- 442	4S 10W 16	78-11-30	3.0	.0	.0	36	86	80	.48	110	70		
BE- 443	3S 10W 5	78-12-12	4.0	.1	.0	42	77	75	.10	80	40		
BE- 445	3S 6W 4	79-08-20	4.4	.0	--	38	74	60	.26	50	32		
BE- 446	5S 12W 4	78-12-12	13	.2	.1	58	152	151	.19	3900	430		
BE- 456	4S 12W 3	79-08-16	9.2	.0	--	45	129	119	.21	2300	190		
BOSSIER PARISH--Continued													
BO- 399	21N 12W 17	79-07-11	6.7	.1	--	33	123	114	.60	560	30		
CALDWELL PARISH--Continued													
CA- 97	13N 2E 10	78-10-17	38	.1	--	63	279	274	1.0	6400	250		
CA- 98	14N 2E 21	78-11-13	32	3.4	--	12	836	804	1.1	100	20		
CA- 99	14N 2E 21	78-11-13	6.0	.1	--	54	115	114	.20	2400	70		
CLAIBORNE PARISH--Continued													
CL- 148	22N 5W 12	78-10-09	11	.2	--	14	178	166	.31	20	0		
CL- 149	23N 4W 11	78-10-18	95	.3	--	14	340	332	.72	60	20		
DE SOTO PARISH--Continued													
DS- 281	12N 15W 31	79-08-02	8.9	.2	--	49	133	106	.32	6000	90		
DS- 443	11N 12W 37	79-06-22	21	.0	--	--	112	105	.10	--	12		
DS- 444	11N 12W 20	79-06-21	44	.1	--	30	361	341	.10	--	480		
DS- 445	11N 12W 22	79-06-19	16	.1	--	15	257	246	1.1	--	--		

Geologic unit (aquifer)--Continued

112UPTC-Upland terrace deposits, Pleistocene age.

121BLCK-Blounts Creek Member of Fleming Formation, Pliocene age.

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
DE SOTO PARISH										
DS- 446	11N 12W	15	315629093352601	124WLCX	220	79-06-21	1130	158	--	0
DS- 448	11N 11W	28	315459093302001	124WLCX	230	79-06-22	1100	474	--	5
DS- 450	11N 11W	19	315509093320901	124WLCX	262	79-06-19	1600	625	--	200
DS- 453	12N 13W	25	320009093391101	124WLCX	350	79-05-17	1120	861	--	10
DS- 454	10N 11W	10	315152093284301	124WLCX	365	79-05-03	0900	708	--	0
DS- 455	10N 11W	2	315252093280101	124WLCX	286	79-05-03	1000	780	--	0
DS- 469	10N 12W	38	315106093350301	124WLCX	210	79-05-22	1100	863	--	0
DS- 470	10N 11W	37	315250093265101	124WLCX	152	79-05-23	1000	737	--	0
DS- 471	10N 11W	16	315124093294501	124WLCX	227	79-05-24	1000	833	--	0
DS- 493	11N 16W	12	315709093573401	124WLCX	287	79-08-02	1000	4740	8.0	15
EVANGELINE PARISH										
EV- 18	6S 2W	12	303301092315801	112CHCT	275	79-06-14	--	368	--	--
EV- 678	5S 2W	31	303453092325201	112CHCT	240	79-05-03	--	359	6.8	--
EV- 696	5S 1W	26	303546092260001	112CHCT	260	79-06-14	--	668	--	--
				112CHCT	260	79-06-22	1615	665	--	--
EV- 697	5S 1W	36	303448092255801	112CHCT	244	79-05-03	--	640	7.4	--
				112CHCT	244	79-06-20	1100	602	--	--
EV- 749	4S 1W	8	304316092300701	112CHCT	142	79-08-10	1100	249	6.5	15
EV- 757	3S 1E	37	304543092191301	112CHCT	120	79-08-10	0930	289	6.6	5
EV- 763	4S 1E	54	304020092170801	121EVGL	491	79-05-09	1420	533	7.8	21.5
FRANKLIN PARISH										
FR- 49	14N 7E	26	321008091431701	112MRVA	80	78-11-30	1510	1120	--	--
				112MRVA	80	79-04-11	1000	--	--	--
				112MRVA	80	79-08-20	0915	--	--	--
FR- 50	14N 7E	26	321006091431501	112MRVA	80	78-11-30	1500	1560	--	--
				112MRVA	80	79-08-20	1000	--	--	--
FR- 347	14N 7E	26	321014091431701	112MRVA	82	78-11-30	1500	953	--	--
				112MRVA	82	79-08-20	--	--	--	--
FR- 368	14N 7E	26	321011091431701	112MRVA	79	79-04-11	1015	--	--	--
				112MRVA	79	79-08-20	--	--	--	--
JACKSON PARISH										
JA- 156	15N 3W	13	321730092373701	124SPRT	629	79-01-18	1430	468	--	20
LINCOLN PARISH										
L- 153	19N 4W	5	324018092482201	124SPRT	535	78-10-17	1500	411	--	0
MADISON PARISH										
MA- 53	17N 12E	29	322607091150901	112MRVA	100	79-08-22	0930	--	--	--
MA- 63	16N 12E	29	322308091122801	112MRVA	147	79-08-21	0900	--	--	--
MA- 64	17N 12E	23	322614091122001	112MRVA	117	79-08-21	1530	--	--	--
OUACHITA PARISH										
OU- 488	16N 1E	6	322437092243101	124SPRT	795	79-01-30	--	556	--	15

