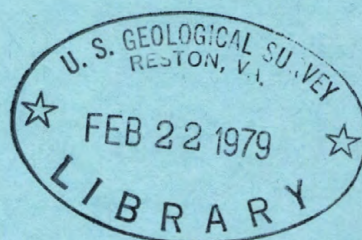


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Water Resources Data for Louisiana

Volume 2. Southern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-78-2
WATER YEAR 1978

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

CALENDAR FOR WATER YEAR 1978

1 9 7 7

OCTOBER

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Water Resources Data for Louisiana

Volume 2. Southern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-78-2

WATER YEAR 1978

Prepared in cooperation with the Louisiana
Department of Transportation and Development
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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

1978

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 J. S. Cragwall, Jr., 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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 [Letter after station name designates type of data: (d) discharge,
 (g) gage height, (c) chemical, (b) biological,
 (t) water temperature, (s) sediment]

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INTRODUCTION

Water resources data for the 1978 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 76 gaging stations; stage record for 66 of these gaging stations; stage only for 32 gaging stations; contents for 1 reservoir; stage only for 12 lakes; water quality for 147 stations; 22 of these at gaging stations; 80 miscellaneous sites, 10 lakes, and 169 wells; and water levels for 686 observation wells. Also included are 199 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-78-2." Water-Data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151.

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 W. H. Robinson, Federal representative and chairman; R. J. Palmer and D. V. Cresap for Louisiana; George Smith and J. M. Syler for Texas.

Capitol Area Ground Water Conservation Commission, Dr. Austin F. Anthis, 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

The below-median runoff in northern Louisiana experienced during the summer of 1977 continued each month through April 1978. Heavy rainstorms during May produced flows above median for that month but runoff for the remainder of the 1978 water year was again below median. Runoff at the key station in this region was only 52 percent of median.

Runoff over the remainder of the State was well sustained with no unusual events recorded. Runoff in the southwestern section was deficient during the spring and summer months with the key station showing 123 percent normal. No unusual flood events were experienced.

Red River continued its deficient flow conditions with every month in the last two years recording below normal runoff. The average for the 1978 water year was only 43 percent normal.

The lower Mississippi River system (the Mississippi and Atchafalaya Rivers) recorded runoff 15 percent above normal with no unusual flow condition during the year.

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

In southwestern Louisiana, water levels in wells in the Chicot aquifer in the rice irrigation area were generally lower than at the close of the 1977 water year. Water-level changes in key observation wells ranged from zero at Lafayette to a record low (4.3 feet lower than September 1977) in the Iowa area. In the Lake Charles area levels in wells in the Chicot "200-ft" and "700-ft" sands were generally 1-2 feet lower than in September 1977. In contrast, water levels for the Chicot "500-ft" sand were higher by as much as 5 feet. At Opelousas and Eunice, water levels in wells in the Evangeline aquifer reached record lows every month, May-September 1978, and ended the water year 5 feet lower at Opelousas and over a foot lower at Eunice than in September 1977.

In southeastern Louisiana, water levels rose slightly in wells in the Gonzales-New Orleans, Norco, and Gramercy aquifers of the New Orleans area and the "400-ft", "600-ft", "1500-ft", and "2000-ft" sands of the Baton Rouge area. In wells in the "2400-ft" and "2800-ft" sands of the Baton Rouge area, water levels were generally lower than last year and record lows were reached; water levels for the "1200-ft" sand remained about the same.

The chemical quality of streamflow is monitored at many sites in the State. Samples are obtained at periodic intervals according to the intensity of the study. Results indicate that no unusual changes have taken place in the quality of surface streams during the year, and no new problem areas were found.

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 + 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 + 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 + 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 ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram ($\mu\text{g/kg}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

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-methanonene.

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

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- $\left\{[(p\text{-chlorophenyl})\text{thio}]\text{methyl}\right\}$ O,O-dimethyl ester.

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

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

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

Toxaphene chlorinated camphene containing 67 percent chlorine.

Trithion phosphorodithioic acid S- $\left\{[(p\text{-chlorophenyl})\text{thio}]\text{methyl}\right\}$ 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.

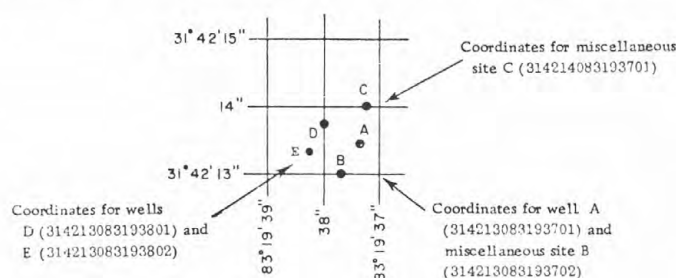


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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 radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge 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-one 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. \$1.60.
- 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. \$1.90
- 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. \$1.75.
- 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. \$1.00.
- 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. \$0.35.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 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. \$1.00
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.35.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968, 13 pages. \$0.20.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. \$1.40.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. \$1.25.
- 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. \$1.20.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. \$0.35. Not currently available.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages. \$0.70.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages. \$2.50.
- 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. \$0.70.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. \$2.10.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages. \$1.60.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. \$1.20.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages. \$0.65.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. \$0.75.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. \$0.65.
- 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. \$1.10.
- 5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases*, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages. \$2.40.
- 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. \$0.80.
- 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. \$0.90.
- 5-A4. **Methods for collection and analysis of aquatic biological and microbiological samples*, by K. V. Slack, R. C. Averett, P. E. Greenson, and R. G. Lipscomb: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages. \$20.00.

See footnote on next page.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. \$2.10.
- 7-C1. *A digital model for aquifer evaluation*, by G. F. Pinder: USGS--TWRI Book 7, Chapter C1. 1970. 18 pages. \$0.65.
- 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. \$0.70.
- 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. \$1.10.

*This publication is available ONLY from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. It is in looseleaf format and is a subscription item. Additional supplements will be issued to subscribers at no extra cost. Checks should be made payable to Superintendent of Documents. Requester should emphasize to Superintendent of Documents that this is a subscription item.

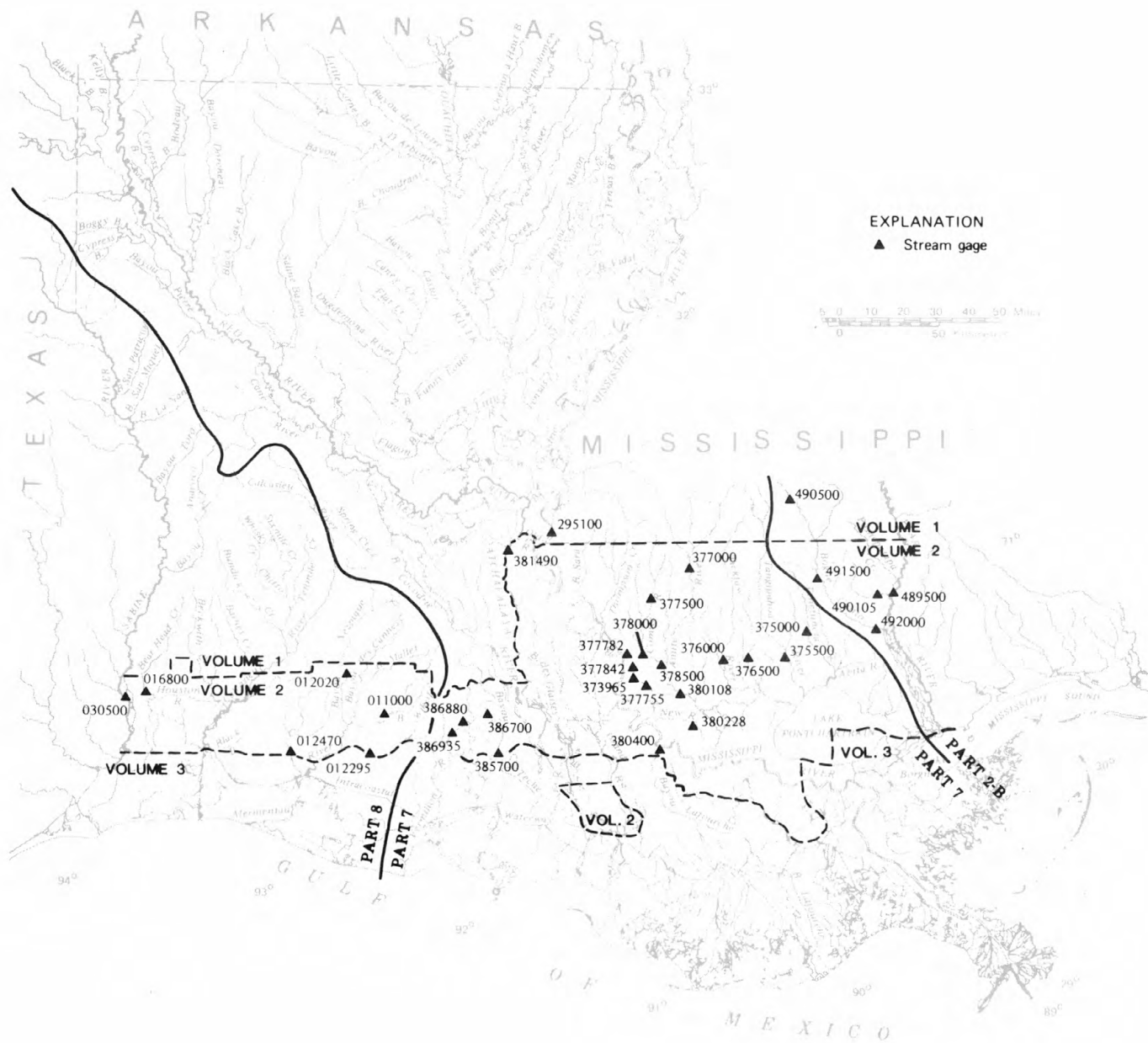


Figure 2. — Location of continuous gaging stations.

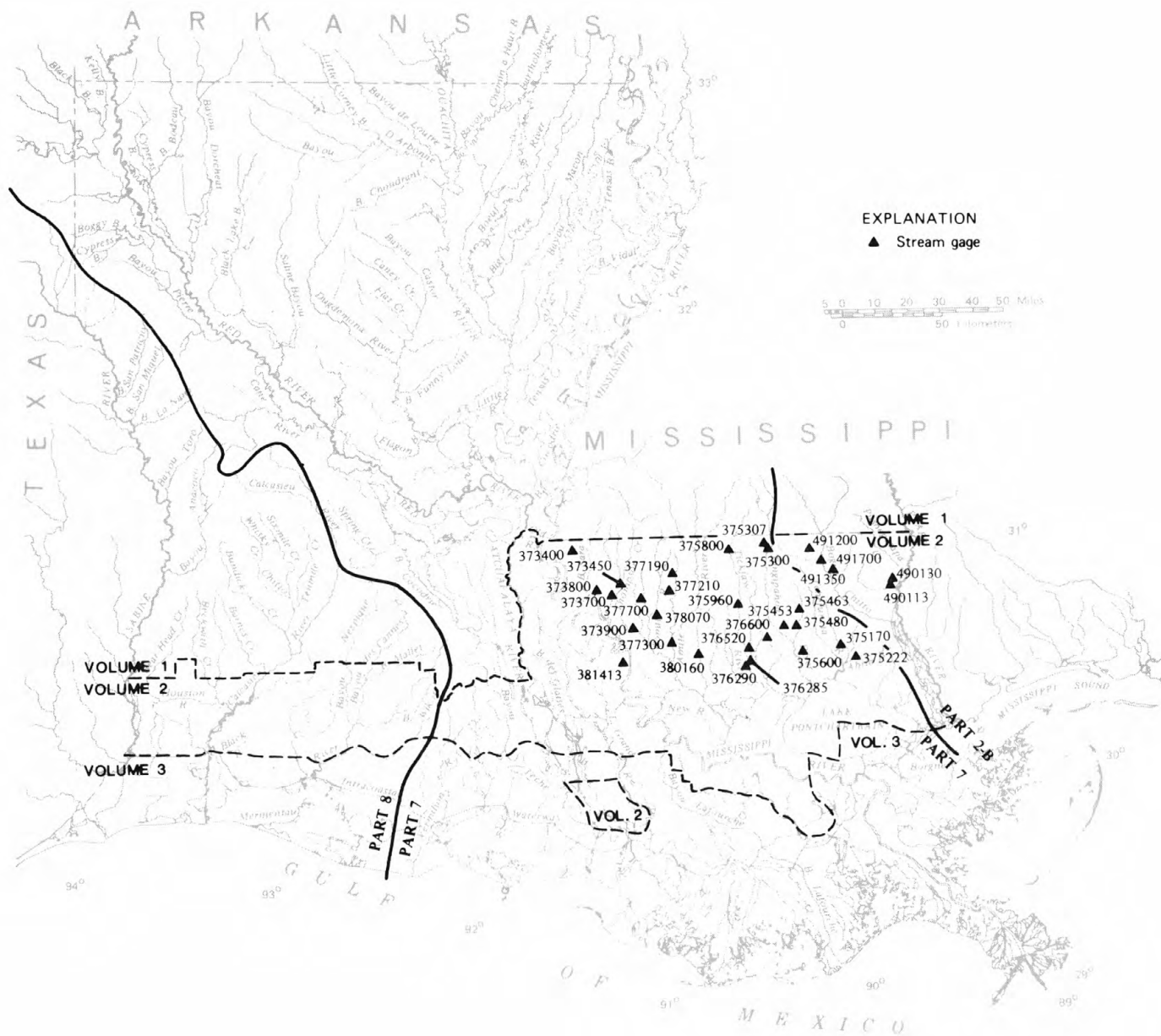
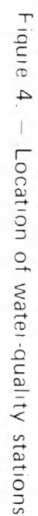


Figure 3. — Location of crest stage stations.



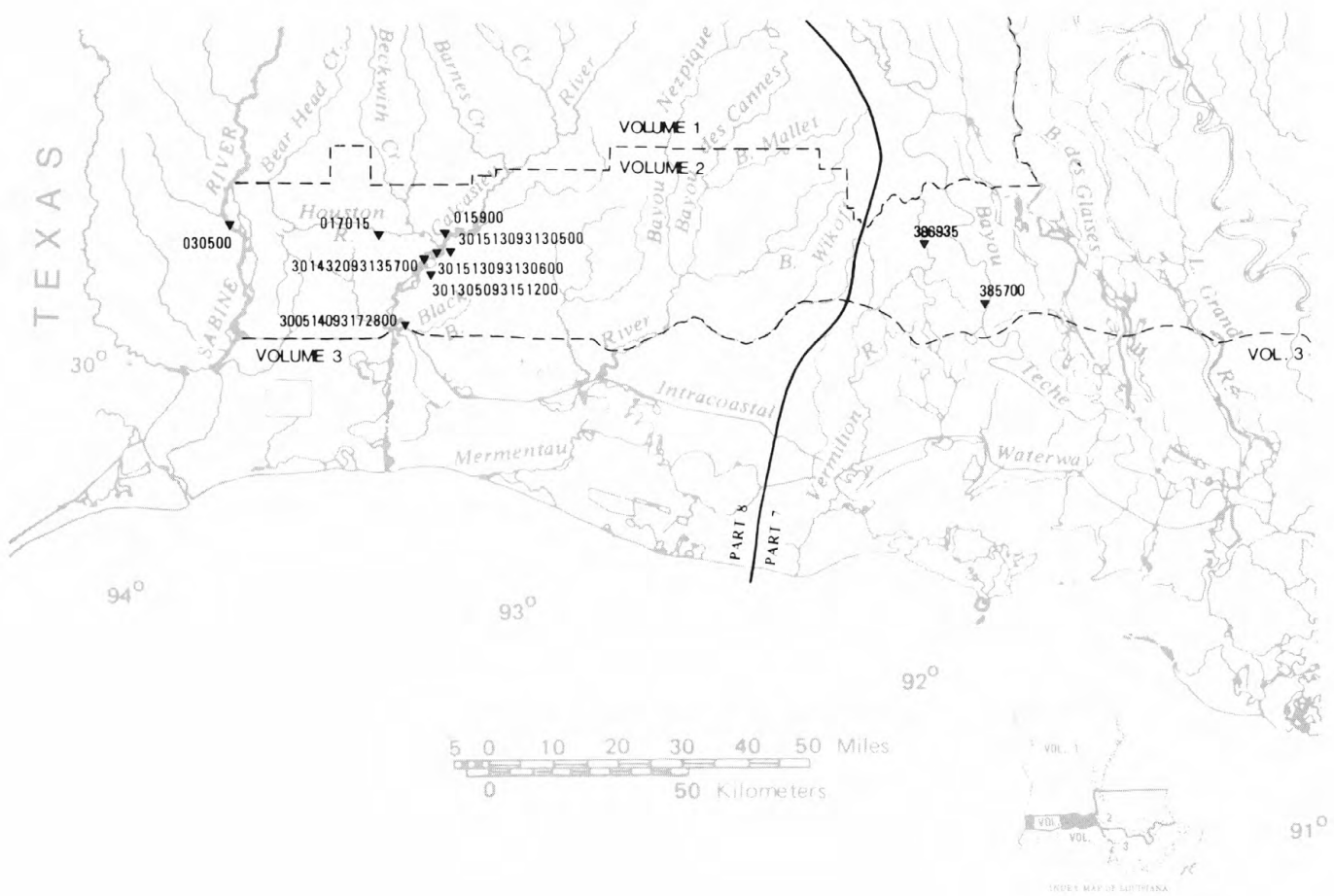


Figure 5. — Location of water quality stations.

HYDROLOGIC DATA STATION RECORDS

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--40 years, 9,363 ft³/s (265.2 m³/s), 19.18 in/yr (487 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99,000 ft³/s (2,800 m³/s) Apr. 17, 1974, gage height, 22.13 ft (6.745 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,300 ft³/s (1,060 m³/s) Feb. 3, gage height, 19.52 ft (5.950 m); minimum, 1,830 ft³/s (51.8 m³/s) Sept. 9, 10, gage height, 7.00 ft (2.134 m).

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	3550	4550	21200	11600	36700	8370	6650	4530	7080	2940	3870	2820
2	3260	4500	26200	11400	36900	7790	5880	4000	6440	2930	3260	3490
3	3260	4490	29300	10100	37100	7430	5150	5240	6030	3100	2740	3080
4	3450	4340	31800	8930	36700	7870	4810	11000	10000	3150	2470	2520
5	4140	6200	33900	8200	36900	7650	4900	13900	12900	2940	2300	2170
6	4730	9230	35000	7760	36900	7580	5120	16100	10400	2830	2260	2010
7	4550	10100	35400	7500	36900	7960	4860	17500	8080	2810	2230	1930
8	4250	11100	35000	7660	36500	9500	4400	18300	8530	3060	2240	1870
9	3840	11500	34300	8640	35200	9650	4140	21600	11200	3130	2270	1840
10	3750	12400	32900	8820	31800	8990	4000	27700	9840	2890	2330	1850
11	6190	12100	31700	8990	26200	9100	4050	31700	7330	2860	2340	1920
12	9190	11200	30500	9390	20100	9250	4720	34100	6050	2750	2850	2010
13	8840	10200	29800	9830	15800	9250	7300	35600	6320	2580	3130	2020
14	7660	9500	29000	10000	12200	9420	11800	36000	5760	2640	4500	2080
15	6240	8860	27400	10000	12000	10200	13500	35400	5010	2980	5910	2120
16	4800	8490	24400	9850	13800	12100	12400	34600	4730	3230	4740	2210
17	4400	8200	21700	9930	13700	15300	10300	34100	5220	3130	3660	2630
18	4210	7680	19300	11100	12400	17100	9500	34300	5420	2900	2960	2460
19	4090	7000	16500	13000	11300	17900	11700	34100	4640	2760	2640	2450
20	4010	6610	13800	15500	10500	18000	14000	34100	4000	2810	2400	2570
21	3930	6350	12200	16400	9720	17900	15900	34100	3590	2710	2260	2510
22	3700	8080	11100	16300	8880	17800	15100	33700	3450	2640	2330	2470
23	3310	10800	9770	16000	7990	17800	10400	32900	3670	2590	2500	2460
24	3090	14000	8990	15900	7170	17900	7260	31200	4000	2460	2460	2460
25	5140	16100	8830	18900	6730	18000	5910	26100	3830	2430	2340	2470
26	12700	16000	8410	25000	6470	17700	5590	17600	3620	2450	2220	2470
27	9500	14500	7760	29000	6880	16200	5260	12600	3630	2770	2160	2670
28	6970	14100	7360	31700	7580	12700	5180	10400	3590	3740	2110	3010
29	5790	14700	7160	33600	---	9200	5320	8960	3430	4120	2090	2760
30	4780	16100	8580	35200	---	7660	5080	7990	3110	4580	2110	2590
31	4520	---	10400	36100	---	7070	---	7850	---	4480	2360	---
TOTAL	161840	298980	659660	472300	571020	370340	230180	707270	181900	93390	86060	71920
MEAN	5221	9966	21280	15240	20390	11950	7673	22820	6063	3013	2776	2397
MAX	12700	16100	35400	36100	37100	18000	15900	36000	12900	4580	5910	3490
MIN	3090	4340	7160	7500	6470	7070	4000	4000	3110	2430	2090	1840
CFSM	.79	1.50	3.21	2.30	3.08	1.80	1.16	3.44	.91	.45	.42	.36
IN.	.91	1.68	3.70	2.65	3.20	2.08	1.29	3.97	1.02	.52	.48	.40
CAL YR 1977	TOTAL	4564600	MEAN	12510	MAX	49400	MIN	1860	CFSM	1.89	IN	25.61
WTR YR 1978	TOTAL	3904860	MEAN	10700	MAX	37100	MIN	1840	CFSM	1.61	IN	21.91

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.60	10.69	18.36	15.57	19.49	13.76	12.50	10.67	12.83	8.68	9.92	8.52
2	9.20	10.64	18.84	15.47	19.50	13.35	11.88	10.09	12.34	8.67	9.14	9.45
3	9.21	10.63	19.06	14.84	19.51	13.09	11.26	11.24	12.41	8.91	8.40	8.89
4	9.47	10.47	19.22	14.13	19.49	13.41	10.95	15.27	14.72	8.99	8.02	8.08
5	10.35	12.10	19.34	13.64	19.50	13.25	11.04	16.52	16.13	8.69	7.77	7.56
6	11.03	14.32	19.40	13.33	19.50	13.20	11.24	17.26	14.98	8.53	7.71	7.30
7	10.83	14.82	19.42	13.14	19.50	13.47	11.00	17.64	13.56	8.50	7.66	7.16
8	10.48	15.36	19.40	13.26	19.48	14.49	10.53	17.86	13.87	8.85	7.68	7.07
9	10.00	15.54	19.36	13.94	19.41	14.57	10.25	18.41	15.37	8.95	7.73	7.01
10	9.88	15.94	19.28	14.06	19.22	14.17	10.09	18.95	14.68	8.62	7.81	7.03
11	12.39	15.82	19.21	14.17	18.84	14.24	10.14	19.21	13.02	8.57	7.83	7.15
12	14.56	15.37	19.14	14.42	18.22	14.33	10.86	19.35	12.42	8.41	8.56	7.30
13	14.37	14.88	19.09	14.67	17.14	14.33	13.00	19.43	12.25	8.17	8.95	7.32
14	13.60	14.49	19.04	14.78	15.87	14.44	15.69	19.45	11.78	8.26	10.57	7.41
15	12.44	14.09	18.93	14.77	15.78	14.85	16.39	19.42	11.14	8.74	11.91	7.49
16	11.10	13.84	18.69	14.68	16.49	15.81	15.92	19.38	10.87	9.10	10.88	7.64
17	10.65	13.64	18.42	14.73	16.44	17.01	14.96	19.35	11.33	8.95	9.66	8.24
18	10.43	13.27	18.08	15.32	15.92	17.55	14.49	19.36	11.50	8.63	8.74	8.00
19	10.29	12.77	17.38	16.17	15.45	17.76	15.63	19.35	10.78	8.43	8.26	7.97
20	10.20	12.47	16.49	17.07	15.06	17.78	16.58	19.35	10.09	8.50	7.92	8.16
21	10.10	12.27	15.87	17.34	14.61	17.76	17.20	19.35	9.57	8.36	7.71	8.07
22	9.81	13.55	15.32	17.32	14.10	17.72	16.93	19.33	9.40	8.25	7.81	8.01
23	9.27	15.18	14.64	17.22	13.49	17.72	14.97	19.28	9.67	8.18	8.06	8.00
24	8.96	16.58	14.17	17.20	12.90	17.75	12.97	19.18	10.09	8.00	8.00	8.00
25	11.20	17.25	14.07	18.00	12.56	17.77	11.91	18.83	9.88	7.95	7.83	8.01
26	16.01	17.22	13.79	18.74	12.36	17.69	11.64	17.67	9.61	7.98	7.65	8.02
27	14.46	16.73	13.33	19.04	12.68	17.29	11.36	16.00	9.62	8.44	7.55	8.30
28	12.75	16.61	13.04	19.21	13.20	16.06	11.29	14.98	9.58	9.76	7.47	8.78
29	11.81	16.80	12.89	19.32	---	14.30	11.42	14.15	9.37	10.22	7.43	8.43
30	10.92	17.25	13.90	19.41	---	13.26	11.20	13.49	8.93	10.72	7.46	8.18
31	10.66	---	14.98	19.46	---	12.82	---	13.39	---	10.62	7.86	---
MEAN	11.16	14.35	17.17	15.95	16.63	15.32	12.84	17.20	11.73	8.76	8.39	7.89
MAX	16.01	17.25	19.42	19.46	19.51	17.78	17.20	19.45	16.13	10.72	11.91	9.45
MIN	8.96	10.47	12.89	13.14	12.36	12.82	10.09	10.09	8.93	7.95	7.43	7.01

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1952-53, 1963 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1962 to September 1970, June 1975 to current year.

pH: June 1975 to current year.

WATER TEMPERATURES: November 1962 to September 1970, June 1975 to current year.

DISSOLVED OXYGEN: June 1975 to current year.

SUSPENDED SEDIMENT CONCENTRATIONS: April 1967 to current year.

SUSPENDED SEDIMENT DISCHARGE: April 1967 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Sept. 10, 1965; minimum, 25 micromhos Mar. 7, 1977.

pH: Maximum, 8.4 units Oct. 19, 21, 1976; minimum, 5.4 units Jan. 23, 24, 1977.

WATER TEMPERATURES: Maximum daily, 34.0°C July 14, 1967; minimum daily, 2.0°C Dec. 21, 1963.

DISSOLVED OXYGEN: Maximum, 12.9 mg/L Oct. 22, Dec. 1, 1976; minimum, 2.9 mg/L May 25, 1977.

SUSPENDED SEDIMENT CONCENTRATIONS: Maximum daily mean, 522 mg/L Dec. 17, 1967; minimum daily mean, 2 mg/L Nov. 11-13, 1970, Oct. 15, 17, Nov. 14, 1971.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily mean, 32,700 tons (29,700 tonnes) May 7, 1967; minimum daily mean, 7 tons (6.35 tonnes) Nov. 11-13, 1970.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 130 micromhos Sep. 3; minimum, 34 micromhos Apr. 21.

pH: Maximum, 7.1 units June 29, July 21; minimum, 5.7 units for several days during the winter.

WATER TEMPERATURES: Maximum, 32.0°C July 13; minimum, 4.0°C for several days in January and February.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANECUS (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)	HARD- NESS (MG/L AS CAC03)
OCT 12...	1200	9170	59	6.5	20.0	80	70	7.9	3.4	--	820	14
NOV 07...	1415	10200	57	6.2	17.0	50	35	7.9	1.0	1000	8800	11
DEC 15...	1215	27600	60	6.4	11.0	65	35	9.9	2.2	220	K700	15
JAN 27...	1300	29200	45	5.6	10.5	80	55	10.0	1.8	5000	17000	9
FEB 24...	1315	7140	73	6.6	10.0	30	20	9.7	1.7	K20	K60	16
MAR 15...	1230	10100	72	6.8	18.0	40	30	9.1	1.4	K150	--	16
APR 05...	1200	4890	76	6.4	21.5	30	15	8.3	1.1	K5	K1000	15
MAY 03...	1300	4820	78	6.5	22.0	30	35	7.6	5.0	--	--	17
JUN 07...	1215	7940	56	6.2	27.0	--	35	8.1	--	--	--	12
JUL 19...	1230	2730	65	6.4	30.5	15	15	4.7	2.1	7800	6200	12
AUG 22...	1145	2340	73	6.1	--	30	--	6.8	1.6	--	500	9
SEP 06...	1515	2000	114	6.5	29.0	50	20	7.7	2.6	--	--	15

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

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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	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)
OCT 12...	3	4.2	.8	5.0	39	.6	2.3	14	0	11	5.1	5.7
NOV 07...	0	3.0	.8	5.6	48	.7	2.0	13	0	11	4.3	5.1
DEC 15...	8	3.9	1.2	4.1	34	.5	2.3	8	0	7	13	5.0
JAN 27...	3	2.5	.7	3.2	38	.5	1.8	7	0	6	9.1	3.3
FEB 24...	2	4.1	1.3	5.9	42	.7	1.5	17	0	14	10	5.5
MAR 15...	8	4.2	1.3	5.8	41	.6	1.7	10	0	8	11	7.0
APR 05...	1	4.0	1.3	7.8	49	.9	1.6	18	0	15	8.3	6.5
MAY 03...	0	4.8	1.3	7.3	45	.8	1.6	21	0	17	8.1	6.5
JUN 07...	0	3.8	.6	5.6	46	.7	1.9	15	0	12	6.0	5.2
JUL 19...	0	2.7	1.2	7.4	54	.9	1.8	15	0	12	3.2	7.5
AUG 22...	0	2.0	1.0	9.6	62	1.4	2.7	14	0	11	9.1	7.8
SEP 06...	3	3.0	1.8	14	63	1.6	2.5	15	0	12	14	20

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 CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)
OCT 12...	.1	6.0	37	36	.05	916	.26	--	--	.66	--
NOV 07...	.1	7.7	45	35	.06	1240	.18	--	--	.41	--
DEC 15...	.1	8.8	46	42	.06	3430	.16	.14	--	--	--
JAN 27...	.1	6.4	25	31	.03	1970	.22	.08	.73	.81	.12
FEB 24...	.0	9.7	42	46	.06	810	.18	.15	--	--	--
MAR 15...	.1	7.9	51	44	.07	1390	.25	.12	.47	.59	.22
APR 05...	.0	7.3	47	46	.06	621	.44	.12	.47	.59	.00
MAY 03...	.0	8.2	45	48	.06	586	.28	.09	.45	.54	.24
JUN 07...	.0	9.2	48	40	.07	1030	.25	.09	.71	.80	.00
JUL 19...	.1	6.4	40	38	.05	295	.02	.01	.86	.87	.19
AUG 22...	.1	10	50	49	.07	316	.40	.06	--	--	--
SEP 06...	.1	11	69	74	.09	--	.41	.08	.53	.61	.08

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (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)	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)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 12...	--	.92	4.1	.17	--	7.8	--	--	--	--	--
NOV 07...	--	.59	2.6	.11	--	--	--	--	700	--	--
DEC 15...	--	--	--	.12	.02	--	--	--	--	--	--
JAN 27...	.69	1.0	4.6	.15	.02	--	15	1.2	--	270	21300
FEB 24...	.54	--	--	.09	.01	5.2	--	--	--	--	--
MAR 15...	.37	.84	3.7	.20	.14	5.4	--	--	4000	--	--
APR 05...	.59	1.0	4.6	.08	.00	--	3.8	1.9	--	--	--
MAY 03...	.30	.82	3.6	.10	.01	6.7	--	--	10000	--	--
JUN 07...	.90	1.1	4.6	.12	.03	7.1	--	--	--	--	--
JUL 19...	.68	.89	3.9	.06	.02	--	8.5	1.0	--	--	--
AUG 22...	.86	--	--	.07	.01	4.4	--	--	--	--	--
SEP 06...	.53	1.0	4.5	.08	.03	--	--	--	--	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIIUM, 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)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 12...	1	0	1	--	--	--	<10	<10	0	5
JAN 27...	2	1	1	100	0	100	1	0	1	10
APR 05...	5	2	3	100	100	0	1	1	0	0
JUL 19...	2	0	2	200	0	200	1	0	1	0

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	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)
OCT 12...	0	5	<50	<50	0	10	5	5	4000	3900
JAN 27...	10	0	2	1	1	18	11	7	3400	3200
APR 05...	0	0	3	0	3	10	4	6	1100	890
JUL 19...	0	0	2	1	1	13	7	6	630	460

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

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (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 12...	80	<100	<100	0	400	390	10	.0	.0	.0
JAN 27...	150	6	4	2	200	130	70	.1	.1	.0
APR 05...	210	5	0	5	120	70	50	.0	.0	.0
JUL 19...	170	11	5	6	350	310	40	.0	.0	.0

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (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)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 12...	0	0	0	--	--	--	20	0	20
JAN 27...	0	0	0	1	1	0	30	10	20
APR 05...	0	0	0	0	0	0	10	0	10
JUL 19...	0	0	0	1	1	0	20	0	20