Geologic unit (aquifer):--Continued

121EVGL-Evangeline aquifer, Plio-miocene age.
 122CRNB-Carnahan Bayou Member of Fleming Formation, Miocene age.
 122CTHL-Catahoula Formation, Miocene age.
 122WMCK-Williamson Creek Member of Fleming Formation, Miocene age.
 124CCKF-Cockfield Formation, Eocene age.

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L 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)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
DE SOTO PARISH--Continued													
DS- 446	11N 12W 15		79-06-21	23	0	5.5	2.3	18	2.2	--	0	10	
DS- 448	11N 11W 28		79-06-22	25	0	7.6	1.5	95	2.5	220	0	36	
DS- 450	11N 11W 19		79-06-19	4	0	.0	1.0	150	1.1	310	16	3.2	
DS- 453	12N 13W 25		79-05-17	0	0	.0	.0	210	1.3	470	17	1.4	
DS- 454	10N 11W 10		79-05-03	96	0	26	7.6	120	5.1	320	0	47	
DS- 455	10N 11W 2		79-05-03	4	0	1.0	.2	180	3.7	390	0	11	
DS- 469	10N 12W 38		79-05-22	370	110	85	37	40	2.7	320	0	75	
DS- 470	10N 11W 37		79-05-23	68	0	15	7.4	140	2.5	380	0	34	
DS- 471	10N 11W 16		79-05-24	340	94	80	34	42	3.3	300	0	75	
DS- 493	11N 16W 12		79-08-02	20	0	5.0	1.8	1100	3.9	950	0	40	
EVANGELINE PARISH--Continued													
EV- 18	6S 2W 12		79-06-14	--	--	--	--	--	--	--	--	--	
EV- 678	5S 2W 31		79-05-03	44	--	2.2	9.4	--	--	--	--	--	
EV- 696	5S 1W 26		79-06-14 79-06-22	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EV- 697	5S 1W 36		79-05-03 79-06-20	210 --	-- --	55 --	17 --	-- --	-- --	-- --	-- --	-- --	
EV- 749	4S 1W 8		79-08-10	64	0	14	7.0	26	1.4	100	0	2.4	
EV- 757	3S 1E 37		79-08-10	120	5	32	9.3	12	1.1	140	0	4.4	
EV- 763	4S 1E 54		79-05-09	83	0	22	6.8	87	2.9	310	0	.0	
FRANKLIN PARISH--Continued													
FR- 49	14N 7E 26		78-11-30 79-04-11 79-08-20	310 290 310	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	
FR- 50	14N 7E 26		78-11-30 79-08-20	370 310	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
FR- 347	14N 7E 26		78-11-30 79-08-20	210 220	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
FR- 368	14N 7E 26		79-04-11 79-08-20	250 270	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
JACKSON PARISH--Continued													
JA- 156	15N 3W 13		79-01-18	0	0	.0	.0	110	.8	220	4	23	
LINCOLN PARISH--Continued													
L- 153	19N 4W 5		78-10-17	75	0	23	4.3	56	4.7	170	0	55	
MADISON PARISH--Continued													
MA- 53	17N 12E 29		79-08-22	1100	--	--	--	--	--	--	--	--	
MA- 63	16N 12E 29		79-08-21	340	--	--	--	--	--	--	--	--	
MA- 64	17N 12E 23		79-08-21	670	--	--	--	--	--	--	--	--	
OUACHITA PARISH--Continued													
OU- 488	16N 1E 6		79-01-30	0	0	.0	.0	120	.6	220	9	19	

Geologic unit (aquifer):--Continued

124CRVR-Cane River Formation, Eocene age.
 124SPRT-Sparta Sand, Eocene age.
 124WLCX-Wilcox Group, Eocene age.

LOCAL IDENT- I- FIER	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	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)
DE SOTO PARISH--Continued										
DS- 446	11N 12W 15	79-06-21	5.8	.1	--	--	94	85	--	140
DS- 448	11N 11W 28	79-06-22	16	.0	--	15	283	282	.40	20
DS- 450	11N 11W 19	79-06-19	24	.4	--	3.1	384	352	.90	5
DS- 453	12N 13W 25	79-05-17	24	.6	--	12	534	498	.26	0
DS- 454	10N 11W 10	79-05-03	33	.3	--	28	427	425	.06	36
DS- 455	10N 11W 2	79-05-03	43	.3	--	14	460	445	.00	10
DS- 469	10N 12W 38	79-05-22	70	.2	--	39	533	511	.06	4500
DS- 470	10N 11W 37	79-05-23	25	.5	--	20	456	432	1.4	40
DS- 471	10N 11W 16	79-05-24	71	.2	--	34	542	528	.03	40000
DS- 493	11N 16W 12	79-08-02	1100	2.8	--	11	2810	2730	.30	120
EVANGELINE PARISH--Continued										
EV- 18	6S 2W 12	79-06-14	33	--	--	--	--	--	--	--
EV- 678	5S 2W 31	79-05-03	39	--	--	--	--	--	4300	460
EV- 696	5S 1W 26	79-06-14 79-06-22	81 78	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EV- 697	5S 1W 36	79-05-03 79-06-20	67 64	-- --	-- --	-- --	-- --	-- --	780	180
EV- 749	4S 1W 8	79-08-10	23	.2	.2	30	182	156	.10	1900
EV- 757	3S 1E 37	79-08-10	16	.0	.1	33	192	177	.10	70
EV- 763	4S 1E 54	79-05-09	16	.6	--	29	325	317	.20	190
FRANKLIN PARISH--Continued										
FR- 49	14N 7E 26	78-11-30 79-04-11 79-08-20	150 140 160	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- --
FR- 50	14N 7E 26	78-11-30 79-08-20	340 340	-- --	-- --	-- --	-- --	-- --	-- --	-- --
FR- 347	14N 7E 26	78-11-30 79-08-20	170 65	-- --	-- --	-- --	-- --	-- --	-- --	-- --
FR- 368	14N 7E 26	79-04-11 79-08-20	180 200	-- --	-- --	-- --	-- --	-- --	-- --	-- --
JACKSON PARISH--Continued										
JA- 156	15N 3W 13	79-01-18	12	.2	--	12	286	270	.27	20
LINCOLN PARISH--Continued										
L- 153	19N 4W 5	78-10-17	6.0	.1	--	31	262	264	.19	20
MADISON PARISH--Continued										
MA- 53	17N 12E 29	79-08-22	1400	--	--	--	--	--	--	--
MA- 63	16N 12E 29	79-08-21	25	--	--	--	--	--	--	--
MA- 64	17N 12E 23	79-08-21	2900	--	--	--	--	--	--	--
OUACHITA PARISH--Continued										
OU- 488	16N 1E 6	79-01-30	42	.2	--	15	332	314	.19	20