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

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	82	76	55	49	69	54	64	59	50	49	66	60
2	86	82	56	52	54	41	60	54	51	49	61	57
3	90	78	80	54	45	41	59	53	49	45	61	57
4	94	86	86	67	53	46	---	---	46	44	61	57
5	86	78	66	54	61	52	---	---	47	45	67	58
6	87	80	61	44	64	61	---	---	50	47	68	65
7	87	80	55	44	65	64	---	---	51	49	72	56
8	80	74	58	51	65	64	---	---	51	49	68	61
9	78	74	67	57	66	65	---	---	52	50	66	61
10	87	79	66	56	66	56	---	---	54	51	68	65
11	83	76	57	52	57	55	---	---	52	50	67	62
12	81	49	59	51	58	56	---	---	52	50	79	62
13	50	47	63	58	59	58	---	---	56	52	86	78
14	70	52	63	61	59	58	---	---	59	55	89	72
15	69	59	63	62	63	59	---	---	64	57	73	69
16	73	59	63	58	64	59	---	---	64	55	71	66
17	73	69	62	60	64	59	---	---	61	56	67	57
18	72	35	62	60	70	63	63	58	63	63	67	56
19	78	49	62	57	68	64	62	57	66	60	70	66
20	---	---	64	58	69	67	59	52	59	57	69	65
21	---	---	68	63	67	63	59	54	59	57	74	66
22	---	---	65	55	70	63	59	57	58	57	72	68
23	---	---	55	49	69	64	57	55	60	57	69	65
24	---	---	60	43	67	63	61	56	64	59	68	64
25	---	---	51	41	70	63	61	54	66	60	68	64
26	---	---	62	52	70	69	54	50	67	65	67	63
27	---	---	66	61	69	63	50	44	70	65	67	63
28	---	---	67	58	64	59	46	43	64	60	69	65
29	---	---	64	60	64	60	50	45	---	---	72	65
30	---	---	70	63	64	59	53	50	---	---	81	70
31	53	49	---	---	64	54	54	49	---	---	84	78
MONTH	94	35	86	41	70	41	64	43	70	44	89	56
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	84	80	88	81	83	67	91	86	104	64	97	81
2	84	79	100	88	72	63	85	78	65	60	116	98
3	79	78	100	78	74	69	86	77	69	65	130	116
4	79	78	75	62	76	67	85	74	68	63	114	87
5	---	---	68	51	65	44	79	73	65	61	88	68
6	---	---	66	43	46	44	80	75	64	61	75	65
7	---	---	55	46	76	44	75	70	69	63	86	75
8	---	---	61	53	75	58	76	70	73	67	86	79
9	---	---	60	44	71	45	77	74	74	69	79	75
10	---	---	44	35	47	45	77	73	72	67	86	78
11	---	---	41	35	66	46	74	71	77	73	79	72
12	---	---	50	41	67	64	72	68	76	70	87	73
13	---	---	58	50	75	65	77	71	89	71	86	74
14	---	---	60	57	75	69	78	72	75	60	79	73
15	---	---	61	57	78	71	70	67	72	54	88	72
16	---	---	63	58	76	72	69	59	69	60	93	86
17	---	---	66	62	71	68	62	58	75	61	87	74
18	---	---	67	65	72	67	65	62	85	74	89	78
19	---	---	69	64	81	65	68	62	86	81	95	86
20	---	---	72	66	82	76	77	66	88	71	102	93
21	44	34	75	68	74	66	89	79	81	69	102	92
22	51	41	74	70	65	61	85	72	86	81	110	100
23	58	50	77	71	65	62	73	67	85	77	105	98
24	78	58	76	66	69	63	68	60	87	77	122	100
25	95	78	73	65	77	69	61	58	87	81	122	113
26	91	85	74	68	70	65	70	62	100	83	112	101
27	86	83	84	72	73	65	71	60	101	95	103	95
28	87	84	83	80	101	71	61	52	96	92	94	89
29	95	85	81	73	108	101	63	54	93	87	95	89
30	91	82	76	69	101	90	70	58	89	84	102	85
31	---	---	88	74	---	---	103	72	85	81	---	---
MONTH	95	34	100	35	108	44	103	52	104	54	130	65

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.7	6.6	6.6	6.5	6.2	6.0	6.6	6.5	6.0	5.9	6.4	6.3
2	6.7	6.6	6.6	6.6	6.1	6.0	6.5	6.4	5.9	5.9	6.3	6.3
3	6.8	6.1	6.7	6.6	6.0	6.0	6.5	6.3	5.9	5.9	6.4	6.3
4	6.8	6.8	6.8	6.7	6.1	6.0	---	---	5.9	5.9	6.5	6.4
5	6.9	6.9	6.7	6.5	6.1	6.0	---	---	5.9	5.9	6.5	6.4
6	7.0	6.9	6.5	6.3	6.0	5.9	---	---	6.0	5.9	6.5	6.5
7	7.0	6.9	6.5	6.3	5.9	5.8	---	---	5.9	5.9	6.6	6.5
8	6.9	6.8	6.5	6.4	5.8	5.7	---	---	5.9	5.8	6.5	6.3
9	6.8	6.7	6.6	6.5	5.7	5.7	---	---	5.8	5.7	6.4	6.3
10	6.9	6.8	6.6	6.5	6.0	5.7	---	---	5.8	5.7	6.4	6.3
11	6.9	6.9	6.5	6.5	6.1	6.0	---	---	5.9	5.8	6.5	6.4
12	6.9	6.4	6.6	6.5	6.1	6.0	---	---	6.0	5.9	6.5	6.4
13	6.5	6.4	6.6	6.5	6.1	6.1	---	---	6.1	6.0	6.6	6.4
14	6.7	6.5	6.6	6.6	6.1	6.0	---	---	6.1	6.0	6.5	6.3
15	6.7	6.6	6.7	6.6	6.1	6.0	---	---	6.3	6.1	6.3	6.3
16	6.8	6.7	6.7	6.6	6.1	6.0	---	---	6.3	6.3	6.4	6.3
17	6.9	6.8	6.7	6.7	6.1	6.1	---	---	6.3	6.2	6.4	6.1
18	6.8	5.9	6.7	6.6	6.2	6.1	6.6	6.4	6.4	6.3	6.3	6.1
19	6.7	6.2	6.7	6.6	6.2	6.2	6.5	6.4	6.4	6.3	6.2	6.1
20	---	---	6.7	6.6	6.2	6.2	6.4	6.3	6.3	6.2	6.1	5.9
21	---	---	6.7	6.6	6.3	6.2	6.5	6.3	6.2	6.2	6.0	5.9
22	---	---	6.7	6.5	6.3	6.3	6.4	6.3	6.3	6.3	5.9	5.7
23	---	---	6.5	6.4	6.3	6.2	6.3	6.2	6.3	6.3	5.8	5.7
24	---	---	6.6	6.3	6.4	6.2	6.3	6.2	6.3	6.2	6.0	5.8
25	---	---	6.4	6.2	6.4	6.3	6.3	6.1	6.3	6.3	6.0	6.0
26	---	---	6.4	6.3	6.4	6.4	6.2	6.1	6.4	6.3	6.1	6.0
27	---	---	6.4	6.3	6.4	6.3	6.1	6.0	6.4	6.3	6.1	6.0
28	---	---	6.4	6.3	6.3	6.3	6.1	6.1	6.4	6.4	6.2	6.1
29	---	---	6.4	6.3	6.4	6.3	6.1	6.1	---	---	6.3	6.2
30	---	---	6.4	6.2	6.4	6.3	6.1	6.1	---	---	6.5	6.3
31	6.6	6.5	---	---	6.6	6.3	6.0	6.0	---	---	6.5	6.4
MONTH	7.0	5.9	6.8	6.2	6.6	5.7	6.6	6.0	6.4	5.7	6.6	5.7
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.4	6.7	6.6	6.7	6.6	6.8	6.6	6.7	6.4	6.7	6.5
2	6.5	6.4	6.6	6.5	6.7	6.5	6.7	6.6	6.4	6.3	6.8	6.7
3	6.6	6.4	6.6	6.5	6.7	6.6	6.8	6.6	6.4	6.3	6.9	6.8
4	6.7	6.5	6.4	6.2	6.8	6.7	6.8	6.6	6.4	6.3	6.8	6.6
5	---	---	6.7	6.2	6.6	6.3	6.8	6.6	6.4	6.3	6.6	6.4
6	---	---	6.7	6.4	6.4	6.3	6.8	6.6	6.4	6.3	6.5	6.4
7	---	---	6.7	6.5	6.4	6.3	6.7	6.6	6.4	6.3	6.5	6.5
8	---	---	6.7	6.7	6.4	6.3	6.8	6.6	6.4	6.3	6.6	6.5
9	---	---	6.6	6.2	6.3	6.2	6.8	6.5	6.4	6.4	6.5	6.5
10	---	---	6.2	6.1	6.3	6.2	6.8	6.5	6.4	6.4	6.6	6.5
11	---	---	6.2	6.1	6.4	6.2	6.7	6.5	6.5	6.4	6.5	6.5
12	---	---	6.3	6.2	6.5	6.4	6.6	6.5	6.5	6.4	6.5	6.5
13	---	---	6.3	6.3	6.6	6.5	6.6	6.4	6.5	6.4	6.5	6.5
14	---	---	6.3	6.3	6.6	6.5	6.6	6.4	6.4	6.2	6.5	6.4
15	---	---	6.3	6.2	6.8	6.5	6.5	6.4	6.2	5.9	6.5	6.5
16	---	---	6.2	6.2	6.7	6.6	6.5	6.4	6.2	6.1	6.6	6.5
17	---	---	6.4	6.2	6.8	6.6	6.4	6.3	6.4	6.2	6.6	6.4
18	---	---	6.4	6.3	6.8	6.7	6.4	6.3	6.5	6.4	6.5	6.4
19	---	---	6.1	6.0	6.9	6.6	6.8	6.3	6.5	6.5	6.6	6.5
20	---	---	6.1	6.0	6.8	6.6	7.0	6.6	6.5	6.4	6.5	6.5
21	6.1	6.0	6.1	6.0	6.6	6.5	7.1	6.7	6.5	6.4	6.5	6.5
22	6.1	6.0	6.2	6.1	6.5	6.4	6.9	6.6	6.5	6.5	6.8	6.5
23	6.2	6.1	6.2	6.2	6.6	6.4	6.9	6.6	6.5	6.4	6.7	6.6
24	6.3	6.2	6.2	6.2	6.6	6.5	6.7	6.5	6.5	6.4	6.6	6.5
25	6.5	6.4	6.2	6.2	6.6	6.5	6.6	6.4	6.5	6.4	6.6	6.5
26	6.6	6.5	6.3	6.2	6.6	6.5	6.6	6.4	6.5	6.4	6.9	6.6
27	6.5	6.5	6.5	6.3	6.8	6.5	6.6	6.4	6.6	6.5	6.7	6.6
28	6.7	6.5	6.6	6.5	6.8	6.6	6.5	6.4	6.6	6.5	6.7	6.5
29	7.0	6.7	6.6	6.6	7.1	6.7	6.4	6.3	6.6	6.5	6.9	6.6
30	6.9	6.7	6.6	6.6	6.9	6.7	6.4	6.3	6.6	6.6	6.9	6.7
31	---	---	6.7	6.6	---	---	6.7	6.5	6.6	6.5	---	---
MONTH	7.0	6.0	6.7	6.0	7.1	6.2	7.1	6.3	6.7	5.9	6.9	6.4

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.0	27.0	19.5	19.0	16.0	15.5	10.5	10.0	5.0	5.0	13.5	12.5
2	27.5	26.5	19.5	19.0	15.5	15.0	10.0	9.5	5.0	5.0	13.0	13.0
3	26.0	24.0	19.0	18.5	15.0	15.0	9.5	9.0	5.0	5.0	13.0	11.5
4	24.0	23.0	18.5	17.5	15.5	15.0	---	---	5.5	5.0	11.5	10.5
5	23.0	22.0	17.5	17.0	16.0	15.5	---	---	5.5	5.0	11.0	10.0
6	23.5	22.5	17.0	16.5	15.5	14.0	---	---	5.5	5.0	11.0	10.0
7	23.5	23.0	18.0	17.0	14.0	13.0	---	---	5.5	5.0	11.0	10.5
8	23.5	23.0	18.0	17.5	13.0	13.0	---	---	5.0	5.0	12.0	11.0
9	24.0	23.0	18.5	17.5	13.0	12.0	---	---	5.0	4.5	12.0	11.0
10	23.0	22.0	17.5	16.0	12.0	11.0	---	---	5.5	4.5	11.5	10.5
11	22.0	21.5	16.0	15.5	11.0	10.5	---	---	6.0	5.0	12.0	11.0
12	21.0	19.0	15.5	15.0	11.0	10.5	---	---	7.0	5.5	13.0	11.5
13	19.0	18.5	15.5	14.5	11.5	11.0	---	---	6.5	7.0	14.0	12.5
14	18.5	17.5	15.0	14.5	11.5	11.0	---	---	9.0	8.0	15.5	14.0
15	18.5	17.5	15.5	14.5	11.5	11.0	---	---	9.0	8.5	15.5	14.5
16	19.0	17.0	15.5	15.0	12.5	11.5	---	---	9.5	8.5	15.0	13.5
17	20.0	18.5	16.5	15.5	13.5	12.5	---	---	10.0	9.0	14.5	13.5
18	20.0	19.0	16.5	16.0	13.5	13.0	---	---	10.0	9.5	15.5	14.5
19	20.0	19.0	16.0	15.5	13.5	13.0	6.0	5.0	9.5	8.5	15.0	14.5
20	---	---	17.0	16.0	13.5	13.0	4.5	4.5	8.5	8.0	15.0	14.5
21	---	---	17.5	17.0	13.0	11.5	5.0	4.5	8.5	7.5	15.0	14.5
22	---	---	17.5	17.0	11.5	10.5	5.0	4.5	8.5	7.5	15.5	14.5
23	---	---	17.5	17.0	10.5	10.5	5.0	4.5	9.0	8.0	16.5	15.5
24	---	---	17.0	17.0	12.0	11.0	5.5	5.0	10.0	8.5	16.5	15.5
25	---	---	17.0	16.5	12.0	11.5	6.5	5.5	10.5	9.0	16.5	15.5
26	---	---	16.5	15.5	11.5	10.5	7.0	6.5	11.5	10.5	16.0	15.0
27	---	---	15.5	14.5	10.5	10.0	7.5	7.0	12.0	11.0	16.0	15.0
28	---	---	16.0	15.0	10.0	9.5	7.5	7.0	12.5	12.0	16.5	15.0
29	---	---	16.5	15.5	9.5	9.0	7.0	6.5	---	---	17.0	15.5
30	---	---	16.5	16.0	10.5	9.5	6.5	6.0	---	---	17.0	16.0
31	20.0	19.5	---	---	10.5	10.0	5.5	5.5	---	---	17.5	16.0
MONTH	28.0	17.0	19.5	14.5	16.0	9.0	10.5	4.5	12.5	4.5	17.5	10.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.5	17.0	23.5	22.5	27.0	26.5	30.5	29.0	30.0	29.0	29.0	27.5
2	19.5	18.0	23.5	23.0	27.0	26.0	30.5	29.5	30.5	29.0	29.0	28.0
3	20.0	19.0	23.0	21.0	26.5	26.0	31.5	30.0	31.0	29.5	28.5	28.0
4	21.0	20.0	21.0	20.0	26.5	25.5	31.5	30.5	31.0	30.0	29.0	27.5
5	---	---	20.5	20.0	26.0	25.5	31.0	30.0	31.0	29.5	29.0	27.5
6	---	---	20.0	19.5	26.5	25.5	31.0	30.0	30.5	29.5	29.0	27.5
7	---	---	19.5	19.5	26.0	25.5	31.0	30.0	30.0	29.0	29.0	27.5
8	---	---	20.0	19.5	26.5	25.5	31.0	29.5	29.0	27.5	28.5	28.0
9	---	---	21.0	20.0	26.5	25.5	31.0	30.0	27.5	27.0	28.0	27.5
10	---	---	21.0	20.5	27.0	26.0	31.0	29.5	28.0	27.0	28.5	27.5
11	---	---	21.0	20.5	27.0	26.5	30.5	29.0	28.5	27.5	28.0	27.0
12	---	---	21.5	21.0	27.5	26.0	31.0	29.0	27.5	26.0	28.0	27.5
13	---	---	21.5	21.0	28.0	27.0	32.0	30.0	27.5	26.0	27.5	27.0
14	---	---	21.5	21.0	28.0	27.0	31.5	30.5	27.0	26.0	27.0	26.5
15	---	---	22.0	21.0	28.0	27.0	31.0	30.0	26.5	25.0	27.5	26.5
16	---	---	22.0	21.5	28.0	27.0	30.5	29.0	28.0	26.5	28.0	26.5
17	---	---	22.0	21.5	28.5	27.5	30.0	29.0	29.5	27.5	28.0	27.0
18	---	---	21.5	21.5	29.0	27.5	31.0	29.0	30.5	29.0	28.5	27.5
19	---	---	22.5	22.0	29.0	28.0	30.5	29.5	30.5	29.5	29.0	27.5
20	---	---	23.0	22.5	29.0	28.0	30.5	29.5	31.0	29.5	29.0	27.5
21	20.5	19.5	23.5	23.0	29.5	28.0	30.0	29.5	30.5	29.5	29.0	27.5
22	20.0	19.0	23.5	23.0	30.0	28.5	29.0	28.0	30.5	29.5	29.0	28.0
23	20.5	19.5	24.0	23.5	30.0	29.0	28.5	27.5	30.0	28.5	29.0	28.0
24	21.5	20.0	24.5	24.0	31.0	29.5	28.5	27.5	30.0	29.0	28.5	27.5
25	22.0	21.0	25.0	24.0	31.0	30.0	29.5	27.5	30.5	29.0	28.0	27.0
26	21.0	20.5	25.0	24.5	31.0	29.5	29.5	28.5	30.5	29.0	27.0	26.0
27	21.0	19.5	26.0	24.5	30.5	29.5	29.0	27.5	30.0	29.0	26.5	25.5
28	21.5	20.0	26.5	25.5	31.0	30.0	28.0	27.0	29.0	28.0	26.0	25.5
29	22.0	21.0	26.5	25.5	31.5	30.5	28.5	27.5	28.5	27.0	25.5	24.5
30	22.5	21.5	27.0	26.0	31.0	30.0	29.0	27.5	28.0	26.5	25.5	24.5
31	---	---	27.5	26.5	---	---	30.0	28.5	28.5	27.0	---	---
MONTH	22.5	17.0	27.5	19.5	31.5	25.5	32.0	27.0	31.0	25.0	29.0	24.5

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.4	7.4	7.3	6.8	8.8	7.8	10.6	10.4	---	---	10.1	9.8
2	8.1	7.2	7.3	6.9	8.7	8.2	10.7	10.6	---	---	9.8	9.5
3	8.7	7.8	8.5	7.0	8.2	8.1	10.8	10.6	---	---	9.8	9.5
4	9.2	8.4	8.8	8.2	8.1	8.0	---	---	---	---	10.3	9.8
5	9.7	9.0	8.9	8.4	8.2	8.0	---	---	---	---	10.4	10.3
6	9.7	9.0	9.1	8.8	8.6	8.2	---	---	---	---	10.3	10.1
7	9.2	8.5	9.0	8.7	9.0	8.6	---	---	---	---	10.5	9.4
8	8.6	7.7	8.7	8.0	9.1	8.9	---	---	---	---	10.2	9.6
9	8.0	6.9	8.4	7.8	9.5	9.1	---	---	---	---	9.6	9.3
10	7.3	6.8	9.0	8.2	9.7	9.4	---	---	---	---	9.3	9.2
11	7.9	6.9	9.3	8.8	9.9	9.7	---	---	---	---	9.2	9.0
12	---	---	9.5	9.1	10.0	9.9	---	---	---	---	---	---
13	---	---	9.8	9.4	9.9	9.8	---	---	---	---	---	---
14	---	---	---	---	9.8	9.8	---	---	---	---	---	---
15	9.1	8.3	---	---	9.9	9.6	---	---	---	---	---	---
16	8.8	8.2	---	---	9.6	9.3	---	---	---	---	---	---
17	8.6	7.4	9.8	9.4	9.3	8.9	---	---	---	---	---	---
18	8.3	5.9	9.5	9.4	8.9	8.5	---	---	---	---	---	---
19	6.9	5.6	9.5	9.3	8.7	8.4	11.2	10.9	---	---	---	---
20	---	---	9.3	9.2	9.2	8.7	11.2	11.1	---	---	---	---
21	---	---	9.2	9.0	9.7	9.3	11.1	10.9	---	---	---	---
22	---	---	9.0	8.7	10.0	9.7	11.4	11.1	---	---	---	---
23	---	---	8.8	8.6	10.1	10.0	11.4	11.4	11.7	11.3	---	---
24	---	---	8.8	8.0	10.1	9.9	11.4	11.3	11.3	11.0	---	---
25	---	---	8.0	7.5	9.9	9.8	11.2	10.8	11.0	10.7	---	---
26	---	---	7.9	7.4	10.1	10.0	10.8	11.5	10.7	10.4	---	---
27	---	---	8.7	7.9	10.4	10.1	10.4	9.4	10.6	10.3	---	---
28	---	---	9.0	8.7	10.7	10.4	---	---	10.3	10.2	---	---
29	---	---	8.9	8.0	10.7	10.7	---	---	---	---	---	---
30	---	---	8.7	8.3	10.7	10.5	---	---	---	---	---	---
31	---	---	---	---	10.5	10.4	---	---	---	---	---	---
MONTH	9.7	5.6	9.8	6.8	10.7	7.8	11.4	9.4	11.7	10.2	10.5	9.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	9.6	9.2	---	---	---	---	---	---
4	---	---	---	---	9.5	8.5	---	---	---	---	---	---
5	---	---	---	---	8.4	7.5	---	---	---	---	---	---
6	---	---	---	---	7.5	6.7	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	5.9	5.2	---	---	---	---	---	---
12	---	---	---	---	7.1	5.8	---	---	---	---	---	---
13	---	---	---	---	6.7	6.0	---	---	---	---	---	---
14	---	---	---	---	6.7	6.1	---	---	---	---	---	---
15	---	---	---	---	7.1	6.0	---	---	---	---	---	---
16	---	---	---	---	6.7	5.9	---	---	---	---	---	---
17	---	---	---	---	6.7	5.6	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	7.0	6.7	---	---	---	---	---	---	---	---	---	---
23	6.8	6.6	---	---	---	---	---	---	---	---	---	---
24	6.6	6.3	---	---	---	---	---	---	---	---	---	---
25	6.4	6.2	---	---	---	---	---	---	---	---	---	---
26	7.0	6.4	---	---	---	---	---	---	---	---	---	---
27	7.5	6.5	---	---	---	---	---	---	---	---	---	---
28	8.2	7.0	---	---	---	---	---	---	---	---	---	---
29	8.2	7.5	---	---	---	---	---	---	---	---	---	---
30	7.3	6.3	---	---	8.2	6.9	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	8.2	6.2	---	---	9.6	5.2	---	---	---	---	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

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

DAY	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	OCTOBER		NOVEMBER		DECEMBER	
1	---	---	69	848	325	18600
2	---	---	55	668	321	22700
3	---	---	47	570	326	25800
4	---	---	49	574	335	28800
5	---	---	100	1670	334	30600
6	---	---	131	3260	323	30500
7	---	---	117	3190	307	29300
8	---	---	---	---	290	27400
9	63	653	---	---	273	25300
10	73	739	---	---	260	23100
11	192	3210	---	---	253	21700
12	263	6530	---	---	---	---
13	175	4180	---	---	---	---
14	115	2380	---	---	---	---
15	95	1600	---	---	---	---
16	76	985	---	---	---	---
17	61	725	---	---	---	---
18	48	546	---	---	---	---
19	42	464	---	---	---	---
20	36	390	---	---	---	---
21	36	382	---	---	---	---
22	36	360	---	---	---	---
23	32	286	---	---	---	---
24	29	242	---	---	---	---
25	62	860	---	---	---	---
26	---	---	---	---	---	---
27	---	---	---	---	---	---
28	55	1040	---	---	---	---
29	46	719	240	9530	---	---
30	47	607	306	13300	---	---
31	68	830	---	---	---	---
TOTAL	---	27728	---	33610	---	283800
	JANUARY		FEBRUARY		MARCH	
1	---	---	398	39400	---	---
2	---	---	318	31700	---	---
3	---	---	289	28900	---	---
4	---	---	290	28700	---	---
5	---	---	309	30800	---	---
6	---	---	300	29900	---	---
7	---	---	259	25800	---	---
8	---	---	180	17700	71	1820
9	---	---	---	---	102	2660
10	---	---	---	---	63	1530
11	---	---	---	---	39	958
12	---	---	---	---	32	799
13	---	---	---	---	29	724
14	---	---	---	---	26	661
15	78	2110	---	---	51	1400
16	213	5660	---	---	100	3270
17	270	7240	---	---	85	3510
18	270	8090	---	---	66	3050
19	306	10700	---	---	73	3530
20	225	9420	---	---	44	2140
21	203	8990	---	---	44	2130
22	244	10700	70	1680	50	2400
23	230	9940	64	1380	---	---
24	252	10800	60	1160	---	---
25	444	22700	56	1020	---	---
26	480	32400	54	943	---	---
27	402	31500	53	985	---	---
28	378	32400	---	---	---	---
29	375	34000	---	---	---	---
30	429	40800	---	---	---	---
31	456	44400	---	---	---	---
TOTAL	---	321850	---	240068	---	30582

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

DAY	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DA
	APRIL		MAY		JUNE	
1					---	---
2					---	---
3					---	---
4					---	---
5					---	---
6					---	---
7					---	---
8					---	---
9					---	---
10					---	---
11					---	---
12					---	---
13					---	---
14					---	---
15					---	---
16					---	---
17					---	---
18					---	---
19					---	---
20					---	---
21					51	494
22					49	456
23					58	575
24					69	745
25					77	796
26					63	616
27					47	461
28					38	368
29					39	361
30					45	378
31						
TOTAL					---	5250
	JULY		AUGUST		SEPTEMBER	
1	47	373	42	439	75	571
2	42	332	45	396	68	641
3	53	444	49	363	56	466
4	54	459	44	293	48	327
5	50	397	39	242	45	264
6	46	351	49	299	44	239
7	54	410	45	271	43	224
8	87	719	39	236	41	207
9	104	879	39	239	---	---
10	97	757	39	245	---	---
11	75	579	39	246	---	---
12	58	431	79	608	---	---
13	49	341	---	---	---	---
14	51	364	---	---	---	---
15	50	402	---	---	---	---
16	52	453	---	---	---	---
17	57	482	125	1240	---	---
18	64	501	73	587	---	---
19	64	477	55	392	---	---
20	59	448	49	318	---	---
21	65	476	41	250	---	---
22	66	470	44	277	---	---
23	63	441	44	297	---	---
24	65	432	31	206	---	---
25	61	400	36	227	---	---
26	56	370	31	186	---	---
27	72	538	20	117	---	---
28	76	767	16	91	---	---
29	56	623	28	158	---	---
30	75	927	26	148	---	---
31	62	750	39	249	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NOV. 7, 1977 1415 HOURS

PHYTOPLANKTON 700 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	28	4
...SCENEDESMACEAE		
....SCENEDESMUS	66	9
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTILLA	38	5
....MELOSIRA	190	27
..PENNIALES		
...CYMBELLACEAE		
....CYMBELLA	19	3
...EUNOTIACEAE		
....EUNOTIA	28	4
...FRAGILARIACEAE		
....FRAGILARIA	9	1
..NAVICULACEAE		
....NAVICULA	56	8
...NITZSCHIACEAE		
....NITZSCHIA	9	1
...SURIPELLACEAE		
....SURIPELLA		0
CYANOPHYTA		
..CYANOPHYCEAE		
...HORMOGONALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	250	36

MAR. 15, 1978 1230 HOURS

PHYTOPLANKTON 4,000 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	92	2
...MICRACTINIACEAE		
....GOLENKINIA	7	0
...OOCYSTACEAE		
....ANKISTRODESMUS	230	6
....KIRCHNERIELLA	64	2
....SELENASTRUM	21	1
...SCENEDESMACEAE		
....SCENEDESMUS	57	1
..TETRASPORALES		
...PALMELLACEAE		
....SPHAEROCYSTIS	50	1
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTILLA	7	0
....MELOSIRA	1,100	28
..PENNIALES		
...ACHNANTHACEAE		
....ACHNANTHES	14	0
...CYMBELLACEAE		
....CYMBELLA	7	0
...FRAGILARIACEAE		
....SYNEDRA	78	2
...GOMPHONEMACEAE		
....GOMPHONEMA	28	1
..NAVICULACEAE		
....NAVICULA	50	1
...NITZSCHIACEAE		
....NITZSCHIA	28	1
CYANOPHYTA		
..CYANOPHYCEAE		
...CHROCOCCOCCALES		
...CHROCOCCOCCAEAE		
....ANACYSTIS	2,100	53

MAY 3, 1978 1300 HOURS

PHYTOPLANKTON 10,000 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	2,000	20
...HYDRODICTYACEAE		
....PEDIASTRUM	110	1
...MICRACTINIACEAE		
....GOLENKINIA	86	1
....MICRACTINIUM	460	5
...OOCYSTACEAE		
....ANKISTRODESMUS	600	6
....KIRCHNERIELLA		0
....OOCYSTIS	200	2
....SELENASTRUM	29	0
...SCENEDESMACEAE		
....ACTINASTRUM	230	2
....SCENEDESMUS	290	3
....TETRASTRUM	460	5
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	29	0
...PHACOTACEAE		
....PTEROMONAS	29	0
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTILLA	140	1
....MELOSIRA	4,000	40
..PENNIALES		
...NAVICULACEAE		
....PINNULARIA		0
...NITZSCHIACEAE		
....NITZSCHIA	86	1
CYANOPHYTA		
..CYANOPHYCEAE		
...CHROCOCCOCCALES		
...CHROCOCCOCCAEAE		
....ANACYSTIS	1,000	10
...HORMOGONALES		
...OSCILLATORIACEAE		
....LYNGBYA	230	2
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
...EUGLENALES		
....EUGLENACEAE		
....EUGLENA	57	1
....PHACUS	29	0

PEARL RIVER BASIN

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02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA, LA

LOCATION.--Lat 30°46'56", long 89°52'24", in SE¼ sec.15, T.3 S., R.13 E., St. Helena meridian, Washington Parish, Hydrologic Unit 03180004, near center of span on downstream side of bridge on State Highway 439, at Bogalusa, 0.3 mi (0.5 km) upstream from Ice Water Branch, 0.9 mi (1.4 km) downstream from Adams Creek, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--72.7 mi² (188.3 km²).

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

REVISED RECORDS.--WRD LA-1974: 1964(P), 1965-66(M), 1967(P), 1969-72(M), 1973(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 76.60 ft (23.348 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--15 years, 114 ft³/s (3.228 m³/s), 21.30 in/yr (541 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,100 ft³/s (201 m³/s) Apr. 18, 1973, gage height, 11.86 ft (3.615 m); minimum, 5.0 ft³/s (0.14 m³/s) Oct. 27, 28, 1967, gage height, 3.54 ft (1.079 m), affected by temporary regulation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 14, 1961, reached a stage of about 13 ft (4.0 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 973 ft³/s (27.6 m³/s) May 3, gage height, 5.51 ft (1.679 m), no peak above base of 1,500 ft³/s (42 m³/s); minimum, 31 ft³/s (0.878 m³/s) Sept. 24, 25, 26, gage height, 3.77 ft (1.149 m).