LOCAL IDENT- I- FIER				STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
RAPIDES PARISH													
R-1067	1N	4W	32	310104092481801	112CHCT	112	79-08-07	1030		184	6.2	20.5	10
R-1182A	5N	6W	36	312150092560802	122CTHL	716	79-01-23	1200		309	--	25.5	10
R-1182B	5N	6W	36	312150092560801	122CTHL	920	79-01-09	1345		521	8.7	24.0	15
R-1183A	4N	5W	9	312031092534303	122CRNB	194	79-03-23	--		290	6.4	20.0	0
R-1183B	4N	5W	9	312031092534302	122CRNB	537	79-03-19	1140		291	7.5	24.0	0
R-1183C	4N	5W	9	312031092534301	122CTHL	990	79-03-12	1200		391	7.6	24.5	10
R-1184A	2N	4W	19	310824092490002	112UPTC	130	79-05-03	--		72	6.8	21.0	0
R-1184B	2N	4W	19	310824092490001	122WMCK	565	79-04-27	1233		339	7.3	24.0	5
R-1185A	3N	4W	24	311307092440103	112UPTC	201	79-06-25	1200		230	6.8	21.0	0
R-1185B	3N	4W	24	311307092440102	122CRNB	865	79-06-18	1330		634	8.3	25.0	5
R-1185C	3N	4W	24	311307092440101	122CRNB	1271	79-06-06	1000		614	8.3	27.0	0
R-1186	5N	3E	37	312151092094601	112PRIR	129	79-07-18	1200		714	7.7	21.0	0
R-1187	5N	3E	28	312310092091401	122CRNR	910	79-08-03	--		468	7.4	26.0	5
RICHLAND PARISH													
RI- 110	17N	9E	24	322654091294101	112MRVA	67	79-04-11	--		--	--	--	--
					112MRVA	67	79-08-21	1400		--	--	--	--
RI- 111	17N	9E	23	322634091303901	112MRVA	67	78-12-01	0835		1410	--	--	--
					112MRVA	67	79-04-09	--		--	--	--	--
					112MRVA	67	79-08-20	1410		--	--	--	--
RI- 112	17N	9E	24	322623091294901	112MRVA	67	78-12-01	0935		2860	--	--	--
					112MRVA	67	79-04-09	1615		--	--	--	--
					112MRVA	67	79-08-20	1315		--	--	--	--
RI- 114	17N	9E	24	322636091295702	112MRVA	66	78-12-01	1010		4070	--	--	--
					112MRVA	66	79-04-09	1530		--	--	--	--
					112MRVA	66	79-08-20	1230		--	--	--	--
RI- 124	17N	9E	25	322605091301101	112MRVA	84	78-12-01	1100		1230	--	--	--
					112MRVA	84	79-04-09	1635		--	--	--	--
					112MRVA	84	79-08-20	1640		--	--	--	--
SABINE PARISH													
SA- 462	6N	13W	36	312748093393801	124WLCX	178	79-06-22	1300		976	--	--	--
SA- 465	6N	12W	39	312725093325301	124WLCX	80	79-06-22	1430		105	--	--	5
ST. LANDRY PARISH													
SL- 205	6S	1W	24	303109092252402	112CHCT	270	79-06-19	1320		545	--	--	--
SL- 207	10S	6E	83	303109092041902	112CHCT	478	79-08-22	--		287	--	--	5
SL- 330	5S	4E	58	303524092055102	112CHCT	271	79-05-03	--		492	7.3	--	--
UNION PARISH													
UN- 134	19N	1E	22	323655092211701	124SPRT	585	79-02-21	2200		470	--	--	20
VERNON PARISH													
V- 452	1S	5W	27	305620092514501	112UPTC	128	78-12-14	--		59	--	20.5	50
V- 463	2S	9W	8	305409093181001	112UPTC	168	78-10-25	1200		112	6.7	20.5	0
V- 464	1S	9W	29	305720093190801	121BLCK	145	78-11-08	1500		117	--	--	5
V- 465	2S	9W	5	305451093190101	112UPTC	168	78-11-14	1300		70	6.0	21.0	0

LOCAL IDENT- I- FIER				DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L 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)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
RAPIDES PARISH--Continued													
R-1067	1N	4W	32	79-08-07	40	0	8.4	4.6	23	2.1	64	0	6.4
R-1182A	5N	6W	36	79-01-23	1	0	.3	.1	69	2.3	140	0	12
R-1182B	5N	6W	36	79-01-09	0	0	.0	.0	120	2.0	200	0	.2
R-1183A	4N	5W	9	79-03-23	75	0	28	1.2	27	4.9	120	0	19
R-1183B	4N	5W	9	79-03-19	5	0	1.9	.1	65	2.6	130	0	18
R-1183C	4N	5W	9	79-03-12	3	0	1.1	.1	82	2.4	150	0	1.2
R-1184A	2N	4W	19	79-05-03	15	0	5.1	.6	7.8	2.1	29	0	.0
R-1184B	2N	4W	19	79-04-27	11	0	3.8	.4	72	2.4	190	0	2.4
R-1185A	3N	4W	24	79-06-25	53	0	16	3.2	24	2.2	80	0	6.8
R-1185B	3N	4W	24	79-06-18	9	0	2.0	1.0	150	2.1	370	0	5.0
R-1185C	3N	4W	24	79-06-06	1	0	.0	.2	140	2.2	350	0	12
R-1186	5N	3E	37	79-07-18	120	0	30	10	95	2.5	280	0	.4
R-1187	5N	3E	28	79-08-03	3	0	1.0	.1	95	1.4	160	0	.6
RICHLAND PARISH--Continued													
RI- 110	17N	9E	24	79-04-11	440	--	--	--	--	--	--	--	--
				79-08-21	450	--	--	--	--	--	--	--	--
RI- 111	17N	9E	23	78-12-01	400	--	--	--	--	--	--	--	--
				79-04-09	390	--	--	--	--	--	--	--	--
				79-08-20	400	--	--	--	--	--	--	--	--
RI- 112	17N	9E	24	78-12-01	600	--	--	--	--	--	--	--	--
				79-04-09	550	--	--	--	--	--	--	--	--
				79-08-20	530	--	--	--	--	--	--	--	--
RI- 114	17N	9E	24	78-12-01	520	--	--	--	--	--	--	--	--
				79-04-09	460	--	--	--	--	--	--	--	--
				79-08-20	390	--	--	--	--	--	--	--	--
RI- 124	17N	9E	25	78-12-01	470	--	--	--	--	--	--	--	--
				79-04-09	490	--	--	--	--	--	--	--	--
				79-08-20	520	--	--	--	--	--	--	--	--
SABINE PARISH--Continued													
SA- 462	6N	13W	36	79-06-22	--	0	--	--	210	6.1	420	--	--
SA- 465	6N	12W	39	79-06-22	23	0	7.1	--	--	--	34	0	6.4
ST. LANDRY PARISH--Continued													
SL- 205	6S	1W	24	79-06-19	--	--	--	--	--	--	--	--	--
SL- 207	10S	6E	83	79-08-22	25	0	4.8	3.2	52	3.7	130	2	6.0
SL- 330	5S	4E	58	79-05-03	240	--	71	16	--	--	--	--	--
UNION PARISH--Continued													
UN- 134	19N	1E	22	79-02-21	0	0	.0	.0	110	.9	250	4	.0
VERNON PARISH--Continued													
V- 452	1S	5W	27	78-12-14	9	0	2.1	.9	7.7	1.4	28	0	.0
V- 463	2S	9W	8	78-10-25	38	0	9.4	3.5	6.3	2.1	59	0	.0
V- 464	1S	9W	29	78-11-08	37	0	12	1.7	6.6	3.0	61	0	.0
V- 465	2S	9W	5	78-11-14	11	0	3.3	.7	8.0	2.5	32	0	.0