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	46	65	628	146	366	186	79	72	68	134	85	53
2	45	80	408	122	474	120	78	69	101	80	64	46
3	45	129	231	108	353	148	78	574	130	61	55	42
4	47	187	176	102	247	153	77	543	247	54	49	40
5	44	803	155	99	199	110	75	235	121	51	46	39
6	42	551	133	102	175	102	75	139	104	49	45	38
7	40	255	112	125	160	209	75	144	147	50	106	36
8	39	163	105	318	149	365	71	299	566	162	70	36
9	49	251	128	300	140	209	68	443	285	97	62	37
10	54	261	172	165	135	149	67	238	133	64	68	37
11	87	148	122	130	129	128	113	153	101	63	61	37
12	121	114	108	155	125	120	253	123	95	60	128	37
13	73	100	113	187	171	112	368	120	89	50	197	40
14	53	92	246	138	162	134	207	99	86	47	267	53
15	47	86	181	117	124	136	113	87	73	93	294	55
16	44	84	127	112	117	107	92	81	66	117	147	49
17	42	81	151	228	114	97	85	91	66	89	86	49
18	41	79	144	195	112	93	413	205	63	56	68	43
19	41	81	116	281	109	92	731	140	60	48	60	40
20	41	90	106	238	105	90	297	93	56	51	55	38
21	41	174	99	167	104	96	156	80	52	53	51	37
22	40	510	93	140	100	109	120	74	69	135	51	36
23	39	302	92	129	99	95	103	72	61	152	50	34
24	79	172	94	283	99	106	95	73	58	126	63	32
25	486	134	94	713	99	164	101	70	60	115	53	31
26	643	114	89	670	100	112	113	87	256	85	49	38
27	225	101	84	388	99	93	88	170	102	201	46	117
28	114	276	84	259	140	88	78	94	67	97	53	230
29	90	479	158	204	---	84	74	80	57	78	57	127
30	77	475	373	183	---	83	72	74	71	151	89	68
31	69	---	215	248	---	81	---	64	---	180	71	---
TOTAL	2944	6437	5137	6752	4506	3971	4415	4886	3510	2849	2646	1595
MEAN	95.0	215	166	218	161	128	147	158	117	91.9	85.4	53.2
MAX	643	803	628	713	474	365	731	574	566	201	294	230
MIN	39	65	84	99	99	81	67	64	52	47	45	31
CFSM	1.31	2.96	2.28	3.00	2.21	1.76	2.02	2.17	1.61	1.26	1.17	.73
IN.	1.51	3.29	2.63	3.45	2.31	2.03	2.26	2.50	1.80	1.46	1.35	.82

CAL YR 1977 TOTAL 60221 MEAN 165 MAX 5210 MIN 28 CFSM 2.27 IN 30.81
WTR YR 1978 TOTAL 49648 MEAN 136 MAX 803 MIN 31 CFSM 1.87 IN 25.40

PEARL RIVER BASIN

02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	3.92	5.01	4.16	4.58	4.25	3.96	3.94	3.93	4.13	3.98	3.87
2	3.84	3.96	4.66	4.10	4.78	4.09	3.96	3.93	4.04	3.97	3.91	3.84
3	3.84	4.12	4.34	4.06	4.56	4.16	3.95	4.88	4.12	3.90	3.88	3.83
4	3.85	4.24	4.23	4.04	4.37	4.17	3.96	4.88	4.37	3.88	3.85	3.82
5	3.83	5.29	4.18	4.03	4.28	4.06	3.95	4.34	4.09	3.86	3.84	3.81
6	3.82	4.89	4.13	4.04	4.22	4.04	3.95	4.14	4.04	3.85	3.84	3.80
7	3.82	4.38	4.07	4.11	4.18	4.27	3.95	4.15	4.16	3.86	4.05	3.80
8	3.81	4.20	4.05	4.49	4.17	4.58	3.94	4.46	4.90	4.17	3.94	3.80
9	3.85	4.37	4.11	4.46	4.15	4.29	3.93	4.71	4.43	4.02	3.91	3.80
10	3.87	4.39	4.22	4.20	4.13	4.16	3.92	4.35	4.13	3.91	3.93	3.80
11	3.98	4.16	4.10	4.12	4.12	4.11	4.06	4.17	4.04	3.91	3.90	3.80
12	4.09	4.08	4.06	4.18	4.11	4.09	4.38	4.10	4.02	3.90	4.10	3.80
13	3.94	4.03	4.07	4.25	4.21	4.07	4.58	4.09	4.00	3.86	4.27	3.82
14	3.87	4.01	4.37	4.14	4.20	4.13	4.29	4.03	3.99	3.84	4.40	3.87
15	3.85	3.99	4.24	4.09	4.10	4.13	4.07	3.99	3.94	4.01	4.45	3.88
16	3.83	3.98	4.11	4.07	4.09	4.05	4.01	3.97	3.92	4.08	4.16	3.85
17	3.83	3.97	4.17	4.33	4.08	4.02	3.98	4.00	3.92	4.00	3.99	3.86
18	3.82	3.96	4.15	4.27	4.07	4.01	4.62	4.29	3.91	3.88	3.93	3.83
19	3.82	3.97	4.08	4.43	4.06	4.01	5.17	4.14	3.90	3.85	3.90	3.81
20	3.82	4.00	4.05	4.35	4.05	4.00	4.46	4.01	3.88	3.86	3.88	3.81
21	3.82	4.18	4.03	4.21	4.05	4.02	4.18	3.97	3.87	3.87	3.86	3.80
22	3.81	4.83	4.01	4.15	4.04	4.06	4.09	3.95	3.93	4.13	3.85	3.80
23	3.81	4.47	4.01	4.12	4.03	4.02	4.04	3.93	3.90	4.17	3.86	3.79
24	3.93	4.22	4.01	4.41	4.03	4.05	4.02	3.94	3.89	4.11	3.91	3.78
25	4.78	4.13	4.01	5.14	4.03	4.20	4.04	3.93	3.89	4.08	3.87	3.77
26	5.03	4.08	4.00	5.07	4.04	4.07	4.07	3.98	4.38	3.98	3.85	3.81
27	4.32	4.04	3.98	4.62	4.03	4.01	4.00	4.21	4.04	4.27	3.84	4.08
28	4.08	4.39	3.98	4.39	4.14	3.99	3.96	4.01	3.92	4.02	3.87	4.34
29	4.00	4.78	4.15	4.29	---	3.98	3.95	3.97	3.89	3.96	3.89	4.10
30	3.96	4.77	4.59	4.24	---	3.98	3.94	3.95	3.94	4.17	4.00	3.93
31	3.93	---	4.30	4.37	---	3.97	---	3.91	---	4.23	3.94	---
MEAN	3.96	4.26	4.18	4.29	4.18	4.10	4.11	4.14	4.05	3.99	3.96	3.86
MAX	5.03	5.29	5.01	5.14	4.78	4.58	5.17	4.88	4.90	4.27	4.45	4.34
MIN	3.81	3.92	3.98	4.03	4.03	3.97	3.92	3.91	3.87	3.84	3.84	3.77

PEARL RIVER BASIN

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02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA

LOCATION.--Lat 30°45'54", long 89°50'00", in lot 40, T.4 S., R.13 E., Washington Parish, Hydrologic Unit 03180004, on right bank, 200 yards (183 m) upstream from Pools Bluff (low water) sill, 5.3 mi (8.5 km) south of Bogalusa.

DRAINAGE AREA.--Not determined.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1975 to current year.

pH: June 1975 to current year.

WATER TEMPERATURES: June 1975 to current year.

DISSOLVED OXYGEN: June 1975 to current year.

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

REMARKS.--Flow data available for Pearl River near Bogalusa, La., 10.3 mi (16.6 km) upstream (station 02489500).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 160 micromhos June 1, 1977; minimum, 30 micromhos Apr. 22, 1977.

pH: Maximum, 7.9 units May 3, 1978; minimum, 5.5 units Jan. 20, 1977.

WATER TEMPERATURES: Maximum, 32.5°C July 25, 1977; minimum, 3.0°C Jan. 19, 20, 1977.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 7, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 137 micromhos Sep. 4; minimum, 33 micromhos Jan. 28, 29.

pH: Maximum, 7.9 units May 3; minimum, 5.8 units Oct. 27, 28, Dec. 2-11.

WATER TEMPERATURES: Maximum, 32.0°C July 14; minimum, 4.5°C Feb. 8, 9, 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DIS- SOLVED AS (MG/L CAC03)	HARD- NESS, NONCAR- BONATE, DIS. (MG/L CAC03)
OCT												
12...	1130	89	6.9	19.0	80	35	7.7	2.7	--	420	17	0
NOV												
07...	1330	59	6.3	20.0	60	25	7.5	1.2	1300	--	10	0
DEC												
15...	1100	63	6.4	12.5	60	25	8.3	1.4	K64	--	13	5
JAN												
27...	1140	53	5.7	7.0	60	25	9.2	1.0	K1500	6400	11	6
FEB												
24...	1240	80	6.5	9.5	30	25	9.3	1.0	K35	K150	17	6
MAR												
15...	1100	76	6.4	17.5	30	30	9.3	1.5	820	--	17	9
APR												
05...	1030	86	6.5	21.5	40	15	8.7	3.0	K5	K35	16	0
MAY												
03...	1125	87	6.7	23.0	40	25	7.4	.9	K86	640	18	0
JUN												
07...	1110	61	6.1	27.0	100	30	6.3	4.4	<5	--	14	0
JUL												
19...	1050	83	6.3	30.5	40	10	6.0	4.8	K3200	2200	12	0
AUG												
22...	1045	98	5.9	30.0	40	9	5.9	.8	--	<3800	12	0
SEP												
06...	1315	88	6.5	28.5	60	20	6.5	1.1	--	--	11	0

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

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

PEARL RIVER BASIN

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 12...	4.5	1.3	10	53	1.1	2.3	24	0	20	11	6.3
NOV 07...	2.7	.8	6.3	53	.9	1.8	12	0	10	4.6	5.8
DEC 15...	3.4	1.2	4.8	39	.6	2.4	10	0	8	11	5.1
JAN 27...	6.0	.7	4.3	32	.4	1.6	6	0	5	9.8	4.8
FEB 24...	4.5	1.3	7.5	47	.8	1.6	14	0	11	12	5.8
MAR 15...	4.4	1.4	6.7	44	.7	1.7	10	0	8	12	6.6
APR 05...	4.4	1.2	10	54	1.1	1.8	22	0	18	11	6.6
MAY 03...	4.4	1.7	9.2	50	.9	1.8	23	0	19	7.9	10
JUN 07...	4.0	1.0	6.8	47	8.0	1.9	19	0	16	6.3	5.0
JUL 19...	2.8	1.3	11	62	1.4	1.8	20	0	16	11	7.2
AUG 22...	3.0	1.1	13	66	1.6	2.1	17	0	14	13	8.7
SEP 06...	2.5	1.2	11	63	1.4	2.1	18	0	15	11	7.3

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	.1	6.8	53	54	.07	.26	.46	.72	3.2	.18	7.4
NOV 07...	.1	7.3	51	35	.07	.18	.32	.50	2.2	.10	--
DEC 15...	.1	8.2	46	41	.06	.16	.41	.57	2.5	.10	--
JAN 27...	.0	7.1	--	38	.04	--	.09	--	--	.11	9.6
FEB 24...	.0	9.4	50	49	.07	.34	.56	.90	4.0	.10	--
MAR 15...	.1	8.0	49	46	.07	.22	.56	.78	3.5	.20	--
APR 05...	.0	7.1	54	53	.07	.05	.54	.59	2.6	.09	9.0
MAY 03...	.0	7.0	58	53	.08	.17	.75	.92	4.1	.08	--
JUN 07...	.0	9.0	52	43	.07	.30	.72	1.0	4.5	.10	--
JUL 19...	.1	6.9	54	52	.07	.10	.91	1.0	4.5	.07	8.5
AUG 22...	.1	11	71	60	.10	.26	.56	.82	3.6	.05	--
SEP 06...	.1	11	60	55	.08	.35	.65	1.0	4.4	.09	--

PEARL RIVER BASIN

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02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, HEXA- VALENT, DIS. (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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 12...	1	0	0	3	60	0	40	.1	10	.00	4
JAN 27...	1	1	0	9	150	4	60	.1	20	--	--
APR 05...	2	0	6	4	210	6	60	.0	0	--	--
JUL 19...	1	1	0	7	240	5	100	.1	10	--	--

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT 12...	.0	.00	.00	.0	.00	.00	.00	.02	.00	.00	.00
JAN 27...	--	--	--	--	--	--	--	--	--	--	--
APR 05...	.0	.00	.00	.0	.00	.00	.00	.00	.00	--	.00
JUL 19...	--	--	--	--	--	--	--	--	--	--	--

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)
OCT 12...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 27...	--	--	--	--	--	--	--	--	--	--
APR 05...	.00	.00	.00	.00	.00	--	.00	.00	.00	.00
JUL 19...	--	--	--	--	--	--	--	--	--	--

DATE	PER- THANE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 12...	.00	0	.00	.01	.01	.00
APR 05...	--	0	.00	.00	.00	.00

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	105	90	79	74	66	57	56	53	40	38	58	52
2	99	86	84	79	57	51	56	50	40	38	55	52
3	103	96	87	81	52	47	52	49	42	39	55	52
4	112	99	98	88	51	47	62	52	40	38	55	51
5	109	97	90	43	56	49	63	59	39	38	58	50
6	100	94	62	50	59	54	66	62	41	37	60	56
7	102	96	57	48	61	55	65	62	43	39	62	57
8	101	88	58	55	64	58	65	59	44	40	58	51
9	93	87	67	58	65	60	62	56	43	40	53	47
10	103	90	71	62	63	56	58	53	45	41	58	51
11	102	85	66	62	57	53	58	53	46	42	57	54
12	89	63	68	63	56	52	60	55	46	43	59	53
13	63	57	72	68	55	52	58	55	50	44	71	60
14	69	58	76	71	57	52	63	57	53	48	67	63
15	78	69	86	73	56	54	62	54	55	50	64	61
16	75	70	90	85	59	54	56	52	57	50	62	54
17	79	74	92	89	58	54	54	51	54	49	57	49
18	85	79	93	90	59	54	54	50	59	53	55	48
19	90	83	94	91	61	55	51	46	59	55	59	53
20	91	87	93	90	64	58	47	41	56	52	58	56
21	89	86	96	83	61	58	46	41	54	52	60	56
22	87	85	86	70	65	57	49	46	54	50	63	59
23	91	86	75	63	67	62	49	46	57	52	62	59
24	93	89	71	63	66	57	49	46	60	55	61	57
25	92	67	63	56	60	56	48	41	61	57	60	57
26	73	46	70	59	65	59	43	38	63	58	62	58
27	48	44	75	67	64	60	40	35	63	57	62	59
28	63	47	71	68	63	56	37	33	60	53	62	60
29	87	65	71	65	63	54	37	33	---	---	68	62
30	87	77	71	66	62	52	39	34	---	---	77	67
31	81	75	---	---	58	51	40	36	---	---	81	76

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	89	79	102	93	---	---	108	100	104	85	104	96
2	89	81	108	97	94	70	105	97	89	78	112	99
3	91	82	108	74	80	72	100	90	89	79	132	109
4	90	85	79	69	84	74	104	83	95	87	137	110
5	90	86	68	60	77	55	87	75	97	87	111	97
6	93	89	68	56	59	52	93	84	104	88	102	85
7	117	92	59	55	59	51	91	83	95	87	104	86
8	97	90	64	59	61	41	87	79	97	89	106	98
9	95	87	67	63	57	48	89	78	101	88	107	94
10	89	84	61	49	54	45	87	79	97	84	106	97
11	85	80	51	47	66	47	87	79	99	89	104	95
12	82	75	55	47	76	66	87	81	---	---	97	89
13	78	72	61	52	80	70	89	76	---	---	104	92
14	79	71	66	59	85	69	95	87	---	---	99	90
15	69	57	70	62	87	70	91	76	---	---	96	88
16	66	60	71	66	86	81	85	77	81	70	109	92
17	78	67	70	66	80	74	82	71	86	72	107	98
18	80	70	71	67	81	71	84	71	103	85	104	89
19	73	64	---	---	82	70	82	74	110	99	110	98
20	64	57	---	---	94	78	85	77	115	101	112	103
21	63	53	---	---	89	80	93	81	102	94	113	100
22	56	47	---	---	---	---	98	84	113	100	121	106
23	64	54	---	---	87	79	87	80	113	96	121	110
24	78	62	---	---	84	76	84	76	109	97	124	110
25	101	77	---	---	94	76	79	72	114	103	131	119
26	100	93	---	---	91	79	79	71	114	103	131	118
27	97	92	---	---	86	76	87	77	117	107	125	103
28	99	91	---	---	100	78	78	59	122	116	110	97
29	101	94	---	---	121	99	68	59	119	110	101	93
30	104	97	---	---	115	105	69	64	116	108	105	94
31	---	---	---	---	---	---	88	66	113	100	---	---

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.6	6.5	6.3	6.3	6.0	5.9	6.4	6.3	6.0	6.0	6.5	6.5
2	6.6	6.5	6.3	6.3	5.9	5.8	6.4	6.3	6.0	6.0	6.5	6.4
3	6.8	6.6	6.6	6.3	5.8	5.8	6.3	6.3	6.0	6.0	6.5	6.4
4	6.9	6.8	6.6	6.5	5.9	5.8	6.4	6.3	6.0	6.0	6.5	6.5
5	6.9	6.9	6.5	5.9	5.9	5.8	6.4	6.4	6.0	6.0	6.6	6.5
6	6.9	6.9	6.3	6.2	5.9	5.8	6.4	6.4	6.0	6.0	6.6	6.6
7	6.9	6.9	6.2	6.1	5.9	5.8	6.4	6.4	6.1	6.0	6.6	6.6
8	6.9	6.8	6.3	6.2	5.8	5.8	6.4	6.3	6.0	6.0	6.5	6.4
9	6.8	6.8	6.3	6.2	5.8	5.8	6.4	6.3	6.0	6.0	6.4	6.4
10	6.9	6.8	6.4	6.3	5.8	5.8	6.4	6.4	6.0	5.9	6.4	6.4
11	6.9	6.9	6.3	6.2	5.9	5.8	6.5	6.4	5.9	5.9	6.5	6.4
12	6.9	6.5	6.3	6.2	5.9	5.9	6.6	6.5	6.0	5.9	6.5	6.5
13	6.5	6.4	6.3	6.2	5.9	5.9	6.6	6.5	6.1	6.0	7.6	6.5
14	6.5	6.4	6.4	6.3	5.9	5.9	6.6	6.5	6.2	6.1	6.5	6.5
15	6.6	6.5	6.4	6.3	6.0	5.9	6.5	6.5	6.3	6.2	6.5	6.5
16	6.6	6.5	6.5	6.4	6.0	5.9	6.5	6.4	6.4	6.3	6.5	6.4
17	6.7	6.6	6.5	6.4	6.0	6.0	6.4	6.4	6.3	6.3	6.5	6.3
18	6.7	6.7	6.5	6.5	6.1	6.0	6.4	6.4	6.4	6.3	6.4	6.3
19	6.8	6.7	6.5	6.4	6.1	6.0	6.3	6.3	6.4	6.4	6.3	6.3
20	6.8	6.7	6.5	6.4	6.1	6.1	6.3	6.2	6.4	6.3	6.3	6.2
21	6.8	6.8	6.5	6.4	6.2	6.1	6.3	6.2	6.4	6.3	6.2	6.1
22	6.8	6.7	6.4	6.3	6.3	6.2	6.3	6.2	6.4	6.3	6.1	6.1
23	6.7	6.7	6.4	6.2	6.2	6.2	6.2	6.1	6.4	6.4	6.1	6.1
24	6.7	6.6	6.3	6.2	6.2	6.2	6.2	6.1	6.4	6.4	6.1	5.9
25	6.6	6.2	6.2	6.0	6.3	6.2	6.1	6.0	6.4	6.4	6.1	6.0
26	6.4	5.9	6.2	6.1	6.3	6.3	6.0	6.0	6.5	6.4	6.1	6.0
27	5.9	5.8	6.3	6.1	6.3	6.2	6.0	6.0	6.5	6.5	6.1	6.1
28	6.1	5.8	6.2	6.1	6.3	6.3	6.0	6.0	6.5	6.5	6.2	6.1
29	6.4	6.1	6.6	6.1	6.3	6.3	6.0	6.0	---	---	6.3	6.2
30	6.4	6.3	6.1	6.0	6.3	6.2	6.1	6.0	---	---	6.4	6.3
31	6.4	6.3	---	---	6.3	6.2	6.1	6.0	---	---	6.5	6.4
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.6	6.4	7.0	6.9	---	---	6.8	6.6	6.3	6.2	6.5	6.4
2	6.5	6.5	6.9	6.8	6.5	6.5	7.2	6.6	6.4	6.3	6.6	6.5
3	6.6	6.5	7.9	6.5	6.6	6.5	6.7	6.5	6.4	6.3	6.7	6.6
4	6.7	6.6	6.6	6.4	6.7	6.6	6.8	6.6	6.4	6.4	6.7	6.6
5	6.7	6.6	6.5	6.3	6.6	6.4	6.8	6.5	6.4	6.3	6.6	6.5
6	6.8	6.6	6.3	6.2	6.4	6.3	6.8	6.6	6.4	6.3	6.5	6.4
7	6.8	6.7	6.2	6.2	6.5	6.3	6.7	6.5	6.4	6.4	6.5	6.4
8	6.8	6.7	6.2	6.2	6.4	6.1	6.6	6.4	6.4	6.4	6.5	6.5
9	6.8	6.7	6.2	6.1	6.4	6.2	6.6	6.4	6.4	6.4	6.5	6.5
10	6.7	6.7	6.1	6.0	6.3	6.3	6.5	6.4	6.4	6.4	6.5	6.4
11	6.7	6.6	6.0	5.9	6.5	6.3	6.4	6.3	6.4	6.3	6.5	6.4
12	6.6	6.6	6.0	6.0	6.6	6.5	6.3	6.3	---	---	6.4	6.4
13	6.6	6.5	6.1	6.0	6.6	6.6	6.3	6.2	---	---	6.4	6.4
14	6.6	6.4	6.1	6.1	6.8	6.5	6.3	6.2	---	---	6.4	6.4
15	6.4	6.2	6.1	6.1	6.7	6.6	6.4	6.2	---	---	6.4	6.4
16	6.2	6.2	6.1	6.1	6.7	6.6	6.5	6.4	6.0	5.9	6.4	6.4
17	6.3	6.2	6.1	6.1	6.7	6.6	6.5	6.3	6.1	6.0	6.5	6.4
18	6.4	6.3	6.1	6.1	6.8	6.6	6.4	6.3	6.3	6.1	6.5	6.4
19	6.3	6.2	---	---	6.7	6.6	6.5	6.3	6.4	6.3	6.5	6.4
20	6.2	6.1	---	---	6.8	6.6	6.7	6.4	6.4	6.3	6.6	6.4
21	6.4	6.2	---	---	6.6	6.5	6.7	6.5	6.4	6.3	6.6	6.5
22	6.3	6.2	---	---	6.6	6.6	6.6	6.5	6.4	6.4	6.7	6.5
23	6.3	6.3	---	---	6.6	6.5	6.5	6.4	6.5	6.4	7.0	6.6
24	6.5	6.3	---	---	6.6	6.5	6.4	6.3	6.4	6.4	7.1	6.6
25	6.7	6.5	---	---	6.6	6.5	6.3	6.2	6.5	6.4	7.2	6.8
26	6.8	6.7	---	---	6.5	6.4	6.2	6.2	6.5	6.4	6.9	6.7
27	6.8	6.7	---	---	6.5	6.4	6.2	6.1	6.5	6.5	6.7	6.5
28	6.9	6.7	---	---	6.6	6.4	6.1	6.0	6.5	6.5	6.5	6.3
29	7.1	6.9	---	---	6.8	6.4	6.0	6.0	6.5	6.5	6.7	6.3
30	7.1	7.0	---	---	6.9	6.7	6.1	6.0	6.5	6.5	6.8	6.6
31	---	---	---	---	---	---	6.2	6.1	6.5	6.5	---	---

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.0	27.0	20.0	19.5	16.5	16.0	11.0	10.5	6.0	5.5	13.5	12.5
2	28.0	27.0	19.5	19.5	16.0	15.0	10.0	9.0	6.0	5.5	13.0	13.0
3	27.0	24.5	19.0	18.5	16.0	15.0	9.5	8.5	6.0	5.5	13.0	12.0
4	24.5	23.0	18.5	17.5	16.5	15.5	9.0	8.5	6.5	5.0	12.0	11.0
5	23.0	22.5	17.5	16.0	17.0	16.5	10.0	9.0	7.0	5.5	11.0	10.0
6	23.5	22.5	17.5	16.5	16.5	13.5	10.5	10.0	6.0	5.0	11.0	10.5
7	24.0	23.0	17.5	16.5	13.5	12.5	12.0	10.5	5.5	5.0	11.5	11.0
8	24.0	23.5	18.0	17.5	13.0	12.0	12.5	12.0	5.0	4.5	12.5	11.5
9	24.0	23.0	18.5	18.0	13.0	12.0	12.0	10.5	5.0	4.5	12.0	11.5
10	23.0	22.5	18.0	16.0	11.5	10.5	10.0	9.0	6.0	4.5	12.0	10.5
11	22.5	21.5	16.0	15.0	10.5	9.5	9.0	8.5	6.5	5.0	12.5	11.0
12	21.5	19.5	15.5	14.5	11.0	9.5	8.5	8.5	7.5	6.0	13.5	12.0
13	19.5	18.5	15.0	14.5	11.5	11.0	8.5	7.5	8.5	7.5	14.5	13.0
14	18.5	17.5	15.0	14.0	12.0	11.5	7.5	6.0	9.0	8.0	16.0	14.5
15	18.5	17.5	15.0	14.0	12.5	11.5	6.5	5.5	9.0	8.5	16.5	15.0
16	18.5	17.5	15.5	15.0	13.0	12.0	7.0	6.0	9.5	8.5	16.0	14.5
17	18.0	17.5	16.5	16.0	14.0	13.0	7.0	6.5	10.0	8.5	15.0	13.5
18	18.0	17.0	16.0	16.0	13.5	12.5	6.5	6.0	10.0	9.5	15.5	14.0
19	18.5	17.5	16.0	15.5	14.0	12.5	6.0	5.0	9.5	8.5	16.0	15.0
20	19.0	18.5	17.0	16.0	14.0	13.0	5.0	4.5	8.5	8.0	15.5	15.0
21	19.5	12.0	17.5	17.0	13.0	11.0	5.0	4.5	8.5	7.5	16.0	15.0
22	19.5	18.5	17.5	17.5	11.0	10.5	5.5	4.5	8.0	7.0	16.5	15.0
23	20.0	19.0	17.5	17.5	10.5	10.0	6.0	5.5	9.0	7.5	17.5	16.0
24	19.5	19.5	17.5	17.0	11.5	10.5	7.0	6.0	10.0	8.5	17.0	16.5
25	20.0	19.5	17.5	16.5	12.0	11.0	8.5	7.0	10.5	9.5	17.0	16.5
26	19.5	19.0	16.5	15.0	11.0	10.0	8.0	7.5	11.5	10.5	16.5	15.5
27	20.0	11.5	15.5	15.0	10.0	9.5	7.5	6.5	12.0	11.5	16.0	14.5
28	19.0	11.5	16.0	15.0	9.5	9.0	7.5	7.0	13.0	12.0	16.5	15.0
29	19.5	11.5	17.0	16.0	9.0	9.0	7.5	6.5	---	---	17.0	15.5
30	19.5	19.0	17.0	16.5	10.5	9.5	7.0	6.0	---	---	17.0	16.0
31	20.0	19.5	---	---	10.5	10.0	6.0	5.5	---	---	17.5	16.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.5	17.0	23.5	22.5	---	---	30.5	29.5	30.0	29.0	29.0	27.5
2	19.5	18.0	23.5	23.0	27.0	26.5	31.0	29.5	31.0	29.5	29.0	27.0
3	20.5	19.0	23.0	21.0	26.5	26.0	31.0	30.0	31.5	30.0	29.0	26.5
4	21.5	20.0	21.0	20.0	26.0	25.5	31.5	30.5	31.5	30.5	29.0	26.5
5	22.0	20.5	21.0	20.0	26.5	25.5	31.5	30.0	31.5	30.5	29.5	28.0
6	22.0	21.5	20.5	20.0	26.0	25.5	31.0	30.0	31.0	30.0	29.5	28.0
7	22.5	21.5	20.0	20.0	26.0	26.0	31.0	30.0	30.5	29.0	29.0	26.5
8	23.5	22.0	20.5	20.0	26.0	25.5	31.0	29.5	29.0	28.0	29.0	28.0
9	23.0	22.5	22.0	20.5	26.5	25.5	31.0	30.0	27.5	27.5	28.5	28.0
10	23.0	22.0	22.0	20.5	27.0	25.5	31.0	30.0	28.0	27.0	28.5	27.5
11	22.0	20.5	22.0	21.0	26.5	26.5	30.5	29.5	28.5	27.5	28.5	27.5
12	20.5	18.5	22.0	21.0	27.5	26.5	31.0	29.5	---	---	28.5	27.5
13	19.5	18.5	22.5	21.5	28.0	27.0	31.5	30.0	---	---	28.0	27.5
14	20.0	18.5	22.0	21.0	28.0	27.0	32.0	30.5	---	---	27.5	27.0
15	19.5	18.5	22.5	21.0	28.0	27.0	31.0	30.0	---	---	28.0	27.0
16	20.0	19.0	22.0	21.5	28.0	27.5	30.5	29.5	27.5	26.5	28.0	27.0
17	20.5	19.5	22.0	21.5	28.5	27.5	30.5	29.5	29.0	27.0	28.5	27.0
18	21.5	20.5	21.5	21.0	28.5	26.5	31.0	29.5	30.0	28.5	28.5	27.5
19	22.0	21.0	---	---	29.0	26.5	30.5	30.0	31.0	29.5	29.0	28.0
20	21.5	20.5	---	---	29.0	28.0	30.5	30.0	31.0	30.0	29.0	27.0
21	21.0	20.0	---	---	29.5	26.5	30.0	29.5	31.0	29.5	29.0	28.0
22	20.5	19.5	---	---	30.0	26.5	29.5	26.5	31.0	30.0	29.5	27.0
23	20.5	20.0	---	---	30.0	29.0	28.5	28.0	30.5	29.5	29.0	27.0
24	21.5	20.0	---	---	30.5	29.5	28.5	27.5	30.5	29.0	29.0	27.0
25	22.0	21.0	---	---	31.0	30.0	29.0	26.5	30.5	29.5	28.5	27.5
26	21.5	20.5	---	---	31.0	30.0	29.5	26.5	31.0	29.5	27.5	26.5
27	21.5	20.0	---	---	31.0	29.5	28.5	28.0	30.0	29.5	26.5	26.0
28	21.5	20.5	---	---	31.0	30.0	28.5	27.5	29.5	28.5	26.0	25.5
29	22.0	21.0	---	---	31.5	30.5	28.5	27.5	28.5	27.5	25.5	24.5
30	22.5	21.5	---	---	31.0	30.5	28.5	28.0	28.0	27.0	25.5	24.5
31	---	---	---	---	---	---	29.0	28.0	28.5	27.5	---	---

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.5	6.8	---	---	7.4	6.7	9.8	9.6	11.3	10.9		
2	7.1	6.7	---	---	7.2	6.6	9.8	9.5	11.1	10.9		
3	7.9	7.2	---	---	7.2	6.9	9.9	9.6	11.2	10.9		
4	8.8	8.0	8.5	7.9	7.2	6.9	10.1	9.9	11.0	10.7		
5	9.2	8.7	8.4	7.4	7.1	6.8	10.1	9.9	10.7	10.4		
6	9.4	8.9	8.5	8.1	7.7	6.8	10.0	9.7	10.5	10.3		
7	8.9	8.5	8.2	7.9	8.2	7.5	9.8	9.3	10.3	10.1		
8	8.8	8.1	8.1	7.6	8.4	7.8	9.4	8.5	10.2	10.1		
9	8.5	7.7	7.8	7.1	8.9	8.2	9.3	8.6	10.3	9.9		
10	8.5	7.6	7.9	7.2	9.5	8.9	9.9	9.3	10.1	10.0		
11	8.8	8.1	8.5	7.7	9.8	9.3	10.2	9.9	---	---		
12	8.7	7.8	9.1	8.3	9.6	9.3	10.3	10.2	---	---		
13	8.1	7.6	9.6	8.8	9.6	9.0	10.4	10.2	---	---		
14	8.0	7.7	---	---	9.2	8.8	10.7	10.3	---	---		
15	8.0	7.7	---	---	9.2	8.8	11.1	10.7	---	---		
16	8.5	8.0	---	---	9.1	8.7	11.2	11.0	---	---		
17	8.8	8.3	9.3	9.2	8.8	8.4	11.1	10.9	---	---		
18	9.1	8.7	9.3	9.2	8.4	7.7	10.9	10.6	---	---		
19	9.0	8.7	9.3	9.1	8.1	7.8	10.8	10.4	---	---		
20	9.1	8.7	9.1	8.9	8.6	8.0	10.9	10.7	---	---		
21	9.0	8.5	8.9	8.4	9.1	8.5	11.0	10.7	---	---		
22	8.9	8.5	8.3	7.8	9.5	9.1	11.1	10.8	---	---		
23	8.7	8.1	8.3	7.9	9.6	9.4	11.1	11.0	---	---		
24	---	---	8.0	7.4	9.8	9.5	11.0	10.5	---	---		
25	---	---	7.4	6.6	9.9	9.6	10.5	9.4	---	---		
26	---	---	7.1	6.7	9.9	9.7	9.9	9.4	---	---		
27	---	---	7.9	7.1	10.1	9.5	9.9	9.7	---	---		
28	---	---	8.2	7.8	10.3	10.1	9.8	9.5	---	---		
29	---	---	8.2	7.4	10.5	10.1	9.8	6.5	---	---		
30	---	---	7.7	7.1	10.1	9.7	10.0	9.6	---	---		
31	---	---	---	---	10.1	9.7	11.4	9.9	---	---		

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	8.2	7.4	---	---	8.2	6.8	---	---		
2	---	---	7.4	6.7	---	---	8.0	7.2	---	---		
3	---	---	6.7	5.6	---	---	7.8	6.7	---	---		
4	---	---	6.3	6.0	---	---	7.6	6.7	---	---		
5	---	---	7.8	6.2	---	---	7.5	6.8	---	---		
6	8.8	8.4	7.5	7.1	---	---	6.9	5.7	---	---		
7	8.6	8.0	7.3	6.8	---	---	---	---	---	---		
8	8.7	7.9	7.2	6.8	---	---	---	---	---	---		
9	8.3	7.9	7.1	6.5	---	---	---	---	---	---		
10	8.0	7.6	6.7	6.4	---	---	---	---	---	---		
11	7.8	7.2	6.6	6.3	---	---	---	---	---	---		
12	7.5	7.1	6.6	6.3	---	---	---	---	---	---		
13	8.1	7.2	6.6	6.3	---	---	---	---	---	---		
14	8.1	7.6	6.8	6.4	---	---	---	---	---	---		
15	7.7	7.3	6.7	6.4	---	---	---	---	---	---		
16	7.3	7.1	6.6	6.2	---	---	---	---	---	---		
17	7.2	7.0	6.7	6.3	---	---	---	---	6.2	5.8		
18	7.1	6.8	6.5	6.2	---	---	---	---	6.1	5.8		
19	7.2	6.9	---	---	---	---	---	---	6.2	5.7		
20	7.1	6.8	---	---	---	---	---	---	---	---		
21	7.1	6.8	---	---	---	---	---	---	---	---		
22	6.8	6.6	---	---	---	---	---	---	---	---		
23	6.6	6.4	---	---	---	---	---	---	---	---		
24	6.7	6.4	---	---	---	---	---	---	---	---		
25	6.9	6.5	---	---	---	---	---	---	---	---		
26	7.5	6.9	---	---	---	---	---	---	---	---		
27	7.6	7.3	---	---	---	---	---	---	---	---		
28	8.2	7.4	---	---	---	---	---	---	---	---		
29	8.8	7.9	---	---	---	---	---	---	---	---		
30	8.8	8.1	---	---	8.0	7.2	---	---	---	---		
31	---	---	---	---	---	---	---	---	---	---		

PEARL RIVER BASIN

02490500 BOQUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9 mi (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

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

REVISED RECORDS. WSP 1504: 1945 (P), 1946 (M), 1947-51, 1953.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--34 years, 790 ft³/s (22.37 m³/s), 21.37 in/yr (543 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge 0.2 mi (0.3) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft³/s (170 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. 26	0530	6090 172	15.09 4.599	May 9	1300	*14,200 402	*21.79 6.614

Minimum discharge, 292 ft³/s (8.3 m³/s) Aug. 7, gage height, 6.57 ft (2.003 m).

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	283	303	2500	1000	1910	621	345	351	432	397	321	835
2	293	384	2300	700	3740	556	339	381	710	357	309	443
3	408	746	1300	600	3250	532	330	1230	2310	342	306	366
4	457	1190	900	520	3140	532	327	1910	2620	330	303	345
5	349	1230	640	500	1720	496	318	1170	1620	324	298	333
6	303	1490	540	480	1120	464	315	711	895	378	295	315
7	288	1420	490	468	930	460	309	1920	612	457	300	312
8	282	738	470	940	815	516	306	8590	1330	408	540	309
9	321	702	460	1460	742	532	300	12400	1440	345	464	306
10	448	602	480	1140	684	504	295	6710	688	333	381	306
11	635	524	460	780	643	460	390	2590	532	372	414	306
12	586	468	440	661	607	443	742	1250	536	354	432	312
13	533	436	450	616	702	422	810	1840	512	330	480	321
14	401	418	840	576	1180	576	652	1970	439	327	870	363
15	341	404	800	532	1190	965	688	1480	404	321	810	457
16	315	397	700	512	805	1100	401	775	384	321	692	439
17	302	390	900	634	648	679	360	765	372	336	415	425
18	297	384	700	1040	598	464	742	1660	363	324	363	366
19	296	390	580	1060	560	429	2060	955	360	312	342	342
20	294	394	480	1100	536	404	1150	661	351	306	333	324
21	294	1050	450	1100	504	394	612	564	345	300	336	315
22	291	2110	430	830	484	381	476	580	342	300	321	318
23	290	1630	420	715	468	372	422	500	342	306	318	318
24	295	1050	410	1080	457	524	394	457	342	318	312	303
25	318	720	420	4120	457	746	401	436	354	439	321	298
26	330	589	440	3520	670	715	422	429	375	532	306	303
27	401	528	450	1600	995	500	429	457	339	476	306	404
28	354	500	430	3490	780	425	384	415	327	404	330	324
29	321	560	600	1570	---	387	366	397	324	381	516	318
30	309	1500	1500	1070	---	372	357	387	715	345	1010	315
31	306	---	1600	1080	---	357	---	415	---	330	1360	---
TOTAL	10941	23247	23580	35494	30335	16328	15442	54356	20915	11105	14104	10741
MEAN	353	775	761	1145	1083	527	515	1753	697	358	455	358
MAX	635	2110	2500	4120	3740	1100	2060	12400	2620	532	1360	835
MIN	282	303	410	468	457	357	295	351	324	300	295	298
CFSM	.70	1.54	1.52	2.28	2.16	1.05	1.03	3.49	1.39	.71	.91	.71
IN.	.81	1.72	1.75	2.63	2.25	1.21	1.14	4.03	1.55	.82	1.05	.80

CAL YR 1977	TOTAL	288921	MEAN 792	MAX	22700	MIN 250	CFSM 1.58	IN 21.41
WTR YR 1978	TOTAL	266588	MEAN 730	MAX	12400	MIN 282	CFSM 1.45	IN 19.76

PEARL RIVER BASIN

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02490500 BOGUE CHITTO NEAR TYLERTOWN, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.68	6.76		---	9.74	7.42	6.86	6.77	7.02	6.92	6.67	7.93
2	6.72	6.97		---	12.49	7.28	6.84	6.87	7.61	6.79	6.63	7.05
3	7.13	7.76		---	11.78	7.22	6.82	8.63	10.36	6.74	6.62	6.82
4	7.28	8.65		---	11.63	7.23	6.81	9.86	10.88	6.70	6.61	6.75
5	6.94	8.73		7.20	9.32	7.15	6.79	8.61	9.71	6.68	6.59	6.71
6	6.77	9.19		7.15	8.31	7.07	6.78	7.69	8.06	6.86	6.58	6.65
7	6.70	9.06		7.12	7.95	7.07	6.77	9.38	7.47	7.09	6.60	6.64
8	6.68	7.75		8.12	7.73	7.21	6.76	17.53	8.84	6.95	7.29	6.63
9	6.83	7.66		9.13	7.58	7.26	6.75	20.63	9.09	6.75	7.10	6.62
10	7.23	7.44		8.56	7.46	7.19	6.74	15.71	7.63	6.71	6.87	6.62
11	7.72	7.26		7.84	7.37	7.09	7.06	10.79	7.28	6.84	6.96	6.62
12	7.59	7.12		7.58	7.30	7.04	7.55	8.77	7.29	6.78	7.02	6.64
13	7.48	7.03		7.48	7.51	6.99	8.07	9.75	7.22	6.70	7.12	6.67
14	7.11	6.98		7.39	8.44	7.18	7.74	9.95	7.04	6.69	7.99	6.81
15	6.91	6.94		7.28	8.51	7.99	7.43	9.16	6.94	6.67	7.88	7.09
16	6.81	6.92		7.23	7.68	8.27	7.12	7.83	6.88	6.67	7.63	7.04
17	6.76	6.90		7.52	7.42	7.41	6.99	7.79	6.84	6.72	6.97	7.00
18	6.74	6.88		8.34	7.31	7.14	7.46	9.44	6.81	6.68	6.81	6.82
19	6.74	6.90		8.39	7.23	7.04	10.07	8.18	6.80	6.64	6.74	6.74
20	6.73	6.91		8.48	7.17	6.98	8.57	7.58	6.77	6.62	6.71	6.68
21	6.73	8.16		8.48	7.10	6.95	7.46	7.36	6.75	6.60	6.72	6.65
22	6.72	10.15		7.94	7.05	6.92	7.14	7.40	6.74	6.60	6.67	6.66
23	6.71	9.41		7.70	7.02	6.90	6.99	7.19	6.74	6.62	6.66	6.66
24	6.73	8.37		8.38	7.00	7.05	6.91	7.09	6.74	6.66	6.64	6.61
25	6.81	7.71		12.92	7.00	7.56	6.93	7.03	6.78	7.02	6.67	6.59
26	6.85	7.42		14.90	7.38	7.77	6.98	7.01	6.84	7.26	6.62	6.61
27	7.08	7.27		14.37	8.19	7.28	7.01	7.09	6.73	7.13	6.62	6.92
28	6.92	---		12.13	7.77	7.08	6.88	6.97	6.69	6.94	6.70	6.68
29	6.82	---		9.31	---	6.98	6.82	6.92	6.68	6.87	7.24	6.66
30	6.78	---		8.41	---	6.93	6.79	6.89	7.64	6.75	8.30	6.65
31	6.77	---		8.43	---	6.89	---	6.97	---	6.70	8.97	---
MEAN	6.92	---		---	8.16	7.21	7.20	8.99	7.50	6.79	7.01	6.77
MAX	7.72	10.15		14.90	12.49	8.27	10.07	20.63	10.88	7.26	8.97	7.93
MIN	6.68	6.76		---	7.00	6.89	6.74	6.77	6.68	6.60	6.58	6.59

PEARL RIVER BASIN

02491500 BOGUE CHITTO AT FRANKLINTON, LA

LOCATION.--Lat 30°50'35", long 90°09'45", in SE¼SE¼ sec.26 T.2 S., R.10 E., Washington Parish, Hydrologic Unit 03180005, at bridge on State Highway 10, 0.8 mi (1.3 km) west of Franklinton, and 3.5 mi (5.6 km) upstream from Lawrence Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 123.81 ft (37.737 m) National Geodetic Vertical Datum of 1929. August 1928 to September 1931, nonrecording gage at site about 0.2 mi (0.3 km) downstream at datum 2.00 ft (0.610 m) higher. October 1938 to June 22, 1939, nonrecording gage; June 23, 1939, to September 1957 and February to September 1975, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--22 years (1928-31, 1938-57), 1,596 ft³/s (45.20 m³/s), 22.00 in/yr (589 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.46 ft (5.93 m) Mar. 21, 1943, present datum; minimum, not determined. 1928-31, 1938-57: Maximum discharge, 50,000 ft³/s (1,416 m³/s) Mar. 21, 1943; minimum, 350 ft³/s (9.91 m³/s) Nov. 6-8, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 29.6 ft (9.02 m), at former site and present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 11.96 ft (3.645 m) Nov. 30, but may have been higher on May 10, during period of no gage-height record; minimum not determined.

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		---	11.30		---	2.29	1.38		---	1.22	1.09	2.40
2		---	9.25		---	1.89	1.35		---	1.22	1.06	2.24
3		1.38	8.29		---	2.00	1.33		---	1.21	1.03	1.42
4		1.81	5.69		---	1.91	1.31		---	1.20	1.00	1.23
5		4.77	3.48		---	1.76	1.30		---	1.21	.98	1.14
6		3.92	2.79		---	1.65	1.28		---	1.20	.97	1.09
7		3.41	2.36		2.79	1.61	1.27		---	1.19	.98	1.05
8		2.93	---		2.47	2.30	1.26		---	1.22	1.65	1.03
9		3.40	---		2.26	1.93	1.24		---	1.22	1.46	1.01
10		2.65	---		2.09	1.84	1.23		---	1.21	1.28	.99
11		1.97	---		1.97	1.73	1.37		---	1.20	1.20	.98
12		1.75	---		1.87	1.65	1.97		---	1.21	2.17	.97
13		1.60	---		1.98	1.58	2.66		---	1.16	1.98	.98
14		1.50	2.33		2.15	1.68	2.09		---	1.10	6.25	1.08
15		1.43	3.04		2.60	1.83	1.72		1.32	1.32	2.51	1.17
16		1.39	3.31		2.39	2.26	1.47		1.22	1.41	2.21	1.55
17		1.36	---		1.96	2.13	3.67		---	1.33	1.58	1.25
18		1.33	---		1.82	1.73	2.66		---	1.18	1.29	1.32
19		1.30	---		1.73	1.59	1.61		---	1.09	1.18	1.12
20		1.34	---		1.66	1.52	1.53		---	1.14	1.11	1.05
21		1.34	---		1.63	1.48	1.44		---	1.09	1.11	1.00
22		5.16	---		1.56	1.48	1.34		1.26	1.12	1.07	.98
23		4.58	---		1.53	1.45	---		1.26	1.10	3.66	.97
24		3.77	---		1.50	1.46	---		1.25	1.07	1.60	1.00
25		2.82	---		1.48	1.92	---		1.25	1.13	1.36	.98
26		2.18	---		1.48	1.85	---		1.24	1.27	1.16	.94
27		1.87	---		1.72	1.86	---		1.25	1.64	1.09	.94
28		2.91	---		2.43	1.62	---		1.24	1.38	1.08	1.17
29		2.83	---		---	1.52	---		1.24	1.29	1.21	1.00
30		8.19	---		---	1.45	---		1.22	1.22	2.64	.97
31		---	---		---	1.41	---		---	1.19	2.03	---
MEAN		---	---		---	1.75	---		---	1.22	1.64	1.17
MAX		8.19	11.30		---	2.30	---		---	1.64	6.25	2.40
MIN		---	---		---	1.41	---		---	1.07	.97	.94

PEARL RIVER BASIN

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02492000 BOGUE CHITTO NEAR BUSH, LA

LOCATION.--Lat 30°37'45", long 89°53'50", in SE¼NE¼ lot 42, in T.5 S., R.13 E., St. Tammany Parish, Hydrologic Unit 0381005, near center of span on downstream side of bridge on State Highway 21, 0.2 mi (0.3 km) downstream from Gulf, Mobile, and Ohio Railroad bridge, and 1.4 mi (2.3 km) north of Bush.

DRAINAGE AREA.--1,210 mi² (3,130 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 44.25 ft (13.487 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--41 years, 1,899 ft³/s (53.78 m³/s), 21.31 in/yr (541 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,000 ft³/s (1,610 m³/s) Feb. 23, 1961, gage height, 17.04 ft (5.194 m); minimum, 366 ft³/s (10.4 m³/s) Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft (0.21 m) Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 8,000 ft³/s (230 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. 2	1130	15,800 447	11.89 3.624	Feb. 4	0345	8,220 233	10.38 3.164
Jan. 27	2015	12,600 357	11.34 3.456	May 11	1945	*16,200 459	*11.95 3.642

Minimum discharge, 747 ft³/s (21.2 m³/s) Sept.26; gage height, 3.19 ft (0.972 m).

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	992	1100	7530	2920	3970	2160	1190	1060	1100	1440	1260	1640
2	985	1130	15000	2780	4850	1920	1160	1030	1170	1560	1020	1740
3	1010	1330	12900	2150	6990	1700	1130	2150	1620	1100	894	1460
4	1070	1630	10100	1790	8010	1800	1110	3970	2200	960	838	1110
5	1120	3430	7090	1610	6890	1640	1090	4050	3290	910	803	972
6	1110	5410	4060	1520	5600	1510	1070	3300	3340	907	784	903
7	1020	4970	2740	1490	3650	1590	1050	2430	2550	879	805	861
8	964	3530	2280	1830	2730	2450	1040	2830	2310	1450	876	831
9	982	2800	2090	2810	2390	2490	1030	6750	2730	980	1080	810
10	1030	3290	2070	3090	2180	1920	1010	12100	2550	920	1120	798
11	1670	2800	1950	2730	2030	1680	1090	15200	2100	863	1040	785
12	1830	1960	1810	2270	1900	1550	1590	13300	1780	925	1290	774
13	1710	1630	1730	2100	1870	1480	2370	6730	1510	894	1520	784
14	1500	1480	1950	1960	1990	1460	2650	3800	1420	860	3020	831
15	1320	1380	2600	1760	2020	1600	2060	3370	1280	850	2160	866
16	1170	1320	2970	1620	2180	1630	1660	3090	1160	840	1550	955
17	1070	1270	3170	1700	1960	1800	1450	2480	1090	840	1180	1050
18	1010	1230	3140	2100	1740	1620	1590	2300	1040	860	1010	966
19	973	1200	2690	2390	1620	1430	3300	2640	999	860	960	942
20	953	1200	2150	2880	1540	1350	3540	2520	968	870	990	862
21	935	1290	1850	2790	1490	1320	3040	2180	943	864	1000	812
22	921	2990	1650	2540	1450	1420	2160	1870	939	963	926	781
23	910	5100	1540	2280	1410	1390	1600	1650	1080	1370	900	760
24	976	5200	1480	2220	1370	1360	1380	1540	959	1240	860	784
25	1990	3760	1450	4150	1350	1660	1300	1440	999	1020	830	768
26	4340	2570	1410	7950	1350	1750	1370	1340	937	987	810	769
27	3710	1980	1360	12000	1390	1650	1290	1340	960	1410	800	775
28	1860	2140	1330	11900	1660	1510	1210	1310	922	1530	780	977
29	1440	3440	1380	10000	---	1370	1150	1380	878	1270	800	1060
30	1270	3680	2120	6990	---	1280	1090	1250	873	1380	850	908
31	1170	---	2760	4410	---	1230	---	1130	---	1430	1100	---
TOTAL	43011	76240	108350	110730	77580	50720	47770	111530	45697	33232	33856	28334
MEAN	1387	2541	3495	3572	2771	1636	1592	3598	1523	1072	1092	944
MAX	4340	5410	15000	12000	8010	2490	3540	15200	3340	1560	3020	1740
MIN	910	1100	1330	1490	1350	1230	1010	1030	873	840	780	760
CFSM	1.15	2.10	2.89	2.95	2.29	1.35	1.32	2.97	1.26	.89	.90	.78
IN.	1.32	2.34	3.33	3.40	2.39	1.56	1.47	3.43	1.40	1.02	1.04	.87

CAL YR 1977	TOTAL	843944	MEAN	2312	MAX	33900	MIN	628	CFSM	1.91	IN	25.95
WTR YR 1978	TOTAL	767050	MEAN	2102	MAX	15200	MIN	760	CFSM	1.74	IN	23.58

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.91	4.21	10.07	7.61	8.56	6.51	4.42	4.09	4.19	5.02	4.60	5.53
2	3.90	4.28	11.77	7.42	9.13	6.07	4.34	4.02	4.37	5.31	3.99	5.73
3	3.96	4.77	11.38	6.50	10.02	5.64	4.27	6.15	5.48	4.20	3.64	5.10
4	4.11	5.48	10.82	5.83	10.32	5.85	4.21	8.56	6.55	3.83	3.48	4.23
5	4.25	7.99	10.03	5.46	9.99	5.52	4.16	8.62	7.98	3.69	3.37	3.86
6	4.23	9.44	8.58	5.24	9.50	5.21	4.12	7.98	8.04	3.68	3.31	3.67
7	3.98	9.20	7.37	5.16	8.28	5.39	4.08	6.93	7.10	3.60	3.38	3.54
8	3.84	8.19	6.71	5.89	7.37	6.96	4.05	7.35	6.75	5.06	3.59	3.46
9	3.89	7.46	6.39	7.45	6.89	7.03	4.01	9.85	7.37	3.88	4.16	3.39
10	4.01	7.99	6.36	7.79	6.56	6.08	3.97	11.23	7.13	3.72	4.24	3.36
11	5.54	7.42	6.15	7.36	6.28	5.61	4.18	11.80	6.40	3.55	4.04	3.32
12	5.92	6.16	5.87	6.69	6.05	5.33	5.37	11.45	5.80	3.73	4.67	3.28
13	5.68	5.49	5.71	6.41	6.00	5.14	6.85	9.88	5.21	3.64	5.22	3.31
14	5.21	5.13	6.14	6.17	6.22	5.08	7.26	8.42	4.98	---	7.67	3.46
15	4.75	4.89	7.18	5.78	6.28	5.44	6.33	8.06	4.65	---	6.48	3.56
16	4.36	4.74	7.66	5.49	6.56	5.51	5.57	7.78	4.36	---	5.31	3.81
17	4.12	4.62	7.87	5.65	6.16	5.85	5.07	7.01	4.17	---	4.39	4.08
18	3.96	4.53	7.84	6.42	5.72	5.48	5.36	6.75	4.04	---	3.96	3.85
19	3.87	4.44	7.30	6.89	5.48	5.03	7.95	7.24	3.94	---	3.83	3.78
20	3.81	4.45	6.50	7.56	5.30	4.81	8.22	7.08	3.85	3.57	---	3.55
21	3.76	4.67	5.95	7.44	5.18	4.75	7.72	6.55	3.78	3.55	---	3.40
22	3.72	7.54	5.54	7.12	5.06	4.99	6.50	5.99	3.77	3.83	3.73	3.30
23	3.69	9.27	5.29	6.71	4.96	4.92	5.43	5.54	4.14	4.86	3.66	3.24
24	3.86	9.33	5.14	6.60	4.88	4.84	4.90	5.29	3.83	4.54	---	3.31
25	6.09	8.38	5.06	8.61	4.82	5.56	4.70	5.03	3.94	3.99	---	3.26
26	8.79	7.14	4.96	10.27	4.83	5.75	4.88	4.81	3.76	3.90	---	3.26
27	8.26	6.18	4.84	11.21	4.92	5.54	4.67	4.79	3.83	4.97	---	3.28
28	5.95	6.42	4.77	11.20	5.55	5.23	4.48	4.72	3.72	5.26	---	3.87
29	5.04	8.12	4.90	10.80	---	4.86	4.33	4.90	3.60	4.62	---	4.09
30	4.62	8.32	6.42	10.00	---	4.65	4.18	4.57	3.58	4.90	---	3.68
31	4.36	---	7.41	8.85	---	4.51	---	4.27	---	5.03	---	---
MEAN	4.69	6.54	7.03	7.34	6.67	5.46	5.19	6.99	5.01	---	---	3.75
MAX	8.79	9.44	11.77	11.21	10.32	7.03	8.22	11.80	8.04	5.31	7.67	5.73
MIN	3.69	4.21	4.77	5.16	4.82	4.51	3.97	4.02	3.58	---	---	3.24

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-55, 1965-68, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1974 to current year.

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

REMARKS.--Lower limit of conductivity sensor is 28 micromhos.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 402 micromhos July 11, 1976; minimum, 28 micromhos or lower several days in 1976, 1977 and 1978.

WATER TEMPERATURES: Maximum, 33.0°C June 26, 1977; minimum, 5.0°C Jan. 19, 20, 1977, Jan. 20, 21, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 173 micromhos Apr. 10; minimum, 28 micromhos or lower several days during spring.

WATER TEMPERATURES: Maximum, 31.0°C several days during summer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	HARD- NESS, DIS- SOLVED (MG/L AS CACO3)
OCT 12...	1100	1820	45	6.3	18.5	50	8	8.1	3.0	--	K2200	--
NOV 07...	1200	4970	40	6.1	17.5	60	10	7.6	1.3	1000	1900	8
DEC 15...	1020	2580	44	6.6	14.0	30	20	8.9	1.8	K3600	18000	8
JAN 27...	1100	12100	33	5.7	8.0	80	35	9.4	1.7	11000	12000	6
FEB 24...	1155	1370	46	6.4	10.5	10	5	9.6	1.1	K10	K10	8
MAR 15...	1030	1620	49	6.8	18.0	15	10	8.7	2.3	K260	--	12
APR 05...	1330	1080	44	6.4	22.0	10	4	7.5	.4	K80	K90	8
MAY 03...	1415	2690	30	6.1	21.0	50	30	7.0	3.9	9200	K22000	9
JUN 07...	0955	2610	44	5.8	--	75	30	7.2	1.4	200	--	8
JUL 19...	0920	8860	46	6.6	28.5	20	15	7.8	4.2	K780	3000	9
AUG 22...	1315	1390	45	5.7	28.5	15	4	7.0	--	--	600	9
SEP 06...	1245	898	50	6.3	26.5	15	10	7.6	2.0	--	--	9

DATE	HARD- NESS, NONCAR- BONATE, DIS- (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	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 12...	--	2.8	--	--	--	--	2.3	8	0	7	4.6	--
NOV 07...	3	1.8	.8	2.1	30	.3	2.1	6	0	5	2.4	5.5
DEC 15...	0	1.9	.9	3.7	44	.6	1.5	10	0	8	2.0	6.9
JAN 27...	3	1.6	.5	2.7	43	.5	1.9	4	0	3	5.6	4.0
FEB 24...	0	1.9	.8	4.5	51	.7	1.1	10	0	8	2.0	6.5
MAR 15...	4	3.0	1.0	4.4	42	.6	1.3	10	0	8	1.7	7.9
APR 05...	0	1.9	.9	4.3	48	.6	1.2	10	0	8	2.4	6.3
MAY 03...	5	2.3	.9	2.3	31	.3	1.2	6	0	5	4.0	4.0
JUN 07...	0	2.0	.7	4.0	45	.6	2.0	10	0	8	2.1	5.0
JUL 19...	0	1.5	1.2	4.0	45	.6	1.6	12	0	10	1.4	6.4
AUG 22...	0	2.0	.9	4.0	45	.6	1.4	11	0	9	.0	7.1
SEP 06...	0	2.2	.9	6.3	51	.8	1.7	12	0	10	2.6	7.1

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

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)
OCT 12...	.1	10	--	--	--	--	.31	--	--	.46	--	--
NOV 07...	.1	7.6	39	25	.05	523	.28	--	--	.41	--	--
DEC 15...	.1	11	35	33	.05	244	.33	.18	--	--	--	--
JAN 27...	.1	4.8	28	23	.04	915	.23	.08	.45	--	--	--
FEB 24...	.0	10	29	32	.04	107	.32	.08	--	--	--	.48
MAR 15...	.0	8.2	33	32	.04	144	.34	.30	.80	1.1	.10	1.0
APR 05...	.0	9.5	31	32	.04	90.4	.12	.08	.31	.39	.13	.26
MAY 03...	.0	6.0	20	24	.03	145	.24	.26	.63	.89	.44	.45
JUN 07...	.0	8.4	31	29	.04	218	.28	.06	1.1	1.2	.36	.84
JUL 19...	.0	11	35	34	.05	--	.51	.03	.55	.58	.21	.37
AUG 22...	.0	11	35	32	5.00	131	.24	.04	.44	.48	.00	.48
SEP 06...	.0	12	45	39	.06	109	.25	.03	.61	.64	.01	.63

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT 12...	.77	3.4	.12	--	6.6	--	--	--	63	82	403
NOV 07...	.69	3.1	.10	--	--	--	--	490	66	86	1150
DEC 15...	--	--	.09	.04	--	--	--	--	83	37	258
JAN 27...	.76	3.4	.14	.05	--	6.4	1.4	--	64	120	3920
FEB 24...	--	--	.05	.03	4.0	--	--	--	60	21	78
MAR 15...	1.4	6.4	.15	.14	4.0	--	--	5000	78	44	192
APR 05...	.51	2.3	.05	.00	--	3.8	.7	--	76	33	96
MAY 03...	1.1	5.0	.10	.02	8.9	--	--	1100	96	158	1150
JUN 07...	1.5	6.6	.12	.04	6.1	--	--	--	82	54	381
JUL 19...	1.1	4.8	.15	.03	--	6.6	1.1	--	94	32	33
AUG 22...	.72	3.2	.05	.01	3.9	--	--	--	98	62	233
SEP 06...	.89	3.9	.05	.05	5.2	--	--	--	--	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (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)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 12...	1	1	0	--	--	--	<10	<10	0	5
JAN 27...	1	0	1	100	0	100	0	0	0	10
APR 05...	4	1	3	300	300	0	1	0	1	0
JUL 19...	2	0	2	200	0	200	1	0	1	0

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

PEARL RIVER BASIN

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02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, 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)
OCT 12...	5	0	<50	<50	0	<10	<4	6	1100	900
JAN 27...	10	0	0	0	0	10	6	4	1800	1700
APR 05...	0	0	3	0	3	10	0	10	640	450
JUL 19...	0	0	2	0	2	8	3	5	810	550

DATE	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)	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 12...	200	<100	<100	0	<10	140	70	.0	.0	.0
JAN 27...	130	12	8	4	140	80	60	.1	.1	.0
APR 05...	190	3	1	2	60	0	60	.0	.0	.0
JUL 19...	260	9	4	5	100	40	60	.0	.0	.0

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (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)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 12...	0	0	0	--	--	--	20	10	10
JAN 27...	0	0	0	3	3	0	20	10	10
APR 05...	0	0	0	0	0	0	10	0	10
JUL 19...	0	0	0	1	1	0	20	10	10

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ATRA- ZINE, TOTAL (UG/L)	ATRA- ZINE, 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 07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 24...	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND

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

ND Material specifically analyzed for but not detected.

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	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)
NOV 07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 24...	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	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)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 24...	--	ND	--	ND	--	ND	ND	--	ND	--	ND	--

DATE	TOX- APHENE, 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-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T, TOTAL (UG/L)	2,4,5-T, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL COND. (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)
NOV 07...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 24...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

ND Material specifically analyzed for but not detected.

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	45	44	51	49	40	31	53	46	42	41	52	47
2	45	44	51	49	33	31	53	49	41	41	53	48
3	44	41	48	46	35	33	50	48	41	39	64	49
4	43	42	48	43	38	35	49	47	39	37	72	46
5	44	43	44	40	43	38	49	48	36	36	45	42
6	47	44	42	39	46	43	49	48	40	36	46	43
7	53	46	43	40	49	46	49	47	42	40	50	42
8	48	46	49	44	49	49	49	44	44	42	47	41
9	50	48	48	46	50	49	46	43	44	43	51	64
10	48	46	49	41	50	49	47	43	44	44	58	51
11	46	34	46	41	49	48	48	46	45	44	58	53
12	44	38	49	47	50	49	52	48	45	44	60	58
13	52	41	51	49	50	49	49	47	45	43	60	56
14	69	52	51	51	50	48	48	47	44	43	58	48
15	66	51	52	51	50	47	48	47	45	42	49	48
16	54	52	52	51	55	49	49	48	53	45	63	47
17	55	52	52	52	57	52	48	46	58	49	65	54
18	53	49	52	51	53	49	48	46	51	47	57	53
19	50	49	52	51	51	48	46	46	47	45	54	45
20	49	48	52	51	51	49	53	46	46	45	48	41
21	49	47	53	48	51	50	53	48	45	44	48	43
22	47	46	48	38	50	49	49	48	47	45	50	43
23	47	47	42	39	50	50	51	49	47	45	46	41
24	48	45	45	39	51	50	51	45	47	45	---	---
25	45	39	52	45	53	50	45	40	46	44	---	---
26	36	32	50	49	51	49	40	36	46	44	---	---
27	38	33	50	49	50	49	36	33	48	45	---	---
28	44	38	50	43	49	48	34	33	50	46	---	---
29	47	44	43	41	49	48	36	35	---	---	---	---
30	51	47	45	40	48	46	39	36	---	---	---	---
31	52	49	---	---	46	45	41	39	---	---	---	---
MONTH	69	32	53	38	57	31	53	33	58	36	72	41
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	81	49	66	57	41	37	54	48
2	---	---	---	---	61	43	68	62	44	41	51	41
3	---	---	---	---	63	60	68	40	46	43	42	39
4	---	---	---	---	67	61	79	38	46	44	44	40
5	106	42	41	39	62	54	41	38	46	42	48	42
6	124	76	44	38	58	51	42	41	44	42	56	47
7	152	118	47	41	69	57	42	39	45	42	59	54
8	167	147	45	31	76	68	43	40	45	43	60	57
9	172	161	29	---	82	75	44	39	46	41	62	59
10	173	163	---	---	86	80	42	39	48	40	63	60
11	173	167	---	---	---	---	45	41	55	47	62	49
12	167	164	---	---	---	---	43	39	50	43	48	46
13	157	147	---	---	---	---	43	39	45	40	49	46
14	140	106	28	---	---	---	44	39	46	40	52	48
15	113	105	28	---	---	---	43	39	38	33	54	50
16	112	107	30	---	---	---	42	38	47	37	54	52
17	113	105	39	28	---	---	43	36	52	45	53	51
18	108	103	60	37	---	---	39	36	53	47	57	51
19	96	43	75	52	---	---	42	37	53	45	60	55
20	44	30	---	---	---	---	43	41	59	50	63	58
21	42	35	---	---	---	---	44	39	53	46	63	61
22	---	---	---	---	---	---	44	38	74	51	63	62
23	---	---	---	---	---	---	39	36	84	68	63	62
24	---	---	---	---	---	---	52	38	90	78	62	61
25	---	---	---	---	---	---	42	39	91	81	60	59
26	---	---	---	---	---	---	42	37	91	84	60	58
27	---	---	---	---	63	53	38	35	84	65	58	57
28	---	---	---	---	52	46	44	37	66	61	56	53
29	---	---	---	---	58	44	44	35	66	58	51	42
30	---	---	---	---	64	58	38	34	---	---	48	43
31	---	---	---	---	---	---	37	36	---	---	---	---
MONTH	173	30	75	28	86	43	79	34	91	33	63	39