LOCAL IDENT- IFIER				DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
RAPIDES PARISH--Continued													
R-1067	1N	4W	32	79-08-07	21	.1	.1	32	123	130	.10	50	120
R-1182A	5N	6W	36	79-01-23	16	.4	--	45	220	214	.18	40	20
R-1182B	5N	6W	36	79-01-09	61	.5	--	42	346	324	.66	90	20
R-1183A	4N	5W	9	79-03-23	15	.2	--	53	241	208	.26	80	270
R-1183B	4N	5W	9	79-03-19	13	.5	--	52	211	217	.07	140	40
R-1183C	4N	5W	9	79-03-12	42	.8	--	44	262	248	.10	110	10
R-1184A	2N	4W	19	79-05-03	3.2	.1	--	38	76	72	.12	1200	90
R-1184B	2N	4W	19	79-04-27	9.2	.7	--	44	260	229	.00	180	60
R-1185A	3N	4W	24	79-06-25	25	.1	--	45	179	162	.40	390	140
R-1185B	3N	4W	24	79-06-18	15	.9	--	40	402	399	.30	130	150
R-1185C	3N	4W	24	79-06-06	9.0	1.0	--	53	413	390	.10	210	1Q
R-1186	5N	3E	37	79-07-18	78	.3	--	34	434	389	.40	400	120
R-1187	5N	3E	28	79-08-03	63	.5	--	33	328	274	.50	460	30
RICHLAND PARISH--Continued													
RI- 110	17N	9E	24	79-04-11	150	--	--	--	--	--	--	--	--
				79-08-21	--	--	--	--	--	--	--	--	--
RI- 111	17N	9E	23	78-12-01	190	--	--	--	--	--	--	--	--
				79-04-09	180	--	--	--	--	--	--	--	--
				79-08-20	160	--	--	--	--	--	--	--	--
RI- 112	17N	9E	24	78-12-01	680	--	--	--	--	--	--	--	--
				79-04-09	620	--	--	--	--	--	--	--	--
				79-08-20	610	--	--	--	--	--	--	--	--
RI- 114	17N	9E	24	78-12-01	1100	--	--	--	--	--	--	--	--
				79-04-09	960	--	--	--	--	--	--	--	--
				79-08-20	730	--	--	--	--	--	--	--	--
RI- 124	17N	9E	25	78-12-01	150	--	--	--	--	--	--	--	--
				79-04-09	150	--	--	--	--	--	--	--	--
				79-08-20	180	--	--	--	--	--	--	--	--
SABINE PARISH--Continued													
SA- 462	6N	13W	36	79-06-22	71	.0	--	13	682	564	.30	--	20
SA- 465	6N	12W	39	79-06-22	--	.1	--	21	--	--	.40	--	4
ST. LANDRY PARISH--Continued													
SL- 205	6S	1W	24	79-06-19	48	--	--	--	--	--	--	--	--
SL- 207	10S	6E	83	79-08-22	16	.2	--	1.2	171	153	2.3	170	38
SL- 330	5S	4E	58	79-05-03	11	--	--	--	--	--	--	1400	180
UNION PARISH--Continued													
UN- 134	19N	1E	22	79-02-21	21	.3	--	14	285	274	.33	70	0
VERNON PARISH--Continued													
V- 452	1S	5W	27	78-12-14	2.2	.0	.0	43	75	72	.43	20	30
V- 463	2S	9W	8	78-10-25	2.5	.1	--	45	104	98	.19	20	0
V- 464	1S	9W	29	78-11-08	2.1	.1	--	43	112	99	.12	20	20
V- 465	2S	9W	5	78-11-14	3.5	.0	--	44	81	78	.22	200	20