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.5	26.0	21.0	20.5	17.5	16.0	12.0	11.5	7.0	7.0	15.5	14.5
2	27.0	26.0	21.0	20.5	16.0	15.5	11.5	10.0	7.5	7.0	15.0	14.0
3	26.0	24.0	20.5	19.5	15.5	15.0	10.0	8.5	7.0	6.5	14.0	13.0
4	23.5	22.0	19.5	18.0	16.0	15.0	9.5	8.0	7.0	6.5	13.0	11.5
5	22.0	21.0	18.0	17.0	18.0	16.0	10.0	9.0	7.5	7.0	11.5	10.5
6	23.0	21.0	18.0	17.5	18.0	15.5	12.0	10.5	7.5	7.0	12.0	10.5
7	23.0	21.5	18.0	17.5	15.5	13.0	14.0	12.0	7.5	7.5	13.0	11.5
8	23.5	22.0	18.5	18.0	13.0	12.5	15.0	13.5	7.5	7.5	14.0	13.0
9	23.5	23.0	19.5	18.5	13.0	12.5	13.5	10.0	7.5	7.0	14.0	12.5
10	23.0	21.5	19.5	17.0	12.5	10.0	10.0	9.0	8.5	7.5	13.0	11.5
11	21.5	20.0	17.0	15.0	10.0	9.5	8.5	8.0	9.5	8.0	14.0	12.5
12	19.5	18.5	15.5	14.5	10.5	9.5	8.5	8.0	10.5	9.5	16.0	14.0
13	18.5	17.5	14.5	14.0	12.0	10.5	8.5	8.0	12.5	10.5	16.5	15.5
14	17.5	16.5	14.5	13.5	14.0	12.5	7.5	7.0	12.5	12.0	19.0	16.5
15	18.0	16.5	15.0	13.5	14.5	13.5	7.0	6.5	12.0	11.0	19.5	18.5
16	18.0	17.0	16.5	14.5	15.0	14.0	8.0	6.5	11.5	10.5	19.0	17.5
17	18.0	16.5	18.0	16.5	15.5	15.0	9.0	8.0	12.0	10.5	17.0	16.0
18	18.0	16.0	18.0	17.0	15.5	14.0	8.5	7.5	12.0	11.5	16.5	15.0
19	19.0	17.0	16.5	16.0	14.5	13.0	7.5	6.5	11.5	10.0	17.5	15.5
20	19.5	18.0	18.0	16.5	14.5	13.5	6.5	5.0	10.5	9.5	17.5	16.0
21	20.0	18.5	18.5	18.0	13.5	11.5	6.0	5.0	10.5	9.5	18.0	17.0
22	20.0	18.5	18.5	18.0	11.5	10.0	7.0	6.0	10.0	9.0	18.5	17.0
23	20.5	19.5	18.0	18.0	10.0	10.0	8.0	7.0	10.5	9.5	19.5	18.0
24	20.5	20.0	18.0	18.0	11.5	10.5	10.0	8.0	12.0	10.0	---	---
25	20.5	19.5	18.0	17.5	13.0	12.0	11.0	10.0	12.5	11.0	---	---
26	20.5	20.0	17.5	15.5	12.5	11.0	10.0	9.0	14.0	12.5	---	---
27	20.5	19.5	15.0	14.5	10.5	9.5	9.0	8.0	14.0	13.5	---	---
28	20.0	19.0	16.5	15.0	9.5	9.0	8.0	7.5	15.0	13.5	---	---
29	20.0	19.0	18.0	16.5	9.5	9.0	7.5	7.0	---	---	---	---
30	20.5	19.5	18.0	17.5	10.5	9.5	7.0	7.0	---	---	---	---
31	21.0	20.0	---	---	11.5	10.5	7.0	7.0	---	---	---	---
MONTH	27.5	16.0	21.0	13.5	18.0	9.0	15.0	5.0	15.0	6.5	19.5	10.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	27.0	25.5	28.5	27.0	28.0	26.0	28.0	26.5
2	---	---	---	---	26.5	26.0	29.0	27.0	29.5	27.0	28.0	26.5
3	---	---	---	---	26.0	24.5	30.0	27.0	31.0	28.0	27.0	26.5
4	---	---	---	---	25.0	24.0	31.0	28.5	31.0	28.5	27.5	26.0
5	24.0	21.5	---	---	25.5	24.5	31.0	28.5	31.0	28.5	29.0	26.5
6	22.5	21.5	20.5	20.0	25.5	25.0	30.5	28.5	31.0	28.5	28.5	26.5
7	23.0	21.5	20.5	20.5	25.0	24.5	30.0	28.5	29.5	28.0	28.0	26.5
8	24.0	22.0	22.0	20.5	26.0	25.0	30.0	28.0	27.5	26.5	27.5	26.5
9	23.0	22.5	22.5	21.5	26.5	25.5	30.0	28.0	26.5	26.0	27.0	26.0
10	23.0	22.0	22.0	21.5	27.0	26.0	29.5	28.0	26.5	25.0	27.0	25.5
11	22.5	20.0	22.0	21.5	26.5	25.5	29.5	28.0	27.5	25.5	27.5	26.0
12	20.0	17.5	22.0	21.5	26.5	25.5	30.5	28.0	26.5	25.0	27.5	26.5
13	18.0	17.0	23.0	22.5	27.5	26.0	31.0	28.5	26.5	25.5	27.0	26.0
14	19.0	18.0	23.0	22.0	27.5	26.0	30.5	28.5	26.0	25.5	27.0	26.0
15	20.5	18.5	23.0	22.0	27.5	26.0	30.0	28.5	25.5	24.0	26.5	25.5
16	21.0	20.0	23.0	22.0	27.5	26.0	29.5	27.5	27.5	25.5	27.0	25.5
17	22.0	20.5	23.0	21.5	28.0	26.0	29.5	28.0	28.0	26.5	27.0	25.5
18	23.0	21.5	22.0	21.0	28.5	27.0	30.0	28.0	28.5	27.0	27.5	26.0
19	22.5	21.0	24.0	22.0	28.5	26.5	29.5	28.0	29.5	27.0	27.5	26.5
20	21.5	20.5	25.0	23.5	29.0	27.0	30.0	28.0	---	---	28.0	26.5
21	---	---	25.5	24.5	29.0	26.5	28.5	27.5	---	---	28.0	26.5
22	---	---	25.5	24.5	30.0	27.0	27.5	26.5	---	---	28.0	26.0
23	---	---	25.5	24.5	30.0	28.0	26.0	25.0	---	---	28.0	26.5
24	---	---	26.0	24.5	30.5	27.5	26.5	25.0	27.0	25.0	27.5	26.0
25	---	---	27.0	25.0	30.0	27.0	28.5	25.5	28.0	26.0	27.0	25.5
26	---	---	26.5	25.5	30.0	27.5	28.5	27.0	28.0	26.0	26.0	25.5
27	---	---	26.5	25.0	30.0	28.0	26.5	25.5	27.5	26.5	26.0	25.0
28	---	---	26.5	25.0	31.0	28.5	26.5	24.5	27.0	26.0	25.0	24.5
29	---	---	26.5	25.0	30.5	28.5	27.5	25.5	---	---	24.0	23.5
30	---	---	26.5	25.0	30.0	28.5	26.5	26.0	---	---	24.5	23.0
31	---	---	27.0	25.5	---	---	27.0	26.5	---	---	---	---
MONTH	24.0	17.0	27.0	20.0	31.0	24.0	31.0	24.5	31.0	24.0	29.0	23.0

PEARL RIVER BASIN

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02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NOV. 7, 1977 1200 HOURS

PHYTOPLANKTON 490 CELLS/ML

__ORGANISM__NAME__	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	9	2
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..PENNALES		
...NAVICULACEAE		
....NAVICULA	9	2
....NEIDIUM	35	7
....PINNULARIA	18	4
...NITZSCHIAEAE		
....NITZSCHIA	35	7
CYANOPHYTA		
..CYANOPHYCEAE		
..HORMOGONALES		
...NOSTOCACEAE		
....APHANIZOMENON	370	76
PYRRHOPHYTA		
..DINOPHYCEAE		
..PERIDINIALES		
...PERIDINIAEAE		
....PERIDINIUM	9	2

MAR. 15, 1978 1030 HOURS

PHYTOPLANKTON 5,000 CELLS/ML

__ORGANISM__NAME__	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	68	1
....KIRCHNERIELLA	4,600	92
....SELENASTRUM	55	1
....TREUBARIA	14	0
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	14	0
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..PENNALES		
...FRAGILARIAEAE		
....SYNEDRA	55	1
...GOMPHONEMATACEAE		
....GOMPHONEMA	41	1
...NAVICULACEAE		
....NAVICULA	68	1
...NITZSCHIAEAE		
....NITZSCHIA	55	1
CYANOPHYTA		
..CYANOPHYCEAE		
..CHROCOCCALES		
...CHROCOCCAEAE		
....ANACYSTIS	55	1

MAY 3, 1978 1415 HOURS

PHYTOPLANKTON 1,100 CELLS/ML

__ORGANISM__NAME__	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	61	5
....DICTYOSPHAERIUM	180	16
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	30	3
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	61	5
....MELOSIRA	240	22
..PENNALES		
...CYMBELLACEAE		
....CYMBELLA	61	5
...NAVICULACEAE		
....NAVICULA	240	22
...NITZSCHIAEAE		
....NITZSCHIA	30	3
CYANOPHYTA		
..CYANOPHYCEAE		
..HORMOGONALES		
...OSCILLATORIAEAE		
....LYNGBYA	150	14
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	61	5

PEARL RIVER BASIN

02492600 PEARL RIVER AT PEARL RIVER, LA

LOCATION.--Lat 30°23'06", long 89°44'12", in NW¼ sec.6, T.8 S., R.15 E., St. Helena meridian, St. Tammany Parish, Hydrologic Unit 03180004, on left fender at downstream side of Southern Railway bridge over West Pearl River, 700 ft (213 m) upstream from Interstate Highway 59, and 0.8 mi (1.3 km) northeast of town of Pearl River.

DRAINAGE AREA.--8,590 mi² (22,250 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 0.36 ft (0.110 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers.

AVERAGE DISCHARGE.--7 years (1963-70) 9,470 ft³/s (268.2 m³/s), 14.97 in/yr (380 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 114,700 ft³/s (3,250 m³/s) Feb. 18, 1966, gage height, 17.61 ft (5.368 m); minimum daily, 1,580 ft³/s (44.7 m³/s) Oct. 24, Nov. 10, 1963. Maximum stage reported by National Weather Service, 18.6 ft (5.67 m) Mar. 16, 1921; maximum stage reported by the Southern Railway System, 19.7 ft (6.00 m) Apr. 19, 1900.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of 20.2 ft (6.16 m), furnished by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.32 ft (4.670 m) Feb. 5; minimum daily, 3.70 ft (1.128 m) Sept. 11, 12.

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	6.20	7.08	12.39	9.93	15.00	8.40	8.95	6.69	8.79	5.28	6.76	5.17
2	6.11	6.79	12.81	10.42	15.03	8.93	8.34	6.79	8.61	5.33	6.59	5.31
3	5.81	6.76	14.20	10.73	15.13	9.34	7.98	7.19	8.39	5.53	5.99	5.72
4	5.56	6.82	14.77	10.72	15.22	9.17	7.54	10.44	8.78	5.19	5.24	5.87
5	5.52	7.76	14.80	10.31	15.32	8.93	7.11	10.50	9.01	5.32	4.71	5.28
6	5.74	9.02	14.76	9.75	15.30	8.92	6.82	11.16	9.90	5.13	4.32	4.67
7	6.14	9.94	14.60	9.27	15.20	8.81	6.78	11.60	10.89	4.86	4.12	4.30
8	6.38	10.73	14.49	9.23	15.02	9.43	6.79	11.92	11.00	4.73	4.20	4.10
9	6.39	10.88	14.46	9.43	14.87	9.97	6.65	12.40	10.50	5.02	4.57	3.90
10	6.20	10.78	14.41	9.68	14.75	10.38	6.40	13.22	10.39	5.59	4.86	3.80
11	6.32	10.79	14.33	10.01	14.50	10.22	6.28	14.12	10.61	5.39	4.88	3.70
12	7.12	11.00	14.20	10.10	14.30	9.80	6.30	14.81	10.48	5.15	4.71	3.70
13	8.08	10.93	14.03	10.08	13.90	9.58	7.45	15.25	9.46	4.85	4.72	3.80
14	8.92	10.52	13.97	10.02	13.30	9.56	8.36	15.14	8.51	4.66	5.32	3.80
15	9.21	10.00	13.90	10.05	12.40	9.49	9.30	14.87	7.98	4.48	5.92	3.80
16	8.86	9.60	13.88	10.02	11.50	9.56	10.28	14.74	7.51	4.65	7.32	4.00
17	8.00	9.26	13.90	10.03	10.70	9.77	10.79	14.68	7.03	5.00	7.96	4.10
18	7.12	8.97	13.82	9.97	11.10	10.31	10.65	14.77	6.79	5.25	7.29	4.50
19	6.58	8.78	13.60	10.47	11.20	11.04	10.22	14.62	6.86	5.10	6.27	4.60
20	6.24	8.55	13.21	10.89	10.90	11.59	10.26	14.50	6.82	4.83	5.32	4.10
21	6.10	8.24	12.59	11.40	10.50	11.91	10.88	14.46	6.49	4.79	4.89	4.60
22	5.98	8.26	11.82	11.88	10.20	12.10	11.40	14.39	6.09	4.84	4.63	4.50
23	5.90	8.75	11.11	12.12	9.80	12.12	11.61	14.31	5.72	4.83	4.78	4.40
24	5.74	9.74	10.58	12.20	9.50	12.10	11.49	14.22	5.63	5.12	4.73	4.30
25	5.72	10.92	10.06	13.10	9.00	12.19	10.54	14.11	5.69	5.12	5.30	4.20
26	6.44	11.55	9.60	13.29	8.60	12.22	9.05	13.93	5.84	4.78	5.02	4.30
27	8.20	11.84	9.31	13.80	8.30	12.23	8.01	13.59	5.70	4.81	4.62	4.50
28	10.12	11.97	9.08	14.50	8.20	12.16	7.49	12.76	5.61	5.32	4.45	4.69
29	10.31	11.82	8.79	14.92	---	11.90	7.17	11.46	5.50	5.87	4.41	5.09
30	9.06	12.00	9.28	15.02	---	11.18	7.02	10.31	5.43	6.20	4.39	5.39
31	7.89	---	9.48	15.02	---	9.98	---	9.48	---	6.50	4.64	---
MEAN	7.03	9.67	12.65	11.24	12.46	10.43	8.60	12.66	7.87	5.15	5.26	4.47
MAX	10.31	12.00	14.80	15.02	15.32	12.23	11.61	15.25	11.00	6.50	7.96	5.87
MIN	5.52	6.76	8.79	9.23	8.20	8.40	6.28	6.69	5.43	4.48	4.12	3.70

NOTE.--Gage heights for Feb. 11 to Mar. 1, Sept. 6-27 are National Weather Service telemark readings.

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

LOCATION.--Lat 31°00'30", long 91°37'25", in lot 6, T.1 N., R.5 W., Wilkinson County, Hydrologic Unit 08060100, near left bank at Tarbert Landing, 2.5 mi (4.0 km) upstream from Lower Old River, 8.2 mi (13.2 km) downstream from inlet channel to Old River Control Structure, and at mile 306.3 (492.8 km).

DRAINAGE AREA.--1,128,900 mi² (2,924,000 km²), contributing.

PERIOD OF RECORD.--October 1972 to September 1977. Elevation, intermittently, 1932 to current year; discharge, intermittently, 1911 to 1913, 1928, 1929, and 1932 to 1936; and discharge computed daily since 1936 are in reports of Corps of Engineers.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

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

COOPERATION.--Records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--5 years, 525,200 ft³/s (14,870 m³/s), 380,536,000 acre-ft/yr (469 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,500,000 ft³/s (42,500 m³/s) May 16, 1973, elevation, 54.61 ft (16.645 m); minimum daily, 160,000 ft³/s (4,530 m³/s) Sept. 26, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed since at least 1936, 1,980,000 ft³/s (56,100 m³/s) Feb. 19, 1937; minimum, 85,000 ft³/s (2,410 m³/s) Nov. 4, 1939.

EXTREMES FOR CURRENT YEAR.--Water year 1977: Maximum daily discharge, 741,000 ft³/s (21,000 m³/s) Apr. 18; minimum daily, 158,000 ft³/s (4,470 m³/s) Oct. 4.

RECORDS FOR THE 1978 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 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165000	226000	185000	201000	223000	271000	593000	425000	239000	225000	240000	265000
2	162000	239000	183000	198000	222000	268000	613000	417000	241000	244000	233000	252000
3	159000	254000	186000	194000	222000	273000	627000	419000	240000	266000	227000	247000
4	158000	264000	190000	191000	217000	336000	647000	418000	245000	284000	215000	245000
5	170000	266000	191000	190000	209000	378000	677000	416000	246000	301000	213000	243000
6	187000	267000	194000	192000	200000	438000	695000	413000	246000	312000	205000	241000
7	203000	269000	196000	190000	193000	495000	698000	407000	238000	320000	199000	238000
8	212000	271000	199000	189000	186000	538000	690000	401000	232000	328000	196000	239000
9	214000	272000	204000	193000	179000	585000	683000	398000	229000	330000	188000	229000
10	213000	271000	210000	209000	174000	630000	677000	391000	227000	328000	177000	224000
11	215000	270000	215000	201000	172000	654000	676000	385000	222000	325000	173000	221000
12	218000	277000	217000	199000	173000	677000	677000	385000	218000	329000	173000	221000
13	215000	281000	218000	203000	174000	694000	683000	382000	216000	328000	173000	230000
14	208000	279000	216000	221000	173000	708000	692000	378000	208000	323000	171000	243000
15	204000	273000	218000	227000	176000	706000	705000	382000	204000	310000	171000	257000
16	206000	262000	226000	228000	183000	695000	720000	395000	200000	296000	175000	267000
17	210000	249000	219000	229000	190000	673000	736000	399000	196000	282000	180000	272000
18	215000	237000	224000	230000	193000	683000	741000	401000	193000	271000	196000	272000
19	221000	226000	229000	234000	197000	699000	723000	398000	193000	264000	221000	271000
20	224000	217000	230000	238000	202000	712000	714000	390000	196000	259000	239000	271000
21	230000	208000	254000	249000	209000	719000	730000	374000	202000	251000	259000	272000
22	249000	200000	270000	256000	223000	719000	741000	355000	205000	244000	274000	277000
23	261000	187000	265000	262000	246000	717000	735000	334000	204000	241000	291000	287000
24	267000	173000	258000	266000	265000	714000	720000	315000	197000	238000	307000	305000
25	265000	174000	251000	259000	276000	697000	698000	294000	192000	234000	315000	325000
26	256000	177000	245000	250000	280000	678000	642000	278000	193000	231000	319000	338000
27	254000	184000	234000	246000	281000	657000	580000	263000	184000	226000	313000	346000
28	266000	189000	229000	239000	277000	632000	514000	260000	201000	223000	307000	355000
29	250000	189000	226000	231000	---	603000	472000	248000	205000	222000	304000	361000
30	238000	186000	218000	227000	---	582000	445000	243000	212000	224000	294000	362000
31	230000	---	210000	223000	---	577000	---	234000	---	227000	279000	---
TOTAL	6745000	7037000	6810000	6865000	5915000	18408000	19944000	11198000	6436000	8486000	7227000	8176000
MEAN	217600	234600	219700	221500	211300	593800	664800	361200	214500	273700	233100	272500
MAX	267000	281000	270000	266000	281000	719000	741000	425000	246000	330000	319000	362000
MIN	158000	173000	183000	189000	172000	268000	445000	234000	192000	222000	171000	221000
AC-FT	13380000	13960000	13510000	13620000	11730000	36510000	39560000	22210000	12770000	16830000	14330000	16220000
CAL YR 1976	TOTAL	133211000	MEAN	364962	MAX	717000	MIN	158000	AC-FT	264200000		
WTR YR 1977	TOTAL	113247000	MEAN	310300	MAX	741000	MIN	158000	AC-FT	224600000		

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-77.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,290,000 tons (2,079,000 tonnes) Oct. 6, 1976; minimum daily, 24,000 tons (21,800 tonnes) Aug. 15, 1977.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
03...	262	285000	89
06...	2570	2290000	87
16...	160	122800	90
20...	262	217000	88
28...	342	368000	85
NOV			
10...	252	213000	90
17...	200	158000	89
25...	252	253000	83
DEC			
01...	162	144000	81
08...	251	250000	79
15...	255	292000	83
23...	242	246000	67
JAN			
05...	301	386000	77
13...	514	933000	67
19...	389	659000	68
26...	230	306000	75
FEB			
02...	327	364000	78
12...	392	519000	70
17...	223	215000	78
23...	337	410000	81
MAR			
08...	382	730000	77
18...	573	1090000	84
22...	373	642000	85
29...	285	424000	86
APR			
05...	426	726000	76
12...	249	408000	88
19...	254	327000	87
26...	227	220000	91
MAY			
24...	269	278000	91
JUN			
01...	234	227000	92
10...	209	225000	88
14...	213	222000	92
21...	240	177000	93
28...	252	223000	91
JUL			
06...	327	320000	93
12...	303	322000	92
19...	234	228000	93
26...	167	141000	95
AUG			
02...	158	113000	96
09...	169	121000	96
17...	126	72000	97
23...	128	69000	94
30...	168	89000	88
SEP			
09...	114	61000	90
13...	109	49000	98
23...	57	25000	100
30...	118	54000	81

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
04...	95	40000	82
12...	96	56000	96
18...	104	60000	93
26...	212	146000	95
NOV			
01...	153	93000	89
08...	164	120000	88
22...	106	57000	93
29...	137	70000	90
DEC			
06...	102	53000	94
14...	100	58000	88
20...	153	95000	88
27...	158	100000	92
JAN			
03...	110	58000	91
10...	502	283000	96
17...	248	153000	93
24...	180	129000	91
31...	136	82000	88
FEB			
07...	119	62000	89
14...	84	39000	95
28...	253	189000	88
MAR			
07...	726	969000	84
21...	368	714000	83
31...	291	453000	83
APR			
04...	282	492000	90
11...	364	664000	89
18...	288	575000	84
25...	339	638000	74
MAY			
02...	252	283000	89
19...	255	274000	93
23...	255	230000	95
JUN			
02...	185	120000	93
09...	203	125000	89
13...	278	162000	97
20...	196	104000	96
27...	181	96000	98
JUL			
05...	317	257000	96
11...	320	280000	95
21...	220	149000	88
25...	242	153000	90
AUG			
01...	168	109000	95
11...	107	50000	82
15...	53	24000	100
22...	131	97000	96
SEP			
06...	214	139000	90
12...	123	73000	93
19...	418	305000	95
29...	525	511000	94

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230000	439000	144000	310000	336000	765000	486000	287000	227000	278000	108000	67000
2	264000	404000	148000	299000	364000	752000	538000	298000	210000	291000	113000	59000
3	285000	365000	154000	315000	375000	757000	595000	311000	194000	296000	118000	59000
4	575000	339000	164000	343000	397000	758000	658000	324000	194000	302000	119000	59000
5	1160000	310000	178000	386000	427000	756000	726000	342000	191000	309000	121000	59000
6	2290000	297000	194000	461000	475000	749000	647000	340000	187000	320000	122000	58000
7	1890000	291000	215000	538000	516000	743000	572000	359000	197000	327000	121000	60000
8	1500000	257000	250000	596000	548000	730000	503000	386000	206000	347000	120000	61000
9	1140000	232000	278000	672000	564000	759000	482000	397000	215000	348000	121000	61000
10	777000	213000	313000	742000	567000	754000	461000	397000	225000	336000	116000	56000
11	520000	211000	336000	809000	550000	776000	436000	398000	234000	332000	110000	52000
12	355000	217000	333000	876000	519000	826000	408000	393000	239000	322000	104000	50000
13	245000	210000	325000	933000	441000	868000	396000	393000	234000	316000	96000	49000
14	168000	186000	306000	909000	369000	933000	401000	391000	222000	302000	89000	45000
15	134000	172000	292000	872000	307000	972000	406000	384000	220000	280000	81000	42000
16	122000	165000	290000	842000	254000	1040000	397000	368000	218000	263000	75000	39000
17	160000	158000	285000	799000	215000	1080000	380000	348000	213000	250000	72000	36000
18	180000	159000	282000	731000	221000	1090000	354000	340000	200000	236000	79000	35000
19	198000	159000	272000	659000	231000	954000	327000	332000	191000	228000	87000	34000
20	217000	161000	262000	562000	245000	828000	298000	319000	182000	213000	83000	32000
21	212000	168000	254000	478000	272000	724000	270000	291000	177000	199000	76000	30000
22	204000	184000	248000	413000	327000	642000	251000	277000	178000	188000	70000	27000
23	201000	208000	246000	368000	411000	586000	227000	275000	176000	179000	69000	25000
24	208000	234000	256000	337000	487000	537000	214000	278000	174000	167000	73000	28000
25	222000	253000	275000	316000	573000	507000	213000	279000	179000	154000	77000	30000
26	269000	245000	293000	306000	666000	484000	220000	285000	189000	141000	80000	32000
27	322000	229000	302000	315000	720000	456000	241000	293000	202000	128000	84000	36000
28	368000	208000	306000	316000	756000	437000	254000	291000	223000	118000	88000	43000
29	421000	185000	303000	312000	773000	424000	270000	278000	243000	108000	92000	48000
30	470000	162000	307000	310000	---	436000	282000	257000	261000	105000	89000	54000
31	464000	---	310000	313000	---	473000	---	241000	---	104000	77000	---
MONTH	508700	234000	262000	530300	445000	728900	397100	327500	206700	241500	94500	45500

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49000	93000	61000	65000	82000	196000	461000	287000	119000	136000	109000	136000
2	46000	102000	57000	62000	81000	208000	475000	283000	120000	162000	101000	129000
3	43000	113000	57000	58000	81000	233000	479000	287000	122000	195000	95000	129000
4	40000	120000	56000	69000	77000	371000	492000	286000	129000	225000	84000	132000
5	45000	120000	54000	84000	72000	500000	552000	285000	133000	257000	81000	136000
6	52000	120000	53000	105000	66000	713000	598000	282000	135000	273000	75000	139000
7	59000	120000	54000	127000	62000	969000	622000	275000	130000	283000	69000	125000
8	62000	120000	54000	155000	56000	1050000	628000	268000	126000	294000	66000	117000
9	61000	119000	59000	198000	50000	1150000	636000	265000	125000	294000	60000	100000
10	59000	117000	58000	283000	46000	1230000	645000	258000	135000	288000	53000	88000
11	58000	115000	60000	235000	43000	1230000	664000	251000	142000	280000	50000	79000
12	56000	119000	60000	206000	42000	1220000	636000	252000	150000	283000	42000	73000
13	57000	121000	60000	191000	41000	1190000	618000	249000	162000	277000	35000	92000
14	54000	118000	58000	201000	39000	1150000	606000	245000	145000	265000	29000	118000
15	53000	111000	63000	189000	43000	1060000	600000	250000	135000	242000	24000	152000
16	54000	102000	72000	170000	48000	958000	597000	267000	125000	218000	27000	190000
17	57000	92000	72000	153000	54000	840000	594000	273000	116000	197000	31000	228000
18	60000	82000	80000	145000	59000	804000	575000	277000	109000	180000	39000	265000
19	68000	75000	88000	140000	64000	781000	567000	274000	105000	169000	52000	305000
20	75000	68000	95000	136000	70000	753000	571000	274000	104000	160000	65000	305000
21	84000	62000	115000	138000	79000	714000	614000	263000	108000	149000	81000	1930000
22	105000	57000	129000	137000	94000	710000	651000	248000	110000	147000	97000	316000
23	123000	53000	125000	134000	118000	704000	661000	230000	108000	149000	113000	337000
24	138000	48000	119000	129000	143000	695000	656000	205000	100000	152000	130000	377000
25	146000	50000	113000	121000	162000	662000	638000	180000	94000	153000	142000	424000
26	146000	54000	108000	111000	175000	626000	558000	161000	94000	141000	151000	455000
27	139000	61000	100000	106000	185000	587000	471000	145000	96000	128000	152000	474000
28	146000	67000	93000	98000	189000	544000	384000	141000	103000	118000	152000	496000
29	126000	70000	88000	91000	---	496000	335000	129000	109000	111000	156000	511000
30	110000	65000	80000	86000	---	462000	306000	123000	119000	107000	152000	375000
31	100000	---	73000	82000	---	453000	---	115000	---	104000	144000	---
MONTH	79700	91100	77800	135600	82900	750300	563000	236400	120300	198000	85700	291100
YEAR	MAX	1930000	MIN	24000	MEAN	226700						

310801091430900 RED RIVER NEAR SIMMESPORT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 31°08'01", long 91°43'09", in sec.24, T.2 N., R.7 E., St. Helena Meridian, Avoyelles Parish-Concordia Parish line, Hydrologic Unit 08040301, 8.2 mi (13.2 km) northwest of Old River Control Structure, and 11.5 mi (18.5 km) north northeast of Simmesport at mile 16.0.

DRAINAGE AREA.--93,163 mi² (241,292 km²).

PERIOD OF RECORD.--Water year 1978.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1978.

WATER TEMPERATURES: April 1978 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,490 micromhos July 1, 1978; minimum daily, 142 micromhos May 27, 1978.

WATER TEMPERATURES: Maximum daily, 34.0°C July 14, 1978; minimum daily, 17.0°C Apr. 15, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, 0.7 UM-F (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 19...	1145	1000	8.1	20.5	25	35	8.9	1.8	50	K30	250
NOV 07...	1230	655	7.7	20.5	65	60	7.6	1.4	54	K500	150
DEC 08...	1530	305	7.5	13.0	160	80	8.7	2.2	K140	K330	69
JAN 13...	1200	517	7.5	8.0	55	55	11.0	2.5	K65	K700	130
FEB 13...	1615	218	7.2	6.0	50	55	11.2	2.6	K130	--	53
MAR 06...	1200	345	7.1	9.0	60	130	10.4	2.1	--	--	81
APR 11...	1500	200	7.3	20.0	70	75	7.3	.3	--	1200	60
MAY 05...	1240	324	7.4	21.5	55	30	7.0	2.2	K60	K90	81
JUN 02...	1600	181	6.6	26.5	40	60	5.1	2.0	K60	K60	44
JUL 14...	1045	1350	7.5	33.0	15	15	5.8	.3	--	K400	290
AUG 25...	1420	867	7.6	34.0	30	30	9.8	2.5	K5	--	190
SEP 22...	0930	729	6.8	29.0	60	30	6.8	1.4	360	3600	150

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)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 19...	120	68	19	120	51	3.3	4.4	160	0	130	110
NOV 07...	10	40	12	72	50	2.6	4.4	170	0	140	37
DEC 08...	17	19	5.3	32	48	1.7	4.2	63	0	52	28
JAN 13...	30	34	10	55	48	2.1	3.6	122	0	100	46
FEB 13...	23	15	3.8	21	45	1.3	2.3	36	0	30	25
MAR 06...	35	23	5.6	34	47	1.7	2.6	56	0	46	31
APR 11...	15	18	3.6	15	34	.8	2.2	54	0	44	15
MAY 05...	23	24	5.2	31	44	1.5	2.9	71	0	58	26
JUN 02...	11	12	3.4	16	42	1.1	2.6	40	0	33	15
JUL 14...	170	79	23	160	54	4.1	4.9	144	0	118	160
AUG 25...	63	50	15	96	52	3.1	3.8	155	0	127	67
SEP 22...	58	68	12	89	56	3.2	4.1	110	0	90	64

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

RED RIVER BASIN

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)
OCT 19...	190	.2	8.0	583	599	.79	.09	--	--	.69	--
NOV 07...	98	.3	8.6	356	356	.48	.34	--	--	.65	--
DEC 08...	49	.1	6.6	172	175	.23	.56	--	--	.00	--
JAN 13...	72	.1	8.3	299	289	.41	.28	.10	--	--	--
FEB 13...	32	.1	6.5	128	123	.17	.19	.09	.69	.78	.22
MAR 06...	52	.1	6.3	188	182	.26	.33	.20	.75	.95	.93
APR 11...	24	.1	6.2	116	111	.16	.38	.10	.51	.61	.05
MAY 05...	48	.1	6.7	172	179	.23	.31	.06	.62	.68	.00
JUN 02...	23	.1	6.7	114	99	.16	.23	.20	1.8	2.0	1.3
JUL 14...	250	.2	6.7	781	755	1.06	--	--	--	--	--
AUG 25...	150	.2	8.7	--	467	.60	.17	.20	.80	1.0	.39
SEP 22...	130	.2	5.0	1330	426	1.81	.25	.06	1.3	1.4	.51

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (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)	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)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI- MENT, SUS- PENDED (MG/L)
OCT 19...	--	.78	3.5	.11	--	6.6	--	--	--	90	89
NOV 07...	--	.99	4.4	.19	--	--	--	--	10000	--	--
DEC 08...	--	.56	2.5	.40	--	--	--	--	--	--	--
JAN 13...	1.1	--	--	.17	.08	--	7.4	1.8	--	97	137
FEB 13...	.56	.97	4.3	.15	.05	2.5	--	--	--	--	--
MAR 06...	.02	1.3	5.7	.26	.10	11	--	--	9200	--	--
APR 11...	.56	.99	4.4	.14	.03	--	8.2	2.8	--	--	--
MAY 05...	.68	.99	4.4	.11	.02	9.0	--	--	4400	94	118
JUN 02...	.71	2.2	9.9	.15	.08	13	--	--	--	95	98
JUL 14...	--	--	--	.09	--	--	5.9	.3	--	98	177
AUG 25...	.61	1.2	5.2	.13	.02	8.5	--	--	--	--	--
SEP 22...	.89	1.7	7.3	.14	.06	15	--	--	--	--	--

RED RIVER BASIN

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310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, SUS- PENDED 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)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 19...	2	1	1	--	--	--	<10	<10	0	10
JAN 13...	2	0	2	200	100	100	2	1	1	20
APR 11...	5	2	3	200	200	0	1	1	0	0
JUL 14...	4	0	4	400	0	400	3	0	3	10

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	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)
OCT 19...	5	5	<50	<50	0	<10	<7	3	1200	1200
JAN 13...	20	0	1	1	0	110	99	11	2600	2500
APR 11...	0	0	1	0	1	7	4	3	2900	2800
JUL 14...	10	0	0	0	0	7	2	5	2600	2600

DATE	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- ERABLE (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)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 19...	10	<100	<100	0	160	150	10	.0	.0	.0
JAN 13...	70	36	34	2	220	100	120	.4	.4	.0
APR 11...	80	4	0	4	90	90	0	.0	.0	.0
JUL 14...	40	9	6	3	180	90	90	.0	.0	.0

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 19...	0	0	0	--	--	--	30	0	30
JAN 13...	0	0	0	1	1	0	100	60	40
APR 11...	0	0	0	0	0	0	20	10	10
JUL 14...	1	1	0	0	0	0	20	0	20

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

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	286	167	1490	---	643
2							---	316	187	1250	---	721
3							---	362	200	1280	---	871
4							---	366	216	1260	---	958
5							---	326	253	1280	---	1020
6							198	314	244	1410	---	1030
7							199	349	225	1400	---	1180
8							241	267	225	1430	---	1200
9							205	350	250	1420	---	1270
10							203	346	270	1320	---	1250
11							230	293	233	1320	1100	1070
12							253	284	222	1280	982	953
13							204	212	217	1310	975	872
14							199	208	242	1200	937	833
15							211	176	256	1240	962	964
16							279	159	250	1270	992	952
17							273	151	728	1110	1050	711
18							302	149	1110	933	986	617
19							356	152	1200	1160	872	718
20							310	153	1130	945	1000	681
21							279	154	1190	854	1050	653
22							258	150	1190	934	1020	736
23							291	144	1210	919	810	722
24							316	145	1160	895	863	700
25							299	143	1220	885	891	679
26							286	143	1220	---	909	703
27							266	142	1250	---	1080	735
28							261	146	1350	---	1020	798
29							---	151	1250	---	1100	818
30							---	150	1520	---	831	944
31							---	156	---	---	763	---
MONTH							---	221	680	1190	---	867

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	26.0	26.0	28.0	---	26.0
2							---	20.0	26.0	29.0	---	27.0
3							---	21.0	26.0	31.0	---	28.0
4							---	20.0	25.0	29.0	---	27.0
5							---	19.0	30.0	33.0	---	25.0
6							22.0	22.0	30.0	29.0	---	28.0
7							22.0	23.0	27.0	30.0	---	28.0
8							19.0	25.0	26.0	28.0	---	27.0
9							23.0	23.0	25.0	26.0	---	28.0
10							23.0	20.0	26.0	31.0	---	28.0
11							21.0	22.0	25.0	28.0	30.0	26.0
12							22.0	21.0	26.0	31.0	27.0	28.0
13							22.0	21.0	25.0	26.0	28.0	28.0
14							20.0	20.0	24.0	34.0	29.0	27.0
15							17.0	21.0	24.0	30.0	28.0	27.0
16							24.0	23.0	27.0	30.0	32.0	27.0
17							20.0	26.0	26.0	30.0	27.0	27.0
18							20.0	21.0	26.0	28.0	32.0	30.0
19							22.0	27.0	25.0	29.0	29.0	29.0
20							22.0	26.0	26.0	30.0	26.0	28.0
21							20.0	28.0	29.0	27.0	32.0	27.0
22							20.0	23.0	28.0	29.0	28.0	28.0
23							21.0	21.0	27.0	30.0	30.0	27.0
24							19.0	25.0	30.0	27.0	29.0	25.0
25							20.0	23.0	26.0	30.0	30.0	24.0
26							19.0	25.0	28.0	---	29.0	25.0
27							21.0	25.0	30.0	---	28.0	---
28							22.0	24.0	28.0	---	28.0	25.0
29							---	27.0	30.0	---	28.0	25.0
30							---	26.0	30.0	---	26.0	27.0
31							---	25.0	---	---	27.0	---
MONTH							---	23.0	27.0	29.5	---	27.0

310235091432700 RED RIVER NEAR SIMMESPORT, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NOV. 7, 1977 1230 HOURS

MAY 8, 1978 1240 HOURS

PHYTOPLANKTON 10,000 CELLS/ML

PHYTOPLANKTON 4,400 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT	ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA			CHLOROPHYTA		
.CHLOROPHYCEAE			.CHLOROPHYCEAE		
..CHLOROCOCCALES			..CHLOROCOCCALES		
...CHARACIACEAE			...COELASTRACEAE		
....SCHROEDERIA	58	1	COELASTRUM	95	2
...OOCYSTACEAE			...OOCYSTACEAE		
....ANKISTRODESMUS	480	5	ANKISTRODESMUS	95	2
....KIRCHNERIELLA	39	0	OOCYSTIS	54	1
...OOCYSTIS	130	1	...SCENEDESMACEAE		
..SCENEDESMACEAE			SCENEDESMUS	220	5
...ACTINASTRUM	150	2	...OOCYSTACEAE		
...CRUCIGENIA	130	1	GLOEOACTINIUM	95	2
...SCENEDESMUS	190	2	CHRYSTOPHYTA		
...TETRASTRUM	77	1	.BACILLARIOPHYCEAE		
CHRYSTOPHYTA			..CENTRALES		
.BACILLARIOPHYCEAE			...COSCINODISCACEAE		
..CENTRALES			CYCLOTELLA	150	3
...COSCINODISCACEAE			MELOSIRA	1,100	25
....CYCLOTELLA	540	5	..PENNALES		
...MELOSIRA	540	5	...FRAGILARIACEAE		
..PENNALES			SYNEDRA	14	0
...ACHNANTHACEAE			...NAVICULACEAE		
...COCCONEIS	39	0	DIPLONEIS	14	0
...FRAGILARIACEAE			NAVICULA	14	0
....SYNEDRA	120	1	CYANOPHYTA		
...NAVICULACEAE			.CYANOPHYCEAE		
...GYROSIGMA	19	0	..CHROCCOCCALES		
...NAVICULA	77	1	...CHROCCOCCAEAE		
..NITZSCHIA			ANACYSTIS	1,700	38
...NITZSCHIA	58	1	...HORMOGONALES		
CHRYSTOPHYCEAE			...OSCILLATORIACEAE		
..CHRYSOMONADALES			LYNGBYA	290	6
...OCHROMONADACEAE			...OSCILLATORIA	600	13
....DINOBRYON	39	0	EUGLENOPHYTA		
CYANOPHYTA			.EUGLENOPHYCEAE		
.CYANOPHYCEAE			..EUGLENALES		
..CHROCCOCCALES			...EUGLENACEAE		
...CHROCCOCCAEAE			TRACHELOMONAS	27	1
...AGMENELLUM	2,100	20			
...HORMOGONALES					
...NOSTOCACEAE					
....ANABAENA	150	2			
...OSCILLATORIACEAE					
....LYNGBYA	270	3			
...OSCILLATORIA	5,000	49			
EUGLENOPHYTA					
.EUGLENOPHYCEAE					
..EUGLENALES					
...EUGLENACEAE					
....TRACHELOMONAS	39	0			

MAR. 6, 1978 1200 HOURS

PHYTOPLANKTON 9,200 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	53	1
....OOCYSTIS	110	1
...SCENEDESMACEAE		
....SCENEDESMUS	480	5
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	1,900	20
....MELOSIRA	1,200	13
..PENNALES		
...FRAGILARIACEAE		
....SYNEDRA	53	1
...GOMPHONEMACEAE		
....GOMPHONEMA	26	0
...NITZSCHIA		
....NITZSCHIA	190	2
CYANOPHYTA		
.CYANOPHYCEAE		
...HORMOGONALES		
...OSCILLATORIACEAE		
....LYNGBYA	420	5
...OSCILLATORIA	4,800	52

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°34'30", long 91°23'45", in lot 31, T.3 S., R.11 E., Pointe Coupee-West Feliciana Parish line, Hydrologic Unit 08070100, at State Highway 10 Ferry Crossing, 2.0 mi (3.2 km) southwest of St. Francisville, and at mile 266.0 (428.0 km).

DRAINAGE AREA.--1,129,300 mi² (2,924,900 km²), contributing.

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

PERIOD OF DAILY RECORD.--

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

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

SULFATE: October 1974 to current year.

CHLORIDE: October 1974 to current year.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, MS (station 07295100).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 683 micromhos Oct. 16, 1955; minimum, 173 micromhos Apr. 15, 1955.

WATER TEMPERATURES: Maximum, 31.0°C on several days during July, August 1955, August 1956, July 1962, July 1965, July, August 1966, July 1977, July 14, 1978; minimum, 1.0°C Jan. 29, 30, 1961.

SULFATE: Maximum, 90 mg/L Oct. 14, 1957; minimum, 21 mg/L May 20, 1978.

CHLORIDE: Maximum, 63 mg/L July 5, 1977; minimum, 10 mg/L Apr. 16, 17, 19-21, 1975.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 478 micromhos July 1, 2, 3, 4; minimum, 254 micromhos Feb. 13.

WATER TEMPERATURES: Maximum, 31.0°C July 14; minimum, 2.0°C Feb. 9, 10.

SULFATE: Maximum, 70 mg/L Sep. 15; minimum, 21 mg/L May 20.

CHLORIDE: Maximum, 40 mg/L June 29, 30, July 1; minimum, 11 mg/L Dec. 17.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, 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)	STREP- TOCOCCI KOF AGAR (COLS. PER 100 ML)
OCT 18...	1100	385	7.9	18.0	20	70	8.2	31	1.4	--	K190	K90
NOV 07...	1600	410	7.7	17.5	40	85	8.8	34	3.2	--	270	--
DEC 08...	1115	285	8.0	9.5	10	25	10.4	34	1.7	1300	280	840
JAN 13...	1600	377	7.8	3.5	5	50	12.7	24	3.8	K2000	K300	K1400
FEB 13...	1100	245	7.8	3.0	40	60	12.4	32	3.8	K1000	220	4700
MAR 06...	1545	354	7.4	7.0	10	50	12.1	18	3.3	5200	3500	3700
APR 25...	1030	357	7.9	17.0	15	80	8.6	29	.7	--	--	10
MAY 08...	1100	366	7.7	16.5	10	120	8.4	31	1.0	2800	K80	--
JUN 05...	1100	367	7.6	24.5	30	65	6.8	21	1.6	K360	K60	65
JUL 12...	1300	448	7.5	31.0	20	80	6.9	25	.0	K2800	110	150
AUG 15...	1030	422	7.5	29.0	15	70	6.9	23	1.2	4000	230	660
SEP 14...	1000	425	7.8	28.5	10	30	7.6	22	1.1	540	K10	360

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS, DIS- SOLVED (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE, DIS. (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	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY, TOTAL (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)
OCT 18...	140	43	38	12	18	21	.7	3.9	118	0	97	55
NOV 07...	170	45	44	14	23	23	.8	3.5	152	0	125	55
DEC 08...	120	31	33	9.1	11	16	.4	3.1	108	0	89	37
JAN 13...	160	47	42	13	--	--	--	--	138	0	113	45
FEB 13...	100	34	28	7.6	--	--	--	--	80	0	66	34
MAR 06...	140	34	37	11	--	--	--	--	126	0	103	41
APR 25...	150	47	40	11	--	--	--	--	125	0	103	41
MAY 08...	160	49	40	14	--	--	--	--	132	0	108	42
JUN 05...	150	49	41	12	--	--	--	--	126	0	103	47
JUL 12...	160	55	44	13	--	--	--	--	128	0	105	56
AUG 15...	160	50	44	13	--	--	--	--	134	0	110	56
SEP 14...	160	46	41	13	--	--	--	--	134	0	110	66
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	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)
OCT 18...	21	.2	6.3	207	213	.28	184	<1.0	1.2	.01	1.2	--
NOV 07...	22	.3	8.0	247	245	.34	187	<1.0	1.5	.01	1.5	--
DEC 08...	14	.2	7.1	181	168	.25	168	<1.0	1.2	.01	1.2	--
JAN 13...	16	--	--	--	--	--	98	<1.0	2.0	.04	2.0	.07
FEB 13...	14	.1	--	--	--	--	328	<1.0	.98	.02	1.0	.16
MAR 06...	21	.2	--	--	--	--	128	<1.0	1.1	.02	1.1	.14
APR 25...	21	.1	--	--	--	--	254	<1.0	1.8	.05	1.8	.08
MAY 08...	17	.1	--	--	--	--	228	<1.0	2.0	.03	2.0	.08
JUN 05...	18	.1	--	--	--	--	102	<1.0	1.8	.01	1.8	.01
JUL 12...	26	.3	--	--	--	--	218	<1.0	1.3	.00	1.3	.00
AUG 15...	20	.3	--	--	--	--	308	<1.0	1.5	.04	1.5	.17
SEP 14...	20	.2	--	--	--	--	56	<1.0	.60	.00	.60	.00

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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. (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)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)
OCT 18...	--	.58	.16	.42	1.8	7.9	.27	--	3	1	2	--
NOV 07...	--	.71	.00	.71	2.2	9.8	.30	--	3	2	1	--
DEC 08...	--	.50	.06	.44	1.7	7.5	.25	--	3	2	1	--
JAN 13...	.71	.78	.56	.22	2.8	12	.17	.08	2	1	1	--
FEB 13...	.75	.91	.49	.42	1.9	8.5	.34	.24	3	2	1	100
MAR 06...	.42	.56	.40	.16	1.7	7.3	.25	.13	2	1	1	100
APR 25...	.90	.98	.15	.83	2.8	12	.28	.06	3	2	1	200
MAY 08...	.88	.96	.61	.35	3.0	13	.29	.05	3	2	1	100
JUN 05...	.70	.71	.00	.71	2.5	11	.05	.05	3	1	2	200
JUL 12...	.83	.83	.01	.82	2.1	9.4	.19	.07	6	4	2	300
AUG 15...	.80	.97	.05	.92	2.5	11	.34	.11	4	2	2	300
SEP 14...	1.8	1.8	1.3	.47	2.4	11	.16	.02	3	1	2	100

DATE	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	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, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)
OCT 18...	--	--	10	0	10	10	10	0	30	5	0
NOV 07...	--	--	0	0	0	0	0	0	4	--	0
DEC 08...	--	--	0	0	0	0	0	0	0	--	0
JAN 13...	--	100	0	0	0	2	2	0	0	0	0
FEB 13...	100	0	0	0	0	1	1	0	10	0	0
MAR 06...	100	0	10	0	10	1	0	1	20	0	0
APR 25...	100	100	0	0	0	1	0	1	0	0	0
MAY 08...	100	0	5	5	0	7	4	3	20	0	0
JUN 05...	0	200	5	5	0	3	2	1	10	10	0
JUL 12...	0	300	0	0	0	8	7	1	10	0	0
AUG 15...	100	200	0	0	0	2	1	1	10	0	0
SEP 14...	0	100	10	10	0	1	1	0	10	10	0

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, 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 18...	<50	<50	0	20	16	4	5800	5800	10	<100	<100	0
NOV 07...	--	--	--	18	8	10	--	--	10	16	15	1
DEC 08...	--	--	--	16	12	4	--	--	50	8	8	0
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 13...	2	2	0	16	11	5	3800	3800	20	16	14	2
FEB 13...	3	3	0	14	12	2	10000	10000	30	16	13	3
FEB 13...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	4	4	0	79	68	11	3700	3600	130	45	37	8
APR 25...	3	3	0	15	6	9	7400	7400	20	12	12	0
MAY 08...	3	3	0	27	20	7	6000	6000	20	21	16	5
MAY 08...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 05...	2	2	0	24	18	6	3900	3900	30	12	10	2
JUL 12...	4	3	1	29	24	5	6300	6300	40	13	10	3
AUG 15...	2	2	0	23	14	9	5500	5500	20	14	11	3
SEP 14...	1	1	0	12	0	12	720	700	20	5	2	3

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)	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)
OCT 18...	260	250	10	.0	.0	.0	<50	<50	0	0	0	0
NOV 07...	--	--	--	.0	.0	.0	14	12	2	1	1	0
DEC 08...	--	--	--	.1	.1	.0	16	15	1	0	0	0
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 13...	200	190	10	.0	.0	.0	13	10	3	1	1	0
FEB 13...	380	370	10	.1	.1	.0	18	15	3	1	1	0
FEB 13...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	150	130	20	.0	.0	.0	72	68	4	0	0	0
APR 25...	320	310	10	.0	.0	.0	14	14	0	0	0	0
MAY 08...	30	20	10	.0	.0	.0	8	4	4	0	0	0
MAY 08...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 05...	210	190	20	.0	.0	.0	7	3	4	0	0	0
JUL 12...	320	310	10	.0	.0	.0	13	11	2	1	1	0
AUG 15...	410	390	20	.1	.1	.0	12	8	4	1	0	1
SEP 14...	40	40	0	.0	.0	.0	3	0	3	0	0	0

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE D RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D 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- PENDE D TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 18...	--	--	--	1.8	40	20	20	6.8	--	--	.00	4
NOV 07...	--	--	--	.4	30	10	20	6.9	--	--	.00	4
DEC 08...	--	--	--	.3	40	30	10	6.8	--	--	.00	7
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 13...	--	--	0	--	40	20	20	4.9	3.8	1.6	.00	2
FEB 13...	0	0	0	.0	70	60	10	7.3	--	--	.00	1
FEB 13...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	0	0	0	.0	40	30	10	5.1	--	--	.00	2
APR 25...	0	0	0	1.0	40	30	10	9.2	4.5	3.1	.00	4
MAY 08...	0	0	0	.0	20	10	10	9.7	5.9	--	.00	2
MAY 08...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 05...	200	0	0	.0	40	20	20	6.2	--	--	.00	4
JUL 12...	1	1	0	2.1	40	30	10	6.5	--	--	.00	1
AUG 15...	0	0	0	.0	40	0	40	8.8	--	--	.00	0
SEP 14...	0	0	0	2.4	30	0	30	9.2	--	--	.00	1

DATE	OIL AND GREASE (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)	AROCLOR TOTAL 1254 PCB SERIES (UG/L)	ATRA- ZINE, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	ATRA- ZINE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 18...	0	--	--	--	--	--	--	--	--	--	--	--
NOV 07...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
DEC 08...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
DEC 08...	--	--	ND	--	ND	ND	.0	ND	ND	ND	ND	ND
JAN 13...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
FEB 13...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
FEB 13...	--	ND	--	--	ND	--	--	ND	ND	--	--	ND
MAR 06...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
APR 25...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
MAY 08...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
MAY 08...	--	ND	--	--	ND	--	--	--	ND	--	--	ND
JUN 05...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
JUL 12...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
AUG 15...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00
SEP 14...	0	.0	--	.00	.00	--	--	--	.0	--	--	.00

ND Material specifically analyzed for but not detected.

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	P,P', DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT											
18...	--	--	--	--	--	--	--	--	--	--	--
NOV											
07...	--	.00	--	.00	--	--	.01	--	.00	--	.00
DEC											
08...	--	.00	--	.00	--	--	.00	--	.00	--	.00
08...	ND	ND	ND	ND	--	ND	ND	ND	ND	.3	--
JAN											
13...	--	.00	--	.00	--	--	.02	--	.00	--	.00
FEB											
13...	--	.00	--	.00	--	--	.02	--	.00	--	.00
13...	--	ND	--	ND	--	--	ND	--	ND	--	--
MAR											
06...	--	.00	--	.00	--	--	.00	--	.00	--	.00
APR											
25...	--	.00	--	.00	--	--	.00	--	.00	--	.00
MAY											
08...	--	.00	--	.00	--	--	.00	--	.00	--	.00
08...	--	ND	--	--	.02	--	ND	--	ND	--	--
JUN											
05...	--	.00	--	.00	--	--	.01	--	.00	--	.00
JUL											
12...	--	.00	--	.00	--	--	.01	--	.00	--	.00
AUG											
15...	--	.00	--	.00	--	--	.00	--	.00	--	.00
SEP											
14...	--	.00	--	.00	--	--	.01	--	.00	--	--

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV										
07...	.00	--	.00	--	.00	--	.00	--	.00	--
DEC										
08...	.00	--	.00	--	.00	--	.00	--	.00	--
08...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JAN										
13...	.00	--	.00	--	.00	--	.00	--	.00	--
FEB										
13...	.00	--	.00	--	.00	--	.00	--	.00	--
13...	ND	--	ND	--	ND	--	ND	--	ND	--
MAR										
06...	.00	--	.00	--	.00	--	.00	--	.00	--
APR										
25...	.00	--	.00	--	.00	--	.00	--	.00	--
MAY										
08...	.00	--	.00	--	.00	--	.00	--	.00	--
08...	ND	--	ND	--	ND	--	ND	--	ND	--
JUN										
05...	.00	--	.00	--	.00	--	.00	--	.00	--
JUL										
12...	.00	--	.00	--	.00	--	.00	--	.00	--
AUG										
15...	.00	--	.00	--	.00	--	.00	--	.00	--
SEP										
14...	.00	--	.00	--	.00	--	.00	--	.00	--

ND Material specifically analyzed for but not detected.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)
NOV 07...	.00	--	.00	--	.00	--	.00	--	.00	.00
DEC 08...	.00	--	.00	--	.00	--	.00	--	.00	.00
08...	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
JAN 13...	.00	--	.00	--	.00	--	.00	--	.00	.00
FEB 13...	.00	--	.00	--	.02	--	.00	--	.00	.00
13...	ND	--	ND	--	ND	--	ND	--	--	ND
MAR 06...	.00	--	.00	--	.00	--	.00	--	.00	.00
APR 25...	.00	--	.00	--	.00	--	.00	--	.00	.00
MAY 08...	.00	--	.00	--	.00	--	.00	--	.00	.00
08...	ND	--	ND	--	ND	--	ND	--	--	ND
JUN 05...	.00	--	.00	--	.00	--	.00	--	.00	.00
JUL 12...	.02	--	.00	--	.00	--	.00	--	.00	.01
AUG 15...	.00	--	.00	--	.00	--	.00	--	.00	.00
SEP 14...	.00	--	.00	--	.00	--	.00	--	.00	.00

DATE	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-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 07...	--	.00	0	--	.00	--	.01	--	.01	--
DEC 08...	--	.00	0	--	.00	--	.00	--	.02	--
08...	ND	--	ND	ND	ND	ND	ND	ND	ND	ND
JAN 13...	--	.00	0	--	.00	--	.03	--	.01	--
FEB 13...	--	.00	0	--	.00	--	.04	--	.01	--
13...	--	--	ND	--	ND	--	ND	--	ND	--
MAR 06...	--	.00	0	--	.00	--	.10	--	.05	--
APR 25...	--	.00	0	--	.00	--	.04	--	.01	--
MAY 08...	--	.00	0	--	.00	--	.04	--	.01	--
08...	--	--	ND	--	ND	--	--	--	--	--
JUN 05...	--	.00	0	--	.00	--	.03	--	.01	--
JUL 12...	--	.00	0	--	.00	--	.01	--	.00	--
AUG 15...	--	.00	0	--	.00	--	.01	--	.01	--
SEP 14...	--	.00	0	--	.00	--	1.5	--	.04	--

ND Material specifically analyzed for but not detected.

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL COUL- SON COND. (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	SEDI- MENT, SUS- PENDE (MG/L)	SEU. SUSP. SIEVE DIAM. % FINER THAN .062 MM	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
NOV 07...	.01	--	--	--	--	--	--	--	7700
DEC 08...	.00	--	--	--	--	--	--	--	--
08...	ND	ND	ND	ND	--	--	--	--	--
JAN 13...	.00	--	--	--	1.18	1.65	--	--	--
FEB 13...	.00	--	--	--	--	--	--	--	--
13...	ND	--	ND	--	--	--	--	--	--
MAR 06...	.00	--	--	--	--	--	--	--	1200
APR 25...	.00	--	--	--	--	--	--	--	--
MAY 08...	.00	--	--	--	--	--	--	--	670
08...	--	--	--	--	--	--	--	--	--
JUN 05...	.01	--	--	--	--	--	247	79	--
JUL 12...	.01	--	--	--	--	--	359	85	--
AUG 15...	.00	--	--	--	--	--	367	94	--
SEP 14...	.00	--	--	--	--	--	159	91	--

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of volatile organic compounds. Techniques and methodology are discussed in the Introduction.

COMPOUND	CONCENTRATION (UG/L)
OCTOBER 18, 1978 1100 HOURS	
VOLATILE	NONE DETECTED

ND Material specifically analyzed for but not detected.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)* WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	397	315	334	275	353	308	382	338	478	413	419
2	338	397	308	337	276	352	305	382	345	478	413	422
3	344	397	299	337	283	352	302	371	358	478	413	435
4	347	395	299	349	290	353	297	371	365	478	411	433
5	349	395	298	356	280	354	298	361	367	458	410	452
6	358	397	296	355	277	354	298	367	366	460	412	441
7	362	390	294	356	278	355	303	366	369	462	430	442
8	362	391	291	359	288	371	308	372	368	448	432	432
9	362	390	287	362	289	370	313	372	369	441	446	434
10	358	366	281	364	289	369	312	373	370	432	429	421
11	359	360	286	366	270	364	313	374	370	432	392	414
12	360	363	291	374	258	365	316	375	375	---	390	415
13	361	366	290	379	254	365	316	360	377	431	422	429
14	365	---	296	366	255	359	317	341	392	448	423	429
15	372	349	283	360	290	359	321	331	392	448	422	430
16	374	353	281	353	289	360	327	318	404	440	426	415
17	375	314	280	352	305	359	332	319	406	405	437	417
18	374	315	278	359	319	349	336	320	412	406	438	423
19	378	323	275	315	321	349	336	317	410	419	415	422
20	378	326	275	314	327	346	336	307	410	421	415	446
21	386	335	281	313	332	336	358	309	386	424	409	449
22	393	347	278	309	333	336	357	304	387	423	412	431
23	388	353	297	303	336	336	366	305	388	423	410	432
24	375	367	295	304	339	333	365	301	387	403	409	432
25	372	366	312	279	339	340	365	302	399	404	416	425
26	376	352	313	280	342	334	360	306	397	407	420	424
27	378	342	312	280	343	320	361	311	439	406	420	417
28	373	339	315	288	353	321	360	313	440	403	423	419
29	373	346	322	291	---	309	371	319	475	405	422	436
30	390	318	327	292	---	311	373	318	476	412	407	430
31	395	---	339	276	---	311	---	339	---	413	407	---
MONTH	368	360	297	331	301	347	331	339	391	433	418	429
YEAR	MAX	478	MIN	254	MEAN	362						

TEMPERATURE (DEG. C) OF WATER* WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	17.5	13.0	6.0	3.0	6.0	10.0	16.5	23.0	29.0	29.5	28.0
2	25.0	17.5	12.0	5.5	3.0	6.5	10.0	16.5	23.5	29.0	30.0	28.0
3	23.5	17.5	11.5	5.0	3.0	6.0	10.0	16.0	23.5	29.0	30.0	27.5
4	23.0	17.0	11.5	5.0	3.0	6.0	10.5	16.0	23.5	29.0	30.0	27.5
5	23.0	17.0	11.5	5.5	3.0	6.0	11.0	16.0	23.5	29.5	30.0	27.5
6	23.0	17.0	11.0	6.0	3.0	6.0	12.0	16.0	23.5	29.5	29.5	27.5
7	23.0	17.0	10.0	6.0	3.0	6.0	12.5	16.5	23.5	29.5	29.0	27.0
8	23.0	17.0	10.0	5.5	2.5	5.5	13.0	16.5	24.0	29.5	29.0	27.0
9	23.0	17.0	9.5	5.0	2.0	5.5	14.0	17.0	25.0	29.5	28.5	27.0
10	22.0	16.5	8.5	4.5	2.0	6.0	14.5	17.5	25.0	29.5	28.5	27.0
11	21.0	16.5	9.0	5.0	2.5	6.0	14.5	18.0	25.0	30.0	28.5	27.5
12	20.0	16.5	9.0	4.5	3.0	6.5	15.0	18.5	25.5	---	28.5	27.5
13	19.5	16.5	8.0	4.0	3.0	7.0	15.0	18.5	25.5	30.0	29.0	27.0
14	19.0	---	8.0	4.5	3.0	7.0	15.5	18.5	25.5	31.0	29.0	27.0
15	19.0	16.0	8.0	4.5	3.5	7.5	16.5	19.0	26.0	30.5	28.5	27.0
16	19.0	16.0	8.0	5.0	3.5	8.0	17.0	19.0	26.0	30.0	29.0	27.0
17	19.0	16.0	7.5	4.5	4.0	8.0	17.0	19.5	25.5	30.0	29.0	27.0
18	19.0	16.0	7.5	3.0	4.0	8.0	17.0	19.5	26.5	30.0	29.0	27.0
19	18.0	16.0	7.5	3.0	4.0	8.0	17.0	19.0	26.5	29.5	29.0	27.0
20	18.0	16.0	8.0	3.0	4.0	8.5	17.0	19.5	26.5	29.5	29.0	27.5
21	17.0	16.0	---	3.0	4.0	8.5	17.0	20.0	27.0	29.0	29.0	27.5
22	17.0	15.0	7.5	4.0	4.0	9.0	17.0	20.0	27.0	29.0	29.0	27.0
23	17.0	15.0	---	4.0	4.5	9.0	17.5	20.0	27.5	28.5	29.0	27.0
24	17.0	15.0	7.5	4.0	4.0	9.0	17.5	20.0	28.0	28.5	29.0	27.0
25	17.0	14.5	7.0	4.0	4.0	---	17.5	20.0	28.0	28.5	29.0	27.0
26	17.0	14.5	7.0	3.5	5.0	9.0	17.0	20.5	28.0	28.5	30.0	27.0
27	17.0	14.0	6.5	3.5	5.0	9.0	16.5	21.0	28.0	28.5	29.5	26.0
28	17.5	14.0	6.0	4.0	5.5	9.0	16.5	21.5	28.0	28.5	29.0	25.0
29	17.5	14.0	6.5	3.0	---	9.0	16.5	21.5	28.0	28.5	29.0	---
30	17.5	13.5	6.5	3.0	---	9.0	16.5	22.0	28.0	29.0	29.0	25.0
31	17.5	---	6.5	3.0	---	9.0	---	22.5	---	29.5	28.5	---
MONTH	20.0	16.0	8.5	4.5	3.5	7.5	15.0	19.0	26.0	29.5	29.0	27.0
YEAR	MAX	31.0	MIN	2.0	MEAN	17.0						

MISSISSIPPI RIVER MAIN STEM

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

DISSOLVED SULFATE (SO4), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	52	46	43	37	42	36	46	41	45	51	62
2	39	50	44	42	37	39	39	46	44	48	52	61
3	44	54	43	47	39	43	39	44	38	51	47	63
4	33	53	53	46	38	42	36	47	48	50	52	63
5	41	53	44	46	37	44	38	46	48	54	52	67
6	47	54	41	46	35	45	36	41	47	52	54	65
7	43	48	45	45	38	42	38	44	47	56	59	64
8	47	52	35	44	39	43	37	43	49	58	58	66
9	46	49	36	45	41	43	38	43	48	54	53	66
10	49	47	37	44	40	45	37	47	45	55	59	66
11	49	45	39	44	39	43	39	47	45	55	54	63
12	50	45	44	44	39	43	39	41	45	---	50	57
13	50	46	43	44	21	33	40	38	45	52	60	68
14	51	---	42	46	32	34	41	40	45	56	59	69
15	57	48	37	40	38	40	38	39	45	59	60	70
16	55	43	37	43	36	36	38	40	51	56	59	65
17	57	43	37	37	40	44	43	40	50	53	64	65
18	69	39	36	45	40	47	37	40	53	52	65	56
19	46	37	37	40	41	44	41	39	52	57	60	62
20	45	43	37	42	42	45	39	21	51	57	60	62
21	43	44	37	45	40	45	39	26	45	58	60	63
22	44	41	36	41	41	46	31	31	49	58	59	60
23	56	48	36	40	41	36	39	33	50	50	60	59
24	50	48	39	40	41	39	39	33	48	49	59	60
25	59	48	40	41	41	45	43	36	45	53	60	58
26	53	44	41	37	41	44	43	37	44	52	61	59
27	55	46	41	41	39	40	44	36	47	54	61	61
28	53	45	41	37	32	43	43	39	48	55	61	60
29	53	48	41	37	---	40	39	39	50	50	61	54
30	53	47	42	35	---	40	44	38	48	47	59	62
31	51	---	40	35	---	38	---	43	---	52	59	---
MONTH	49	47	40	42	38	42	39	39	47	53	58	63
YEAR	MAX	70	MIN	21	MEAN	46						

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

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

MISSISSIPPI RIVER MAIN STEM

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

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1977

NOV. 7, 1977 1600 HOURS

PHYTOPLANKTON 7,700 CELLS/ML

__ORGANISM__ NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	200	3
...OOCYSTACEAE		
....ANKISTRODESMUS	14	0
...SCENEDESMACEAE		
....SCENEDESMUS	140	2
..ULOTRICHALES		
...ULOTRICHACEAE		
....ULOTHRIX	57	1
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....COSCINODISCUS	14	0
....CYCLOTELLA	57	1
....MELOSIRA	520	7
....STEPHANODISCUS	29	0
..PENNALES		
...NITZSCHACEAE		
....NITZSCHIA	14	0
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCOCCALES		
...CHROCOCCACEAE		
....ANACYSTIS	5,700	75
...HORMOGONALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	890	12

MAR. 6, 1978 1545 HOURS

PHYTOPLANKTON 1,200 CELLS/ML

__ORGANISM__ NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...MICRACINACEAE		
....GOLENKINIA	97	8
...OOCYSTACEAE		
....ANKISTRODESMUS	18	1
...SCENEDESMACEAE		
....SCENEDESMUS	35	3
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	260	21
....MELOSIRA	400	32
..PENNALES		
...FRAGILARIACEAE		
....ASTERIONELLA	71	6
....SYNEDRA	9	1
...MERIDIONACEAE		
....MERIDION	9	1
...NAVICULACEAE		
....NAVICULA	9	1
....PINNULARIA	9	1
...NITZSCHACEAE		
....NITZSCHIA	18	1
CYANOPHYTA		
.CYANOPHYCEAE		
..HORMOGONALES		
...NOSTOCACEAE		
....ANABAENA	270	22
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	18	1
PYRRHOPHYTA		
.DINOPHYCEAE		
..PERIDINIALES		
...PERIDINIACEAE		
....PERIDINIUM	18	1

MAY 8, 1978 1100 HOURS

PHYTOPLANKTON 670 CELLS/ML

__ORGANISM__ NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHARACIACEAE		
....SCHROEDERIA	14	2
...OOCYSTACEAE		
....ANKISTRODESMUS	14	2
...TREUBARIA	14	2
...SCENEDESMACEAE		
....SCENEDESMUS	120	18
...TETRASTRUM	54	8
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	27	4
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	120	18
....MELOSIRA	110	16
..PENNALES		
...DIATOMACEAE		
....DIATOMA	14	2
...FRAGILARIACEAE		
....ASTERIONELLA	54	8
....SYNEDRA	27	4
...GOMPHONEMACEAE		
....GOMPHONEMA	14	2
...NAVICULACEAE		
....NAVICULA	27	4
...NITZSCHACEAE		
....NITZSCHIA	14	2
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	41	6

LOWER MISSISSIPPI RIVER BASIN

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07373965 SOUTH CANAL NEAR BAKER, LA

LOCATION.--Lat 30°37'00", long 91°08'56", in NW¼NE¼ lot 60, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on McHugh Road, 1.2 mi (1.9 km) downstream from White Bayou east diversion channel, 1.4 mi (2.3 km) upstream from Cypress Bayou, and 2.3 mi (3.7 km) northeast of Baker.