LOCAL IDENT- IFIER				STATION NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
VERNON PARISH												
V- 466	1S	9W	30	305718093191101	112UPTC	70	78-11-09	--	34	--	--	0
V- 468	2S	11W	27	305143093283901	112UPTC	52	79-04-19	1350	79	5.7	--	--
V- 471	2S	11W	27	305158093284301	112UPTC	43	79-04-19	1415	32	5.6	--	--
V- 472	2S	11W	20	305218093303501	112UPTC	31	79-04-19	1320	54	4.9	--	--
V- 473	2S	11W	20	305225093302701	112UPTC	80	79-04-19	1145	37	4.8	--	--
V- 474	2S	11W	20	305216093303001	112UPTC	50	79-04-19	1015	86	4.3	--	--
V- 475	2S	11W	27	305155093284801	112UPTC	45	79-04-19	1220	87	4.7	--	--
V- 477	2S	11W	21	305234093301901	112UPTC	42	79-06-25	1000	28	5.2	--	5
WEBSTER PARISH												
WB- 398	20N	9W	2	324528093153501	124SPRT	560	78-10-05	1700	218	--	--	10
WB- 399	22N	10W	2	325518093221901	124SPRT	298	78-10-19	1300	423	--	--	15
WEST CARROLL PARISH												
WC- 98	22N	10E	25	325150091234101	124CCKF	310	79-04-17	--	922	6.8	21.0	0
WINN PARISH												
W- 172	13N	1W	20	320541092291601	124SPRT	655	78-12-12	1400	1140	--	--	30
W- 173	11N	3W	30	315436092424301	124CRVR	123	78-11-13	1030	129	6.4	19.5	0
W- 175A	9N	5W	24	314444092500702	124CCKF	220	79-09-28	1300	204	7.0	21.0	20
W- 175B	9N	5W	24	314444092500701	124CCKF	492	79-09-21	1330	421	8.5	--	100

LOCAL IDENT- IFIER		DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L 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)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CU3)	SULFATE DIS- SOLVED (MG/L AS SO4)
VERNON PARISH--Continued											
V- 466	1S 9W 30	78-11-09	4	0	1.1	.3	3.1	.7	9	0	.4
V- 468	2S 11W 27	79-04-19	24	0	5.7	2.3	3.2	1.8	40	0	2.9
V- 471	2S 11W 27	79-04-19	4	3	1.1	.4	3.4	.8	2	0	3.3
V- 472	2S 11W 20	79-04-19	13	9	3.8	.8	3.6	1.5	5	0	2.2
V- 473	2S 11W 20	79-04-19	7	2	2.2	.4	3.0	1.7	6	0	2.4
V- 474	2S 11W 20	79-04-19	19	19	2.6	3.0	5.7	1.7	0	0	12
V- 475	2S 11W 27	79-04-19	23	22	4.5	2.9	5.5	2.4	2	0	5.5
V- 477	2S 11W 21	79-06-25	6	0	2.0	.2	1.7	1.4	7	0	.0
WEBSTER PARISH--Continued											
WB- 398	20N 9W 2	78-10-05	19	0	6.3	.8	39	2.4	100	0	13
WB- 399	22N 10W 2	78-10-19	2	0	.7	.1	97	1.5	220	0	.0
WEST CARROLL PARISH--Continued											
WC- 98	22N 10E 25	79-04-17	270	0	56	31	100	2.9	460	0	.0
WINN PARISH--Continued											
W- 172	13N 1W 20	78-12-12	1	0	.3	.1	250	1.4	340	16	5.8
W- 173	11N 3W 30	78-11-13	34	0	11	1.6	8.6	1.8	59	0	2.8
W- 175A	9N 5W 24	79-09-28	36	0	12	1.5	31	4.0	120	0	1.6
W- 175B	9N 5W 24	79-09-21	0	0	.0	.0	100	1.0	240	12	.0