PERIOD OF RECORD.--August 1972 to current year. Daily gage-height record, from January 1965 to July 1972, published as Baker (south) Canal near Baker by Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 60.00 ft (18.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Flow is uncontrolled diversion from White Bayou basin into the Mississippi River by way of Baker Canal since 1957. Records of dissolved oxygen and water temperatures for water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 75.0 ft³/s (2.124 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft³/s (53.5 m³/s) Apr. 22, 1977, gage height, 19.42 ft (5.919 m); no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,650 ft³/s (46.7 m³/s) Nov. 30, 1977, gage height, 17.62 ft (5.371 m); minimum, 0.44 ft³/s (0.012 m³/s) July 26.

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	1.4	1.6	1400	18	677	94	6.3	.88	2.2	18	6.6	18
2	26	480	213	13	781	26	5.0	.88	8.9	6.2	1.6	9.9
3	13	400	34	9.5	194	166	3.5	68	39	3.2	1.8	7.0
4	3.6	45	20	7.8	43	70	3.0	90	78	2.7	2.0	7.6
5	1.3	25	15	6.3	26	20	2.8	16	30	2.4	1.2	19
6	.77	15	12	5.6	19	14	2.7	7.0	20	2.7	.88	8.5
7	.65	11	9.5	7.0	16	15	2.1	514	37	6.0	.78	4.5
8	.65	14	8.2	579	14	52	1.7	1300	24	5.5	.88	3.3
9	11	90	10	320	13	34	1.7	388	14	4.0	1.4	3.5
10	6.6	21	9.5	34	11	19	2.5	30	10	3.5	10	2.7
11	791	8.8	8.5	18	9.8	14	97	14	34	4.0	15	2.4
12	431	5.0	7.8	67	11	12	227	10	30	3.0	4.7	2.4
13	38	4.0	121	109	37	11	308	7.0	13	1.8	2.5	4.4
14	13	3.1	693	31	21	67	72	5.4	7.2	5.3	1.8	3.4
15	7.9	2.7	291	18	14	60	19	3.3	5.8	6.2	1.3	4.5
16	5.6	2.5	35	15	11	19	11	2.7	5.6	2.1	.88	47
17	3.6	2.2	24	222	9.5	12	8.0	2.8	3.5	.98	.88	35
18	2.7	1.9	16	98	9.3	9.0	5.4	30	3.3	1.1	3.2	14
19	2.0	2.0	12	189	8.0	7.2	4.3	36	6.7	.60	3.6	7.2
20	1.7	2.2	10	241	7.2	6.5	3.0	14	7.0	.52	2.6	5.8
21	1.6	393	8.2	48	6.3	6.8	2.1	15	4.1	.69	5.4	3.2
22	1.4	968	7.2	23	6.1	10	1.8	6.5	32	1.2	3.9	2.5
23	1.3	432	6.5	17	5.6	14	1.8	3.9	41	1.2	2.7	2.2
24	1.0	36	6.1	423	5.2	334	1.7	3.0	11	.69	2.9	1.7
25	1.3	17	5.8	1110	5.0	614	1.4	2.4	5.4	.52	1.3	1.6
26	1.2	11	5.4	821	100	76	1.4	2.1	3.7	.44	1.1	2.0
27	1.0	7.1	5.0	114	25	20	1.4	2.1	3.0	1.1	.88	43
28	1.0	97	5.2	35	138	14	1.3	1.6	2.7	12	25	35
29	1.0	421	52	25	---	10	1.1	1.8	2.4	9.0	779	12
30	1.0	1600	120	55	---	7.8	.98	1.3	2.2	3.4	682	7.0
31	1.3	---	36	288	---	6.3	---	1.1	---	1.6	122	---
TOTAL	1374.57	5119.1	3206.9	4967.2	2223.0	1840.6	800.98	2580.76	486.7	111.64	1689.78	320.3
MEAN	44.3	171	103	160	79.4	59.4	26.7	83.3	16.2	3.60	54.5	10.7
MAX	791	1600	1400	1110	781	614	308	1300	78	18	779	47
MIN	.65	1.6	5.0	5.6	5.0	6.3	.98	.88	2.2	.44	.78	1.6
CAL YR 1977	TOTAL	39376.11	MEAN	108	MAX	1870	MIN	.04				
WTR YR 1978	TOTAL	24721.53	MEAN	67.7	MAX	1600	MIN	.44				

LOWER MISSISSIPPI RIVER BASIN
07373965 SOUTH CANAL NEAR BAKER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.14	---	15.91	3.72	10.65	5.07	3.40	2.98	3.11	3.54	3.23	3.63
2	3.71	---	6.35	3.53	11.86	3.89	3.35	2.98	3.40	3.12	2.98	3.36
3	3.61	---	4.12	3.42	6.22	5.79	3.29	4.53	4.02	2.98	3.00	3.25
4	3.24	---	3.78	3.35	4.30	4.68	3.26	4.99	4.79	2.95	3.01	3.26
5	3.11	---	3.62	3.29	3.93	3.72	3.25	3.72	3.85	2.95	2.95	3.66
6	3.07	---	3.50	3.26	3.75	3.53	3.24	3.43	3.59	2.97	2.92	3.31
7	3.06	---	3.42	3.32	3.64	3.56	3.21	8.08	4.01	3.10	2.91	3.14
8	3.06	---	3.37	9.81	3.58	4.41	3.18	15.25	3.73	3.15	2.92	3.08
9	3.53	---	3.45	7.48	3.54	4.11	3.18	7.97	3.42	3.05	2.96	3.09
10	3.37	---	3.42	4.13	3.48	3.73	3.22	4.04	3.27	3.05	3.38	3.04
11	12.24	---	3.38	3.71	3.43	3.59	4.99	3.66	3.88	3.05	3.56	3.02
12	8.98	---	3.35	4.61	3.46	3.52	6.71	3.54	3.85	3.06	3.17	3.02
13	4.23	---	4.73	5.31	4.15	3.49	7.53	3.43	3.38	3.00	3.05	3.13
14	3.60	---	11.62	4.05	3.81	4.68	4.73	3.37	3.16	3.13	3.00	3.09
15	3.42	3.26	7.16	3.71	3.59	4.56	3.80	3.28	3.10	3.20	2.96	3.14
16	3.33	3.25	4.13	3.61	3.48	3.76	3.58	3.24	3.09	3.02	2.92	4.24
17	3.24	3.23	3.88	6.60	3.42	3.56	3.47	3.25	2.99	2.93	2.92	4.07
18	3.20	3.21	3.66	5.12	3.41	3.45	3.37	3.97	2.98	2.94	3.06	3.52
19	3.16	3.22	3.51	6.17	3.36	3.39	3.32	4.15	3.13	2.89	3.11	3.26
20	3.14	3.23	3.44	6.81	3.33	3.36	3.26	3.62	3.15	2.88	3.05	3.20
21	3.13	7.50	3.37	4.37	3.29	3.37	3.21	3.66	3.02	2.90	3.20	3.07
22	3.12	13.66	3.33	3.86	3.28	3.49	3.19	3.36	3.76	2.95	3.13	3.03
23	3.11	8.88	3.30	3.68	3.26	3.61	3.17	3.25	4.08	2.95	3.06	3.01
24	3.09	4.22	3.28	8.93	3.24	7.56	3.13	3.20	3.31	2.90	3.05	2.97
25	3.11	3.74	3.27	13.92	3.23	10.21	3.09	3.16	3.08	2.88	2.95	2.96
26	3.10	3.57	3.25	11.83	5.12	4.76	3.08	3.14	3.00	2.87	2.94	---
27	3.09	3.44	3.23	5.28	3.82	3.83	3.06	3.14	2.96	2.93	2.92	---
28	---	4.84	3.24	4.14	5.54	3.65	3.04	3.08	2.94	3.45	3.62	---
29	---	8.72	4.15	3.91	---	3.54	3.01	3.10	2.92	3.35	11.05	---
30	---	17.38	5.47	4.34	---	3.46	2.99	3.05	2.92	3.10	11.38	---
31	---	---	4.14	7.33	---	3.40	---	3.03	---	2.89	5.36	---
MEAN	---	---	4.51	5.37	4.33	4.22	3.61	4.15	3.40	3.04	3.67	---
MAX	12.24	17.38	15.91	13.92	11.86	10.21	7.53	15.25	4.79	3.54	11.38	4.24
MIN	---	---	3.23	3.26	3.23	3.36	2.99	2.98	2.92	2.87	2.91	---

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA

LOCATION.--Lat 30°17'00", long 91°13'21", T.9 S., R.12 E., Louisiana meridian, Iberville Parish, Hydrologic Unit 08070100, at west bank ferry landing, at Plaquemine, and at mile 208.0 (334.7 km).

DRAINAGE AREA.--Not determined.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS, DIS-SOLVED (MG/L AS CAC03)
OCT 15...	1530	370	7.8	20.0	10	70	7.9	39	1.1	5000	K3000	140
NOV 08...	1000	430	7.6	16.5	0	75	8.5	30	1.8	2600	1300	180
DEC 07...	1615	290	7.9	10.0	20	20	10.3	33	3.2	4400	K780	120
JAN 16...	1230	362	8.0	3.5	15	100	11.2	30	2.1	K14000	--	150
FEB 10...	1630	288	7.9	1.0	30	40	12.8	31	4.3	--	280	120
MAR 08...	0815	363	7.4	5.0	15	45	12.3	13	3.7	13000	1500	140
APR 24...	1230	362	7.7	17.5	15	75	8.3	34	.9	K1800	360	150
MAY 09...	0900	377	7.4	16.5	20	120	8.2	34	2.7	16000	1600	150
JUN 06...	0800	363	7.7	24.5	30	65	6.7	14	1.4	12000	K3400	150
JUL 11...	1630	468	7.6	31.0	20	75	6.3	26	.0	28000	--	170
AUG 16...	0800	432	7.4	29.0	20	60	7.2	18	1.2	75000	K3600	160
SEP 13...	1315	406	7.8	28.0	10	35	6.1	23	.2	4000	K70	160

DATE	HARDNESS, NONCARBONATE, DIS. (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HC03)	CARBONATE (MG/L AS C03)	ALKALINITY, TOTAL (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SETTLABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 15...	45	37	12	116	0	95	49	20	214	<1.0	1.3	.01
NOV 08...	52	49	14	156	0	128	56	25	173	<1.0	1.5	.01
DEC 07...	24	32	9.5	116	0	95	35	15	178	<1.0	1.2	.01
JAN 16...	40	39	12	134	0	110	42	17	204	<1.0	1.9	.04
FEB 10...	40	32	8.6	97	0	80	38	15	175	<1.0	1.1	.01
MAR 08...	37	38	11	126	0	103	40	24	112	<1.0	1.1	.01
APR 24...	47	40	12	126	0	103	41	21	177	<1.0	1.7	.02
MAY 09...	47	41	12	126	0	103	47	17	236	<1.0	2.0	.01
JUN 06...	48	40	12	124	0	100	48	24	210	<1.0	1.7	.02
JUL 11...	57	45	14	138	0	110	58	32	248	<1.0	1.4	.00
AUG 16...	44	43	13	142	0	120	55	23	165	<1.0	1.6	.04
SEP 13...	46	43	13	140	0	110	61	22	113	<1.0	.62	.01

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

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	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 CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT 15...	1.3	.71	.32	2	0	2	0	0	0	10	10	0
NOV 08...	1.5	.88	.28	3	2	1	0	0	0	0	0	0
DEC 07...	1.2	.56	.28	3	1	2	0	0	0	0	0	0
JAN 16...	1.9	.54	.31	3	1	2	0	0	0	2	2	0
FEB 10...	1.1	.61	.22	2	1	1	10	10	0	1	0	1
MAR 08...	1.1	1.1	.24	2	1	1	0	0	0	0	0	0
APR 24...	1.7	.69	.24	3	2	1	0	0	0	3	2	1
MAY 09...	2.0	.42	.36	3	2	1	0	0	0	3	2	1
JUN 06...	1.7	.19	.17	5	2	3	0	0	0	3	2	1
JUL 11...	1.4	.82	.25	3	1	2	0	0	0	13	11	2
AUG 16...	1.6	.54	.20	3	1	2	0	0	0	5	4	1
SEP 13...	.63	.41	.18	3	1	2	0	0	0	4	3	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- PENDE 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- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	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 15...	25	0	20	15	5	20	<100	<100	0	.0	.0	.0
NOV 08...	4	0	13	9	4	20	10	9	1	.0	.0	.0
DEC 07...	0	0	14	8	6	40	6	6	0	.0	.0	.0
JAN 16...	10	0	20	14	6	40	12	9	3	.0	.0	.0
FEB 10...	10	0	26	21	5	20	13	11	2	1.5	1.5	.0
MAR 08...	10	0	11	6	5	10	9	5	4	.0	.0	.0
APR 24...	10	0	19	13	6	20	12	11	1	.0	.0	.0
MAY 09...	10	0	24	18	6	10	12	9	3	.0	.0	.0
JUN 06...	10	0	20	17	3	50	13	13	0	.0	.0	.0
JUL 11...	10	0	85	78	7	30	19	16	3	.0	.0	.0
AUG 16...	10	0	19	4	15	50	15	7	8	.0	.0	.0
SEP 13...	10	0	17	10	7	20	9	7	2	.0	.0	.0

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D 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 D 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 15...	<50	<49	1	0	0	0	2.0	40	20	20	8.6	.00
NOV 08...	11	10	1	1	1	0	.2	30	20	10	6.9	.00
DEC 07...	17	16	1	0	0	0	.4	40	20	20	6.2	.00
JAN 16...	16	13	3	1	1	0	--	50	30	20	6.2	.00
FEB 10...	26	23	3	0	0	0	.0	50	30	20	.7	.00
MAR 08...	15	14	1	4	0	4	.0	20	20	0	5.0	.00
APR 24...	10	8	2	0	0	0	.0	30	20	10	8.6	.00
MAY 09...	13	9	4	1	1	0	.0	40	30	10	10	.00
JUN 06...	10	7	3	1	1	0	.6	40	30	10	9.6	.00
JUL 11...	16	12	4	1	1	0	.0	40	30	10	8.0	.00
AUG 16...	12	7	5	1	1	0	.0	40	0	40	7.2	.00
SEP 13...	6	4	2	0	0	0	3.4	20	10	10	6.9	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 15...	2	0
NOV 08...	2	0
DEC 07...	2	0
JAN 16...	2	0
FEB 10...	0	0
MAR 08...	3	0
APR 24...	4	0
MAY 09...	0	0
JUN 06...	0	0
JUL 11...	0	0
AUG 16...	0	0
SEP 13...	1	0

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of volatile organic compounds. Techniques and methodology are discussed in the Introduction.

COMPOUND

CONCENTRATION (UG/L)

OCTOBER 15, 1978
1530 HOURS

VOLATILE

DICHLOROMETHANE

6

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R. 15 E., St. James Parish, Hydrologic Unit 08070100, near center of span on downstream side of Sunshine Bridge on State Highway 3089, 0.7 mi (1.1 km) northwest of Union, and at mile 167.5 (269.5 km).

DRAINAGE AREA.--Not determined.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS, DIS-SOLVED AS CaCO3 (MG/L)
OCT 15...	1230	385	7.8	20.0	20	85	7.5	43	1.2	4300	--	150
NOV 08...	1430	425	7.6	16.5	0	65	9.3	29	1.9	1800	K170	170
DEC 07...	1345	300	7.8	10.5	35	30	9.8	48	2.8	4000	K810	120
JAN 17...	0930	371	8.0	3.5	15	100	12.6	26	3.4	7000	K650	150
FEB 10...	1400	290	7.9	1.5	20	65	12.8	23	4.3	2500	320	120
MAR 08...	1030	364	7.5	5.0	20	45	12.0	12	3.3	2000	350	140
APR 13...	1000	305	7.4	14.5	60	75	7.5	27	2.1	K400	--	130
MAY 09...	1100	378	7.6	16.5	20	110	8.4	35	2.0	5600	500	160
JUN 07...	0930	370	7.8	25.0	--	70	6.9	39	.8	1200	K350	150
JUL 11...	1345	453	8.1	31.0	20	60	6.5	24	.0	K5000	--	170
AUG 16...	1030	432	7.5	29.5	15	65	7.2	23	.9	K26000	410	160
SEP 13...	1100	432	7.7	28.5	5	30	7.1	25	.9	--	1000	150

DATE	HARDNESS, NONCARBONATE, DIS. (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SETTLABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 15...	52	39	12	120	0	98	50	20	282	<1.0	1.2	.01
NOV 08...	42	44	15	156	0	128	54	22	143	<1.0	1.7	.01
DEC 07...	30	34	9.2	113	0	93	36	18	231	<1.0	1.3	.01
JAN 17...	47	40	12	126	0	103	43	18	186	<1.0	1.8	.03
FEB 10...	41	32	8.8	92	0	75	39	17	224	<1.0	1.1	.02
MAR 08...	40	37	11	122	0	100	42	23	115	<1.0	1.1	.02
APR 13...	47	36	9.6	100	0	82	37	18	234	<1.0	2.0	.04
MAY 09...	55	41	13	128	0	105	47	17	246	<1.0	2.0	.01
JUN 07...	53	40	12	118	0	97	48	21	176	<1.0	1.7	.03
JUL 11...	52	45	14	144	0	118	59	31	2090	<1.0	1.6	.00
AUG 16...	41	42	13	143	0	120	54	23	115	<1.0	1.5	.02
SEP 13...	37	41	12	140	0	110	64	21	62	<1.0	.61	.01

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

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	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 CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT 15...	1.2	.58	.38	4	2	2	0	0	0	10	10	0
NOV 08...	1.7	1.0	.25	2	0	2	0	0	0	0	0	0
DEC 07...	1.3	.60	.28	3	2	1	0	0	0	0	0	0
JAN 17...	1.8	.33	.31	4	3	1	0	0	0	1	1	0
FEB 10...	1.1	.39	.29	2	1	1	0	0	0	3	2	1
MAR 08...	1.1	.40	.28	2	1	1	0	0	0	1	0	1
APR 13...	2.0	.38	.27	2	1	1	10	0	10	8	2	6
MAY 09...	2.0	.37	.31	3	2	1	0	0	0	2	0	2
JUN 07...	1.7	.53	.19	4	1	3	10	10	0	6	4	2
JUL 11...	1.6	.45	.27	4	2	2	10	10	0	11	10	1
AUG 16...	1.5	.70	.91	4	2	2	0	0	0	2	2	0
SEP 13...	.62	.61	.16	3	1	2	0	0	0	5	5	0

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- PENDE 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- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	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 15...	30	0	10	4	6	40	<100	<100	0	.0	.0	.0
NOV 08...	12	0	8	6	2	100	4	4	0	.0	.0	.0
DEC 07...	0	0	18	10	8	60	9	8	1	.0	.0	.0
JAN 17...	0	0	15	11	4	20	10	8	2	.0	.0	.0
FEB 10...	0	0	--	--	5	20	29	27	2	.0	.0	.0
MAR 08...	10	0	9	5	4	10	6	1	5	.0	.0	.0
APR 13...	10	0	29	1	28	580	33	0	33	.0	.0	.0
MAY 09...	10	0	25	21	4	0	14	10	4	.0	.0	.0
JUN 07...	5	0	24	18	6	40	15	14	1	.1	.1	.0
JUL 11...	0	0	23	16	7	20	18	17	1	.0	.0	.0
AUG 16...	10	0	16	9	7	210	12	12	0	.2	.2	.0
SEP 13...	0	0	32	26	6	20	11	11	0	.0	.0	.0

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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, 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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 15...	<50	<49	1	0	0	0	1.4	40	30	10	7.4	.00
NOV 08...	4	4	0	1	1	0	.4	30	20	10	5.3	.00
DEC 07...	18	17	1	1	1	0	.4	50	30	20	6.8	.00
JAN 17...	14	11	3	1	1	0	--	40	20	20	6.2	.00
FEB 10...	130	130	4	0	0	0	.0	100	80	20	.9	.00
MAR 08...	8	8	0	0	0	0	.0	20	10	10	5.3	.00
APR 13...	13	8	5	0	0	0	2.0	50	0	50	7.3	.00
MAY 09...	10	6	4	1	1	0	.0	30	20	10	11	.00
JUN 07...	12	10	2	1	0	1	.7	30	20	10	6.7	.00
JUL 11...	12	12	0	1	0	1	.0	30	10	20	7.9	.00
AUG 16...	9	5	4	1	0	1	.9	30	0	30	7.3	.00
SEP 13...	6	4	2	0	0	0	.4	20	10	10	5.5	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 15...	2	0
NOV 08...	2	--
DEC 07...	3	0
JAN 17...	3	0
FEB 10...	3	0
MAR 08...	1	0
APR 13...	3	0
MAY 09...	0	0
JUN 07...	0	0
JUL 11...	1	0
AUG 16...	0	0
SEP 13...	1	0

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA

LOCATION.--Lat 29°56'19", long 90°21'49", T.13 S., R.21 E., St. Charles Parish, Hydrologic Unit 08090100, at Luling-Destrehan Ferry crossing, 17 mi (27.4 km) west of New Orleans, and at mile 120.6 (194.0 km).

DRAINAGE AREA.--1,129,800 mi² (2,924,900 km²), arbitrarily determined.

PERIOD OF RECORD.--Water years 1958 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1957 to September 1972, October 1974 to September 1975, October 1976 to current year.

WATER TEMPERATURES: October 1957 to September 1972, October 1977 to current year.

CHLORIDE: October 1974 to September 1975, October 1976 to current year.

SULFATE: October 1974 to September 1975, October 1976 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 636 micromhos Oct. 12, 1959; minimum daily, 219 micromhos Mar. 27, 28, 30, 1964.

WATER TEMPERATURES: Maximum daily, 32.0°C July 21, 24, Aug. 14, 1962, July 2, 3, 5, 6, 1969; minimum daily, 3.0°C Jan. 12, 1962.

CHLORIDE: Maximum daily, 69 mg/L June 24, 1977; minimum daily, 11 mg/L Mar. 22, 1975.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 511 micromhos July 3; minimum daily, 286 micromhos Feb. 16.

WATER TEMPERATURES: Maximum daily, 31.5°C July 20; minimum daily, 4.0°C Jan. 22, Feb. 21.

CHLORIDE: Maximum daily, 45 mg/L July 3; minimum daily, 15 mg/L Feb. 9, 10, 16, June 1, 2.

SULFATE: Maximum daily, 73 mg/L Sep. 19, 20; minimum daily, 20 mg/L Feb. 8, Apr. 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL (5 DAY) (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS, DIS-SOLVED AS CaCO3
OCT 14...	1330	380	7.6	21.0	25	80	7.5	33	.8	3600	--	140
NOV 09...	1000	420	7.6	17.0	0	60	8.3	27	1.1	K400	--	180
DEC 07...	1000	312	7.8	10.5	20	20	9.7	33	3.5	4000	K800	120
JAN 17...	1400	394	7.8	3.5	15	65	12.8	24	2.0	3200	450	160
FEB 10...	0930	293	7.8	1.5	20	65	13.0	29	4.5	2000	410	120
MAR 08...	1315	369	7.5	5.0	15	40	11.9	3	2.9	10000	310	140
APR 13...	1200	324	7.4	14.5	60	75	8.3	33	.9	K320	--	130
MAY 09...	1415	381	7.6	17.5	60	120	7.9	33	2.4	4000	350	150
JUN 07...	1100	375	7.6	25.0	30	65	6.9	21	6.0	K360	--	170
JUL 11...	0930	476	7.5	32.0	5	25	6.5	15	.0	10000	K10000	180
AUG 16...	1330	416	7.3	29.5	15	75	7.4	31	2.1	21000	460	150
SEP 12...	1630	429	8.1	28.0	5	20	7.3	20	--	4400	K750	160

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS, NONCAR- BONATE, DIS. (MG/L CACO3)	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)	ALKA- LINITY, TOTAL (MG/L AS CACO3)	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)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 14...	46	37	11	115	0	94	50	25	204	<1.0	1.1	.01
NOV 09...	54	47	14	154	0	126	54	22	134	<1.0	1.5	.01
DEC 07...	33	34	9.7	112	0	92	39	17	193	<1.0	1.3	.01
JAN 17...	46	42	13	139	0	114	45	22	152	<1.0	1.9	.03
FEB 10...	42	33	8.7	95	0	78	38	16	229	<1.0	1.1	.01
MAR 08...	37	39	11	125	0	103	44	25	94	<1.0	1.2	.02
APR 13...	47	36	9.4	101	0	83	35	19	268	<1.0	2.1	.03
MAY 09...	47	41	12	125	0	103	45	18	274	<1.0	2.0	.02
JUN 07...	63	48	12	130	0	110	48	25	176	<1.0	1.8	.03
JUL 11...	61	47	15	145	0	119	65	32	26	<1.0	1.3	.01
AUG 16...	40	41	12	136	0	110	52	23	175	<1.0	1.5	.05
SEP 12...	36	42	13	149	0	120	67	24	--	<1.0	.59	.00

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 14...	1.1	.53	.36	3	2	1	0	0	0	<10	<10	0
NOV 09...	1.5	.64	.31	3	1	2	0	0	0	0	0	0
DEC 07...	1.3	.36	.33	3	1	2	0	0	0	0	0	0
JAN 17...	1.9	.57	.33	3	1	2	0	0	0	1	1	0
FEB 10...	1.1	.59	.31	3	2	1	0	0	0	1	1	0
MAR 08...	1.2	.38	.32	1	0	1	0	0	0	0	0	0
APR 13...	2.1	.19	.29	4	0	4	10	0	10	6	2	4
MAY 09...	2.0	.33	.36	3	2	1	5	0	5	2	1	1
JUN 07...	1.8	.35	.21	5	2	3	0	0	0	4	2	2
JUL 11...	1.3	.61	.14	3	1	2	10	0	10	4	3	1
AUG 16...	1.5	.59	.35	4	2	2	0	0	0	3	3	0
SEP 12...	.59	.47	.56	3	1	2	0	0	0	3	3	0

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, 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)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 14...	30	0	20	16	4	10	<100	<100	0	.0	.0	.0
NOV 09...	12	0	6	5	1	20	4	3	1	.0	.0	.0
DEC 07...	0	0	14	10	4	50	7	7	0	.0	.0	.0
JAN 17...	10	0	15	10	5	20	10	8	2	.0	.0	.0
FEB 10...	16	0	20	18	2	20	19	17	2	.0	.0	.0
MAR 08...	0	0	11	5	6	10	8	0	8	.0	.0	.0
APR 13...	10	0	31	21	10	550	18	4	14	.0	.0	.0
MAY 09...	0	0	26	22	4	0	16	13	3	.0	.0	.0
JUN 07...	10	0	29	22	7	40	13	13	0	.0	.0	.0
JUL 11...	0	0	50	42	8	10	29	26	3	.0	.0	.0
AUG 16...	10	0	24	18	6	20	15	15	0	.0	.0	.0
SEP 12...	10	0	10	4	6	50	8	8	0	.0	.0	.0

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 TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	VANADIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (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 14...	<50	<49	1	0	0	0	2.3	30	20	10	7.8	.00
NOV 09...	6	5	1	0	0	0	.4	20	10	10	6.3	.00
DEC 07...	16	16	0	0	0	0	.5	40	30	10	6.5	.00
JAN 17...	14	11	3	1	1	0	--	40	20	20	4.8	.00
FEB 10...	14	10	4	0	0	0	.0	40	20	20	1.1	.00
MAR 08...	10	9	1	0	0	0	.0	30	20	10	4.9	.00
APR 13...	18	13	5	0	0	0	.0	100	40	60	9.0	.00
MAY 09...	10	9	1	1	1	0	1.0	40	30	10	9.3	.00
JUN 07...	9	6	3	1	1	0	.6	60	20	40	6.3	.00
JUL 11...	58	50	8	0	0	0	.0	40	20	20	4.4	.00
AUG 16...	11	7	4	1	1	0	.5	30	20	10	8.9	.00
SEP 12...	5	4	1	0	0	0	1.0	10	10	0	5.0	.00

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TRITIUM IN WATER MOLE- CULES (TU)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU)
OCT 14...	4	0	46.0	4.9
NOV 09...	2	0	59.6	5.5
DEC 07...	2	0	42.8	3.7
JAN 17...	3	0	48.3	1.9
FEB 10...	1	0	49.7	4.3
MAR 08...	1	0	46.9	5.8
APR 13...	3	0	52.4	2.0
MAY 09...	0	0	51.3	3.7
JUN 07...	1	0	54.0	2.4
JUL 11...	0	0	--	--
AUG 16...	4	0	--	--
SEP 12...	3	2	--	--

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of volatile organic compounds. Techniques and methodology are discussed in the Introduction.

COMPOUND	CONCENTRATION (UG/L)
OCTOBER 14, 1978 1330 HOURS	
VOLATILE	NONE DETECTED

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	417	426	344	362	296	393	324	386	339	491	434	446
2	383	426	346	357	---	394	324	403	356	495	439	457
3	366	426	348	361	296	394	322	402	360	511	444	458
4	384	426	347	352	294	391	323	401	368	489	442	450
5	383	423	350	364	296	392	312	384	366	487	444	451
6	386	---	309	383	291	394	316	385	372	486	444	451
7	385	---	---	383	293	392	317	361	365	479	435	457
8	385	---	328	372	296	393	316	361	360	477	442	464
9	386	---	---	371	295	392	318	361	374	475	435	463
10	385	---	325	388	314	394	317	383	382	469	461	469
11	385	---	330	390	310	392	316	368	376	461	469	446
12	384	---	328	400	312	399	323	390	352	465	470	460
13	380	---	330	386	312	398	335	390	325	463	458	469
14	382	372	324	393	297	399	338	389	425	460	425	450
15	382	371	327	392	299	383	334	350	374	485	407	448
16	385	366	328	390	286	371	339	352	403	486	412	453
17	396	371	327	375	360	375	345	349	414	433	447	453
18	396	367	316	372	354	369	345	349	425	430	449	467
19	393	370	321	375	288	383	349	342	433	444	456	466
20	392	369	300	375	346	368	353	329	424	447	464	460
21	392	370	306	376	344	381	354	328	418	444	466	450
22	394	369	302	374	346	358	365	320	437	445	472	451
23	393	372	299	305	346	361	365	316	416	452	447	461
24	385	370	320	306	355	359	374	315	414	454	443	460
25	402	369	318	310	394	348	383	316	417	435	445	470
26	402	369	316	305	395	353	379	318	417	438	438	475
27	402	370	319	305	398	352	380	318	414	434	438	468
28	399	367	329	304	394	352	382	319	409	431	434	472
29	400	349	346	300	---	324	382	323	430	432	453	470
30	400	349	343	298	---	324	381	340	441	434	445	463
31	426	---	347	298	---	---	---	336	---	434	445	---
MONTH	391	---	327	356	326	378	344	354	397	460	445	459
YEAR	MAX	511	MIN	286	MEAN	386						

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	18.0	17.0	8.0	5.0	5.0	14.0	19.0	24.0	28.5	30.5	28.0
2	27.0	17.0	18.0	7.0	---	5.5	13.5	17.5	24.0	29.5	30.5	30.5
3	25.0	19.0	14.0	7.0	5.0	7.0	14.0	17.0	22.5	27.5	30.0	29.5
4	24.0	18.5	14.0	6.0	5.0	5.5	10.5	17.5	22.5	29.5	31.0	29.0
5	25.0	21.0	15.0	8.0	5.5	7.5	14.0	18.5	23.0	30.0	30.0	27.0
6	26.0	---	9.0	9.0	5.0	5.0	13.5	19.5	27.0	29.5	29.5	27.5
7	27.0	---	---	8.5	5.5	6.5	14.0	19.0	24.5	30.0	28.5	28.0
8	24.0	---	10.5	5.5	5.0	5.5	14.0	18.5	25.0	29.5	29.5	28.5
9	25.0	---	---	5.5	5.5	---	16.5	18.0	24.5	29.5	27.5	28.5
10	23.0	---	10.0	6.0	5.0	5.5	9.5	18.0	26.0	30.0	29.5	27.0
11	23.0	---	10.0	5.0	5.5	5.0	10.0	18.5	24.5	30.0	30.0	27.5
12	21.0	---	9.5	5.5	5.0	6.0	15.0	19.0	---	29.0	30.5	28.0
13	21.0	---	10.5	5.0	5.5	6.5	19.0	18.5	25.0	30.5	29.5	27.5
14	23.0	23.0	10.5	5.0	5.0	10.0	18.5	19.0	25.0	30.0	29.0	28.0
15	20.0	22.0	10.5	5.0	5.0	8.5	20.0	20.5	25.0	30.0	29.5	27.5
16	20.0	20.0	10.0	5.0	5.0	10.0	7.5	20.0	27.0	30.5	29.5	27.5
17	20.0	21.0	9.5	5.5	5.0	9.5	21.5	20.0	27.5	29.5	29.5	27.0
18	21.0	19.0	8.0	5.0	5.0	9.5	19.0	20.5	30.0	30.0	28.0	28.0
19	22.0	18.0	6.0	5.5	5.0	9.0	18.5	21.0	27.0	30.0	28.5	27.5
20	20.0	17.5	8.0	5.0	5.0	9.5	18.5	21.0	28.0	31.5	29.0	27.5
21	21.0	17.0	8.5	5.0	4.0	10.0	20.0	20.0	25.5	30.0	28.5	27.0
22	20.0	18.0	8.5	4.0	5.0	10.0	18.5	20.0	27.5	29.0	29.0	27.5
23	19.0	23.5	9.0	5.0	5.0	9.0	20.0	20.0	27.0	29.5	29.5	29.0
24	22.0	22.5	10.0	5.0	5.5	9.5	19.5	21.5	26.5	30.0	29.5	28.5
25	20.0	20.0	8.5	5.0	4.5	10.0	19.5	---	27.0	28.5	30.0	28.0
26	21.0	16.0	8.0	5.0	5.0	9.0	19.0	22.0	27.5	29.0	29.5	26.5
27	19.0	19.0	8.0	5.0	5.5	9.5	18.5	22.0	27.0	29.0	29.5	26.0
28	19.0	21.5	5.5	5.0	4.5	10.5	18.5	22.0	26.0	30.0	28.0	27.0
29	22.0	15.0	5.0	5.0	---	12.0	---	22.0	27.5	29.5	29.5	27.0
30	20.0	16.0	5.0	5.0	---	10.5	20.0	23.0	29.0	30.0	29.0	27.0
31	19.0	---	5.5	5.0	---	12.0	---	23.5	---	30.0	28.5	---
MONTH	22.0	---	9.5	5.5	5.0	8.5	16.5	20.0	26.5	29.5	29.5	28.0
YEAR	MAX	31.5	MIN	4.0	MEAN	18.5						