LOCAL IDENT- IFIER				DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	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)
VERNON PARISH--Continued													
V- 466	1S	9W	30	78-11-09	2.0	.0	--	12	32	25	1.6	20	0
V- 468	2S	11W	27	79-04-19	4.8	.1	--	6.6	52	48	--	--	210
V- 471	2S	11W	27	79-04-19	4.1	.0	--	8.1	25	23	--	--	20
V- 472	2S	11W	20	79-04-19	4.9	.0	--	20	51	39	--	--	30
V- 473	2S	11W	20	79-04-19	4.0	.0	--	17	40	34	--	--	10
V- 474	2S	11W	20	79-04-19	7.0	.1	--	11	58	43	--	--	40
V- 475	2S	11W	27	79-04-19	7.6	.0	--	10	61	40	--	--	30
V- 477	2S	11W	21	79-06-25	4.4	.0	--	11	32	25	.40	240	25
WEBSTER PARISH--Continued													
WB- 398	20N	9W	2	78-10-05	5.0	.1	--	34	156	151	.28	910	30
WB- 399	22N	10W	2	78-10-19	25	.3	--	11	254	244	.29	10	0
WEST CARROLL PARISH--Continued													
WC- 98	22N	10E	25	79-04-17	79	.2	--	22	562	519	.15	790	270
WINN PARISH--Continued													
W- 172	13N	1W	20	78-12-12	170	.4	--	14	630	626	.69	50	10
W- 173	11N	3W	30	78-11-13	4.0	.1	--	31	120	90	.15	930	180
W- 175A	9N	5W	24	79-09-28	3.0	.0	--	40	159	154	.45	1400	110
W- 175B	9N	5W	24	79-09-21	3.2	.5	--	11	262	246	.50	70	0

QUALITY OF GROUND WATER

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MINOR ELEMENTS, OCTOBER 1978 TO SEPTEMBER 1979

LOCAL IDENT- I- FIER	STATION	NUMBER	DATE OF SAMPLE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL)	NITRO- GEN, AMMONIA DIS- SOLVED	NITRO- GEN, AMMONIA DIS- SOLVED	NITRO- GEN, ORGANIC DIS- SOLVED	NITRO- GEN,AM- MONIA + ORGANIC DIS. DIS.	ARSENIC DIS- SOLVED	BERYL- LIUM, DIS- SOLVED	
				(MG/L)	(MG/L AS N)	(MG/L AS NH4)	(MG/L AS N)	(MG/L AS N)	(UG/L AS AS)	(UG/L AS BE)	
VERNON PARISH											
V- 468	2S 11W	27	305143093283901	79-04-19	18	.16	.21	.05	.21	3	0
V- 471	2S 11W	27	305158093284301	79-04-19	7	.04	.05	.18	.22	0	0
V- 472	2S 11W	20	305218093303501	79-04-19	2	.01	.01	.00	.00	0	0
V- 473	2S 11W	20	305225093302701	79-04-19	8	.04	.05	.15	.19	0	0
V- 474	2S 11W	20	305216093303001	79-04-19	7	.06	.08	.22	.28	0	0
V- 475	2S 11W	27	305155093284801	79-04-19	7	.01	.01	.08	.09	0	

LOCAL IDENT- I- FIER			DATE OF SAMPLE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
VERNON PARISH--Continued											
V- 468	2S 11W	27	79-04-19	0	0	5	0	.1	3	0	4.6
V- 471	2S 11W	27	79-04-19	0	0	4	0	.0	0	.0	.1
V- 472	2S 11W	20	79-04-19	1	0	4	0	.0	1	0	.0
V- 473	2S 11W	20	79-04-19	0	0	33	0	.0	0	0	.6
V- 474	2S 11W	20	79-04-19	0	0	18	0	.0	0	0	.0
V- 475	2S 11W	27	79-04-19	1	0	6	0	.0	0	0	.0

LOCAL IDENT- I- FIER			DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
VERNON PARISH--Continued							
V- 468	2S 11W	27	79-04-19	10	2.2	.00	2
V- 471	2S 11W	27	79-04-19	230	2.4	.00	4
V- 472	2S 11W	20	79-04-19	130	2.7	.00	3
V- 473	2S 11W	20	79-04-19	30	2.4	.00	4
V- 474	2S 11W	20	79-04-19	120	2.4	.00	3
V- 475	2S 11W	27	79-04-19	90	2.5	.00	1.0

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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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