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	29	20	22	19	26	20	22	15	44	22	26
2	36	26	20	20	---	26	21	22	15	44	25	28
3	26	30	20	20	19	30	21	22	16	45	27	27
4	31	28	20	19	18	25	23	20	17	42	26	28
5	28	29	20	21	17	25	18	---	16	42	26	28
6	31	---	24	24	16	25	17	---	21	40	27	24
7	28	---	---	23	18	29	20	---	19	40	22	27
8	27	---	19	23	16	26	17	---	21	39	24	26
9	32	---	---	23	15	26	19	---	16	34	25	29
10	28	---	18	25	15	25	20	---	19	34	24	28
11	31	---	19	24	20	32	20	---	22	32	25	24
12	29	---	17	25	18	30	27	---	24	33	26	26
13	25	---	17	24	17	30	26	---	24	33	22	27
14	31	22	20	24	17	32	27	---	25	33	22	24
15	26	23	18	24	17	30	27	---	25	32	23	25
16	26	21	18	24	15	30	28	---	24	33	24	26
17	26	24	18	21	20	28	25	---	27	28	24	29
18	26	23	20	22	20	28	28	---	32	27	27	31
19	28	21	16	22	16	31	28	---	26	27	28	33
20	26	21	17	22	21	28	28	---	27	26	28	26
21	29	23	19	22	21	31	28	---	29	24	28	25
22	28	23	20	20	18	25	28	---	28	24	28	28
23	26	23	20	18	19	25	27	---	28	26	25	22
24	29	23	18	19	21	26	34	---	24	26	28	26
25	28	22	16	18	26	22	29	---	24	27	28	32
26	28	22	16	20	27	21	21	---	24	25	26	32
27	28	23	19	20	31	21	22	---	26	23	26	29
28	29	23	19	19	16	22	22	---	27	22	25	31
29	29	22	19	20	---	22	24	---	29	22	26	28
30	30	22	19	19	---	22	26	16	32	22	24	28
31	29	---	19	18	---	---	---	14	---	22	26	---
MONTH	29	---	19	21	19	26	24	---	24	31	25	27
YEAR	MAX	45	MIN	15	MEAN	25						

DISSOLVED SULFATE (SO4), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	59	44	42	38	50	40	47	43	44	60	67
2	51	58	43	46	---	50	28	46	45	59	60	67
3	48	59	43	45	39	51	43	44	45	59	61	67
4	51	59	45	45	39	46	41	49	47	59	57	67
5	51	59	43	47	39	30	42	---	47	58	55	65
6	50	---	39	53	25	49	40	---	46	62	57	66
7	51	---	---	52	31	47	39	---	45	61	57	64
8	50	---	41	48	20	52	41	---	50	62	57	62
9	51	---	---	49	26	49	40	---	50	63	55	68
10	52	---	43	52	40	46	40	---	50	64	59	73
11	49	---	43	51	40	48	42	---	49	56	65	68
12	48	---	43	51	42	46	34	---	48	52	67	63
13	55	---	43	47	42	46	---	---	49	58	62	71
14	47	39	43	47	41	48	40	---	46	58	59	54
15	58	38	42	43	41	46	40	---	46	67	54	58
16	54	44	42	47	41	46	41	---	48	64	53	68
17	58	45	45	49	45	46	41	---	44	59	64	69
18	56	46	43	46	43	45	43	---	51	59	64	72
19	62	46	41	48	47	48	41	---	53	63	62	73
20	61	46	41	47	47	45	43	---	55	63	64	73
21	59	46	41	46	44	50	41	---	53	61	65	71
22	59	47	39	47	49	50	45	---	54	62	65	71
23	59	49	29	48	47	50	44	---	56	63	62	66
24	57	45	39	44	49	46	45	---	54	56	62	66
25	61	49	39	40	50	47	47	---	54	60	61	66
26	62	47	41	40	50	49	20	---	54	55	61	66
27	60	47	42	41	51	49	26	---	54	60	60	66
28	61	46	42	41	47	50	40	---	52	59	61	66
29	62	45	44	39	---	46	40	---	46	61	67	66
30	62	45	44	41	---	44	44	40	50	60	63	66
31	59	---	43	40	---	38	---	52	---	61	62	---
MONTH	55	---	42	46	41	47	39	---	49	60	61	67
YEAR	MAX	73	MIN	20	MEAN	51						

07375000 TCHFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'55", long 90°14'55", on line between SE¼NE¼ and SW¼NE¼ sec.13, T.5 S., R.9 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08090201, near center of span on downstream side of bridge on State Highway 40, 1.2 mi (1.9 km) upstream from Bull Branch, and 3.6 mi (5.8 km) southwest of Folsom.

DRAINAGE AREA.--95.5 mi² (247.3 km²), not including Bull Branch which has a drainage area of 7.5 mi² (19.4 km²) at Highway 40. Total drainage area for extreme floods is 103 mi² (267 km²).

REVISED RECORDS.--WSP 1057: 1944 (M), 1945. WSP 1281: 1953(M).

PERIOD OF RECORD.--October 1943 to current year. Prior to January 1944 monthly discharge only, published in WSP 1311. Prior to October 1954, published as Chefuncte River near Folsom.

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft (18.931 m) National Geodetic Vertical Datum of 1929. Prior to June 9, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water tempratures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--35 years, 161 ft³/s (4.560 m³/s), 22.89 in/yr (581 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft³/s (827 m³/s) May 3, 1953, gage height, 22.26 ft (6.785 m), from rating curve extended above 13,000 ft³/s (370 m³/s) by contracted-opening measurement at gage height 22.10 ft (6.736 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 14, 15, 1968; minimum gage height, 4.80 ft (1.463 m) Oct. 5, 6, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,300 ft³/s (37 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)
Oct. 25	1700	2730 77.3	17.10 5.212	Jan. 26	0345	1600 45.3	15.41 4.697
Dec. 1	unknown	*2920 82.7	al7.29 5.270				

a Annual maximum from floodmark.

Minimum discharge, 47 ft³/s (1.08 m³/s) Sept. 26, 27, gage height, 5.28 ft (1.609 m).

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	68	101	2800	200	392	169	87	79	67	73	91	76
2	76	107	1000	153	703	133	85	77	67	67	66	62
3	101	158	500	130	786	119	83	350	80	59	59	57
4	84	167	280	117	495	136	82	481	104	55	55	54
5	69	497	240	110	301	113	81	233	89	54	52	53
6	64	847	220	107	231	101	80	127	75	56	53	51
7	62	582	200	107	194	127	79	112	71	55	62	50
8	61	279	180	203	171	320	79	168	73	58	55	49
9	63	314	170	383	156	390	77	732	77	80	86	49
10	68	690	160	340	144	223	76	492	76	59	86	50
11	202	548	155	186	134	160	87	225	67	58	74	49
12	323	243	150	167	127	136	205	136	67	57	62	50
13	165	166	160	229	133	123	332	113	70	55	73	51
14	102	138	300	200	160	128	342	100	70	53	64	59
15	84	130	450	154	136	172	172	90	64	54	68	72
16	75	120	340	134	119	134	119	83	61	71	61	65
17	69	110	260	160	113	110	128	103	60	65	55	66
18	65	100	200	224	110	99	270	268	60	56	53	62
19	64	120	170	231	107	95	482	290	59	54	51	55
20	62	160	150	285	103	92	702	142	58	62	51	52
21	61	300	136	241	100	95	247	102	57	64	52	50
22	60	500	121	178	97	123	136	91	59	67	51	49
23	59	1000	112	153	95	116	112	93	60	85	56	50
24	82	650	109	216	95	114	98	82	60	72	71	53
25	1940	450	108	986	94	214	92	77	60	62	57	48
26	1310	260	105	1490	96	205	160	74	82	59	52	47
27	611	190	98	986	111	124	135	73	80	111	51	51
28	249	400	95	502	107	107	95	83	60	111	50	284
29	161	800	111	319	---	98	85	74	56	75	92	229
30	130	1800	245	249	---	93	81	71	57	70	217	87
31	112	---	321	281	---	89	---	68	---	265	131	---
TOTAL	6702	11927	9646	9421	5610	4458	4889	5289	2046	2242	2157	2080
MEAN	216	398	311	304	200	144	163	171	68.2	72.3	69.6	69.3
MAX	1940	1800	2800	1490	786	390	702	732	104	265	217	284
MIN	59	100	95	107	94	89	76	68	56	53	50	47
CFSM	2.26	4.17	3.26	3.18	2.09	1.51	1.71	1.79	.71	.76	.73	.73
IN.	2.61	4.65	3.76	3.67	2.19	1.74	1.90	2.06	.80	.87	.84	.81

CAL YR 1977	TOTAL	89856	MEAN	246	MAX	10200	MIN	44	CFSM	2.58	IN	35.00
WTR YR 1978	TOTAL	66467	MEAN	182	MAX	2800	MIN	47	CFSM	1.91	IN	25.89

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.76	6.29	---	7.49	9.47	7.14	6.00	5.87	5.66	5.76	6.07	5.82
2	5.90	6.38	---	6.93	11.59	6.67	5.97	5.84	5.67	5.67	5.65	5.58
3	6.29	7.09	---	6.64	12.07	6.49	5.94	8.75	5.88	5.52	5.52	5.48
4	6.04	7.20	---	6.46	10.29	6.72	5.91	10.20	6.27	5.44	5.45	5.43
5	5.78	10.29	---	6.36	8.56	6.40	5.89	7.82	6.02	5.43	5.39	5.40
6	5.69	12.58	---	6.31	7.83	6.23	5.88	6.60	5.80	5.46	5.40	5.37
7	5.65	10.96	---	6.31	7.42	6.58	5.87	6.38	5.74	5.44	5.58	5.34
8	5.63	8.42	---	7.49	7.16	8.72	5.86	7.12	5.77	5.50	5.45	5.31
9	5.68	8.72	---	9.38	6.97	9.46	5.83	11.60	5.83	5.88	5.98	5.31
10	5.76	11.52	---	8.92	6.82	7.73	5.81	10.21	5.81	5.52	5.99	5.33
11	7.57	10.64	---	7.33	6.70	7.02	5.99	7.76	5.67	5.50	5.78	5.33
12	8.95	7.95	---	7.11	6.60	6.73	7.52	6.73	5.66	5.48	5.59	5.33
13	7.16	7.10	---	7.81	6.69	6.55	8.87	6.40	5.71	5.45	5.75	5.37
14	6.31	6.75	---	7.49	7.03	6.61	8.95	6.21	5.71	5.41	5.62	5.51
15	6.03	---	---	6.94	6.72	7.17	7.17	6.05	5.61	5.42	5.68	5.75
16	5.88	---	---	6.70	6.48	6.70	6.49	5.94	5.56	5.73	5.56	5.64
17	5.78	---	---	7.02	6.40	6.36	6.57	6.24	5.55	5.66	5.44	5.65
18	5.72	---	---	7.76	6.36	6.20	8.25	8.21	5.54	5.47	5.40	5.57
19	5.68	---	---	7.83	6.32	6.13	10.00	8.44	5.52	5.43	5.37	5.44
20	5.66	---	---	8.41	6.26	6.08	11.55	6.79	5.51	5.58	5.37	5.38
21	5.64	---	6.72	7.94	6.21	6.13	7.96	6.25	5.49	5.62	5.39	5.34
22	5.62	---	6.51	7.25	6.17	6.55	6.73	6.06	5.52	5.66	5.37	5.33
23	5.61	---	6.39	6.94	6.13	6.44	6.38	6.09	5.55	5.97	5.46	5.33
24	5.95	---	6.34	7.61	6.13	6.42	6.19	5.92	5.53	5.75	5.73	5.40
25	15.23	---	6.33	12.76	6.11	7.63	6.09	5.83	5.55	5.58	5.49	5.31
26	14.38	---	6.28	15.07	6.15	7.53	7.01	5.78	5.90	5.52	5.38	5.29
27	11.14	---	6.19	13.03	6.37	6.56	6.70	5.77	5.88	6.36	5.35	5.35
28	8.17	---	6.13	10.33	6.32	6.31	6.13	5.93	5.54	6.37	5.36	8.31
29	7.13	---	6.36	8.75	---	6.18	5.97	5.79	5.47	5.80	6.02	7.74
30	6.72	---	7.98	8.03	---	6.10	5.90	5.73	5.49	5.71	7.68	6.00
31	6.46	---	8.76	8.36	---	6.04	---	5.69	---	8.18	6.63	---
MEAN	6.93	---	---	8.15	7.26	6.76	6.85	6.90	5.68	5.72	5.67	5.62
MAX	15.23	---	---	15.07	12.07	9.46	11.55	11.60	6.27	8.18	7.68	8.31
MIN	5.61	---	---	6.31	6.11	6.04	5.81	5.69	5.47	5.41	5.35	5.29

MISSISSIPPI RIVER DELTA

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

LOCATION.--Lat 30°29'40", long 90°10'10", in SW¼ sec.26, T.6 S., R.10 E., St. Helena Meridian, St. Tammany Parish, Hydrologic Unit 08090201, at bridge on U.S. Highway 190, and 4.0 mi (6.4 km) west of Covington.

DRAINAGE AREA.--145 mi² (376 km²).

PERIOD OF RECORD.--Water years 1959, 1966-68, 1978.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to September 1978.

WATER TEMPERATURES: April 1978 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 45 micromhos Apr. 29, May 21, 22, June 29, Sep. 4, 1978; minimum daily, 23 micromhos May 3, 1978.

WATER TEMPERATURES: Maximum daily, 28.0°C May 10, June 24, Aug. 31, 1978; minimum daily, 17.0°C May 5, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANECUS (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- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS, DIS- SOLVED (MG/L AS CACO3)
NOV 07...	1015	--	38	6.2	16.5	100	25	8.3	2.6	--	K3300	8
DEC 15...	0900	--	38	6.3	18.5	30	15	9.2	3.2	4000	--	9
JAN 27...	0915	--	33	6.1	7.5	80	35	10.6	3.2	K25000	K29000	6
FEB 24...	1040	--	38	6.5	9.5	50	5	10.2	1.3	K20	K160	7
MAR 15...	1415	--	40	6.4	21.0	30	10	8.7	1.4	620	--	9
APR 28...	1030	129	46	6.0	18.0	50	15	8.6	2.6	2900	230	9
MAY 15...	1215	127	40	6.3	21.0	40	10	7.8	--	K75	1000	10
JUN 06...	1030	127	36	6.2	24.0	50	10	7.9	1.3	530	1400	7
JUL 20...	1115	128	40	6.2	26.0	40	15	6.2	1.5	K730	11000	8
AUG 24...	1330	78	36	6.1	26.0	10	8	7.9	.5	360	1900	6
SEP 06...	1030	65	42	6.8	24.0	20	6	7.7	.8	--	--	8

DATE	HARD- NESS, NONCAR- BONATE, DIS- (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 AU- 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, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 07...	1	1.8	.8	2.3	30	.4	2.9	8	0	7	2.9	4.4
DEC 15...	2	1.9	1.0	2.7	34	.4	2.1	8	0	7	2.9	5.9
JAN 27...	4	1.4	.6	1.6	28	.3	2.4	2	0	2	4.6	3.8
FEB 24...	0	1.5	.8	6.2	60	1.0	1.6	14	0	11	1.6	5.0
MAR 15...	0	2.3	.9	3.6	41	.5	1.5	16	0	13	2.1	3.2
APR 28...	3	2.0	.9	2.7	31	.4	3.2	7	0	6	3.9	4.9
MAY 15...	1	2.5	1.0	5.3	48	.7	1.7	11	0	9	4.9	6.7
JUN 06...	0	1.9	.5	3.3	38	.5	1.5	10	0	8	--	4.1
JUL 20...	0	1.5	1.1	2.9	37	.4	1.9	11	0	9	3.5	4.1
AUG 24...	0	1.6	.6	3.9	52	.7	1.1	10	0	8	1.2	4.2
SEP 06...	0	1.8	.9	5.2	52	.8	1.8	12	0	10	1.7	6.0

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

MISSISSIPPI RIVER DELTA

07375050 TCHFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)
NOV 07...	.1	5.7	32	25	.04	--	.43	--	--	.64	--	--
DEC 15...	.0	6.8	36	27	.05	--	.24	.14	--	--	--	--
JAN 27...	.0	3.5	20	19	.03	--	.29	.27	.54	.81	.09	.72
FEB 24...	.0	10	29	34	.04	--	.15	.10	.16	.26	.00	.26
MAR 15...	.0	8.3	31	30	.04	--	.28	.09	.67	.76	.15	.61
APR 28...	.0	8.7	41	30	.06	14.3	1.1	.18	.76	.94	.44	.50
MAY 15...	.0	11	34	39	.05	11.7	.15	.03	--	--	--	.50
JUN 06...	--	--	29	31	.04	9.94	.36	.00	.44	.44	.17	.27
JUL 20...	.0	9.8	32	31	.04	11.1	.33	.11	.61	.72	.02	.70
AUG 24...	.0	13	34	31	.05	7.16	.14	.02	.32	.34	.00	.34
SEP 06...	.0	13	39	36	.05	6.84	.21	.03	.35	.38	.00	.41

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
NOV 07...	1.1	4.7	.17	--	--	--	--	900	67	106	--
DEC 15...	--	--	.12	.05	--	--	--	--	22	162	--
JAN 27...	1.1	4.9	.21	.10	--	14	1.8	--	67	85	--
FEB 24...	.41	1.8	.05	.03	2.1	--	--	--	75	8	--
MAR 15...	1.0	4.6	.18	.14	5.2	--	--	2200	60	36	--
APR 28...	2.0	9.0	.18	.08	--	13	1.2	--	84	43	15
MAY 15...	--	--	.04	.03	4.4	--	--	--	85	47	16
JUN 06...	.80	3.5	.11	.04	3.2	--	--	--	52	66	23
JUL 20...	1.1	4.6	.11	.07	--	6.6	.5	--	76	48	17
AUG 24...	.48	2.1	.06	.03	2.8	--	--	--	98	22	4.6
SEP 06...	.59	2.6	.07	.06	3.8	--	--	--	86	23	4.0

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WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 27...	0	0	0	0	0	0	30	10	20
APR 28...	0	0	0	0	0	0	0	0	0
JUL 20...	0	0	0	0	0	0	10	0	10

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	40	43	37	33	38
2							---	37	38	34	---	42
3							---	23	37	32	38	36
4							---	29	37	34	38	45
5							---	28	34	43	38	42
6							---	34	36	39	38	40
7							---	41	41	36	38	38
8							---	41	37	35	35	36
9							---	38	36	35	---	36
10							---	34	35	---	29	35
11							---	34	36	33	34	35
12							---	38	37	41	36	34
13							---	42	36	43	38	34
14							---	40	37	38	37	34
15							---	40	35	34	37	33
16							---	39	35	35	39	31
17							---	39	34	---	37	35
18							---	30	36	34	---	38
19							---	32	36	---	37	36
20							---	42	35	39	38	37
21							---	45	36	36	40	38
22							---	45	35	34	36	39
23							---	43	34	34	37	37
24							---	41	33	33	36	36
25							---	39	33	33	34	35
26							---	41	34	---	34	34
27							---	39	32	36	35	36
28							---	40	32	29	39	34
29							45	41	45	33	42	29
30							44	37	41	31	38	---
31							---	39	---	30	34	---
MONTH							---	38	36	35	37	36

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	20.0	23.0	25.0	25.0	23.0
2							---	20.0	24.0	25.0	---	23.0
3							---	24.0	24.0	25.0	25.0	20.0
4							---	18.0	23.0	26.0	25.0	23.0
5							---	17.0	23.0	25.0	25.0	22.0
6							---	20.0	25.0	26.0	25.0	23.0
7							---	20.0	25.0	26.0	23.0	23.0
8							---	21.0	25.0	25.0	25.0	24.0
9							---	22.0	25.0	26.0	---	24.0
10							---	28.0	25.0	---	24.0	23.0
11							---	21.0	24.0	25.0	24.0	23.0
12							---	20.0	24.0	---	24.0	26.0
13							---	22.0	25.0	25.0	23.0	25.0
14							---	20.0	23.0	25.0	24.0	23.0
15							---	20.0	23.0	25.0	24.0	23.0
16							---	22.0	24.0	26.0	24.0	23.0
17							---	20.0	24.0	---	24.0	23.0
18							---	23.0	24.0	25.0	---	24.0
19							---	23.0	24.0	---	25.0	24.0
20							---	25.0	24.0	26.0	27.0	23.0
21							---	22.0	24.0	25.0	24.0	23.0
22							---	22.0	25.0	25.0	25.0	23.0
23							---	22.0	25.0	24.0	24.0	27.0
24							---	22.0	25.0	23.0	25.0	24.0
25							---	23.0	26.0	24.0	25.0	24.0
26							---	23.0	24.0	---	24.0	23.0
27							---	23.0	26.0	24.0	24.0	24.0
28							---	23.0	26.0	25.0	25.0	23.0
29							18.0	23.0	---	24.0	25.0	20.0
30							20.0	23.0	25.0	24.0	24.0	---
31							---	23.0	---	25.0	28.0	---
MONTH							---	22.0	24.5	25.0	24.5	23.5

07375050 TCHFUNCTA RIVER NEAR COVINGTON, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NOV. 7, 1977 1015 HOURS

PHYTOPLANKTON 900 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	35	4
....DICTYOSPHAERIUM	35	4
....SELENASTRUM	52	6
...SCENEDESMACEAE		
....SCENEDESMUS	210	23
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	9	1
..ZYGNEMATALES		
...DESMIDIACEAE		
....CLOSTERIUM	9	1
....COSMARIUM	35	4
....STAUSTRUM	9	1
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...NAVICULACEAE		
....NAVICULA	9	1
....PINNULARIA	17	2
...NITZSCHIA		
....NITZSCHIA	26	3
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCOCCALES		
...CHROCOCCACEAE		
....ANACYSTIS	330	37
..HORMOGONALES		
...OSCILLATORIA		
....OSCILLATORIA	86	10
....LYNGBYA	43	5

MAR. 15, 1978 1415 HOURS

PHYTOPLANKTON 2,200 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...MICRACTINIACEAE		
....GOLENKINIA	27	1
...OOCYSTACEAE		
....ANKISTRODESMUS	63	3
....OOCYSTIS	1,000	47
....TETRAEDRON	9	0
...SCENEDESMACEAE		
....SCENEDESMUS	18	1
..ZYGNEMATALES		
...DESMIDIACEAE		
....STAUSTRUM	18	1
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...FRAGILARIACEAE		
....SYNEDRA	36	2
...GOMPHONEMACEAE		
....GOMPHONEMA	9	0
...NAVICULACEAE		
....NAVICULA	27	1
....PINNULARIA	9	0
...NITZSCHIA		
....NITZSCHIA	9	0
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCOCCALES		
...CHROCOCCACEAE		
....ANACYSTIS	72	3
..HORMOGONALES		
...NOSTOCACEAE		
....APHANIZOMENON	880	39
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	18	1
....TRACHELOMONAS	9	0

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA

LOCATION.--Lat 30°30'23", long 90°21'42", in lot 39, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi (1.9 km) west of Robert, 2.8 mi (4.5 km) downstream from Chapepeela Creek, and 6.0 mi (.7 km) east of Hammond.

DRAINAGE AREA.--646 mi² (1,673 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft (2.094 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 1,116 ft³/s (31.60 m³/s), 23.46 in/yr (596 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,500 ft³/s (1,430 m³/s) May 3, 1953, gage height, 23.13 ft (7.050 m); minimum discharge, 245 ft³/s (6.94 m³/s) Oct. 30 to Nov. 3, 1968; minimum gage height, 2.95 ft (0.899 m) Oct. 25, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1929 reached a stage of 27.1 ft (8.26 m), from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 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)
Oct. 25	1330	6530 185	15.08 4.596	Jan. 26	1330	9690 274	16.33 4.977
Nov. 6	1500	5320 151	14.30 4.359	Feb. 3	0945	5810 165	14.64 4.462
Dec. 1	1400	*13800 391	*17.57 5.355	May 9	0900	6550 185	15.09 4.599

Minimum discharge, 510 ft³/s (14.4 m³/s) June 29, 30; minimum gage height, 5.71 ft (1.740 m) Sept. 26, 27.

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	564	679	13000	1420	2610	1200	678	564	588	663	842	1710
2	602	896	11500	1160	4690	1050	656	559	616	756	622	1080
3	804	1710	6850	1030	5680	960	641	1380	641	589	576	832
4	701	2470	3170	950	4090	920	628	1670	1150	542	554	719
5	717	4060	2040	898	2370	880	618	1160	1380	590	540	659
6	626	5150	1630	869	1900	850	611	791	1000	621	586	620
7	568	3870	1420	855	1600	1060	605	698	830	546	841	597
8	544	2030	1320	1820	1400	1760	602	3100	828	697	632	583
9	556	2340	1210	2690	1350	1570	595	6120	862	1430	628	572
10	756	2890	1210	2310	1280	1190	589	4560	810	756	641	560
11	2870	2250	1130	1550	1200	1030	672	2600	712	673	637	554
12	2500	1390	1100	1460	1100	942	1060	1620	651	582	575	547
13	1580	1130	1060	1590	1120	889	1780	1200	616	550	595	550
14	960	995	1960	1450	1220	926	1620	1020	592	552	676	573
15	857	903	2420	1220	1180	1070	1110	897	573	548	1130	672
16	756	848	1840	1060	1100	1030	870	810	558	1230	1620	795
17	695	802	1610	1180	1000	911	754	1280	548	1080	932	752
18	661	767	1610	1520	980	855	722	3290	540	663	707	626
19	634	731	1470	1660	960	812	1370	2790	538	621	618	580
20	618	723	1200	1840	940	776	1280	1640	532	579	591	573
21	608	846	966	1710	920	767	861	1080	526	573	614	555
22	599	2860	924	1360	900	779	729	910	538	607	569	545
23	591	4370	860	1180	890	789	668	969	556	584	588	538
24	845	3380	826	1690	890	859	633	832	572	592	654	599
25	5810	1880	804	5450	880	1230	610	741	540	559	574	562
26	4490	1390	780	9240	1000	1160	616	695	563	634	549	533
27	2040	1150	748	8100	1100	952	626	666	534	1160	543	539
28	997	1600	724	5440	1000	857	589	659	519	1840	557	934
29	872	3940	906	3000	---	790	576	641	514	1170	1420	1210
30	783	7100	1880	2000	---	753	568	615	519	853	2950	733
31	723	---	1900	1890	---	721	---	599	---	1820	2810	---
TOTAL	36927	65150	70068	69592	45350	30338	23937	46156	19946	24660	26371	20902
MEAN	1191	2172	2260	2245	1620	979	798	1489	665	795	851	697
MAX	5810	7100	13000	9240	5680	1760	1780	6120	1380	1840	2950	1710
MIN	544	679	724	855	880	721	568	559	514	542	540	533
CFSM	1.84	3.36	3.50	3.48	2.51	1.52	1.24	2.30	1.03	1.23	1.32	1.08
IN.	2.13	3.75	4.03	4.01	2.61	1.75	1.38	2.66	1.15	1.42	1.52	1.20

CAL YR 1977	TOTAL	585406	MEAN	1604	MAX	31900	MIN	370	CFSM	2.48	IN	33.71
WTR YR 1978	TOTAL	479397	MEAN	1313	MAX	13000	MIN	514	CFSM	2.03	IN	27.61

MISSISSIPPI RIVER DELTA

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07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.43	6.49	17.35	8.58	11.22	---	6.49	6.06	6.17	6.37	6.87	9.19
2	6.57	7.13	16.91	7.90	13.75	---	6.42	6.04	6.27	6.72	6.18	7.53
3	7.19	9.28	15.11	7.53	14.53	---	6.37	8.36	6.37	6.17	5.98	6.80
4	6.91	11.00	12.08	7.29	13.20	---	6.33	9.19	7.82	5.96	5.89	6.46
5	6.95	13.18	10.10	7.14	10.82	---	6.29	7.88	8.48	6.15	5.82	6.26
6	6.67	14.07	9.20	7.06	---	7.00	6.26	6.83	7.44	6.28	5.99	6.13
7	6.44	12.92	8.72	7.01	---	7.58	6.24	6.56	6.95	5.97	6.85	6.03
8	6.34	10.03	8.52	9.53	---	9.42	6.22	11.48	6.94	6.46	6.22	5.96
9	6.44	10.66	8.27	11.43	---	8.96	6.19	14.81	7.04	8.57	6.19	5.91
10	7.04	11.80	8.25	10.65	---	7.96	6.17	13.66	6.89	6.72	6.25	5.86
11	11.60	10.51	8.17	8.89	---	7.51	6.46	11.18	6.60	6.45	6.23	5.84
12	11.05	8.51	7.98	8.68	---	7.27	7.60	9.08	6.40	6.11	5.98	5.80
13	8.97	7.80	7.89	9.00	---	7.11	9.47	8.00	6.28	5.96	6.06	5.82
14	7.31	7.42	9.92	8.64	---	7.22	9.07	7.50	6.18	5.95	6.36	5.92
15	7.02	7.15	10.90	8.07	---	7.65	7.75	7.14	6.10	5.92	7.67	6.29
16	6.73	6.99	9.65	7.62	---	7.52	7.06	6.89	6.04	7.94	9.02	6.69
17	6.55	6.87	9.15	7.94	---	7.18	6.73	8.07	5.99	7.58	7.13	6.56
18	6.44	6.77	9.16	8.82	---	7.01	6.63	12.36	5.95	6.34	6.46	6.14
19	6.35	6.66	8.85	9.17	---	6.89	8.42	11.58	5.94	6.18	6.16	5.95
20	6.29	6.64	8.23	9.61	---	6.79	8.21	9.11	5.90	6.01	6.05	5.92
21	6.25	6.99	7.76	9.30	---	6.77	7.03	7.66	5.87	5.97	6.14	5.84
22	6.21	11.57	7.51	8.43	---	6.80	6.65	7.17	5.94	6.11	5.95	5.79
23	6.18	13.52	7.33	7.95	---	6.83	6.46	7.34	6.03	6.02	6.03	5.75
24	6.90	12.35	7.23	9.15	---	7.03	6.34	6.95	6.09	6.05	6.29	6.03
25	14.53	9.71	7.17	14.24	---	8.07	6.26	6.69	5.95	5.91	5.97	5.87
26	13.51	8.49	7.10	16.17	---	7.89	6.28	6.55	6.06	6.18	5.86	5.73
27	10.02	7.86	7.01	15.75	---	7.29	6.32	6.45	5.92	7.74	5.83	5.76
28	7.41	8.94	6.94	14.33	---	7.02	6.17	6.43	5.84	9.57	5.89	7.08
29	7.06	13.05	7.44	11.84	---	6.83	6.11	6.37	5.81	7.83	8.41	7.91
30	6.81	15.23	9.74	9.99	---	6.73	6.08	6.28	5.83	6.90	11.87	6.49
31	6.63	---	9.76	9.76	---	6.63	---	6.21	---	9.48	11.61	---
MEAN	7.64	9.65	9.34	9.60	---	---	6.80	8.25	6.37	6.70	6.75	6.31
MAX	14.53	15.23	17.35	16.17	14.53	8.03	9.47	14.81	8.48	9.57	11.87	9.19
MIN	6.18	6.49	6.94	7.01	---	6.63	6.08	6.04	5.81	5.91	5.82	5.73

MISSISSIPPI RIVER DELTA

301002089441300 RIGOLETS NEAR LAKE PONTCHARTRAIN, NEAR SLIDELL, LA (CE 85700)

LOCATION.--Lat 30°10'02", long 89°44'13", T.10 S., R.15 E., Orleans Parish, Hydrologic Unit 08090203, at U.S. Highway 90 crossing, 6.4 mi (10.3 km) southeast of Slidell.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 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, 34.5°C Aug. 5, 1978; minimum daily, 3.5°C Jan. 19, 1978.

CHLORIDE: Maximum daily, 14,000 mg/L Sep. 1, 1977; minimum daily, 180 mg/L May 30, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 34.5°C Aug. 5; minimum daily, 5.5°C several days in January and February.

CHLORIDE: Maximum daily, 6,100 mg/L Nov. 19; minimum daily, 630 mg/L June 2.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	20.0	16.0	10.0	6.5	8.5	18.5	21.0	27.0	30.0	32.0	32.0
2	27.0	20.0	17.0	10.0	6.5	11.5	18.5	21.0	26.0	30.5	33.0	31.0
3	27.0	20.0	17.0	9.5	6.5	13.0	18.5	20.5	26.0	31.0	34.0	31.0
4	26.5	20.0	18.5	10.0	6.5	9.0	19.0	21.5	26.0	30.0	33.5	32.0
5	26.5	20.5	18.5	11.0	---	8.5	19.0	21.5	27.0	30.5	34.5	32.0
6	26.0	20.5	16.5	11.0	6.5	8.5	19.0	21.5	27.5	31.0	33.5	32.0
7	26.0	20.5	15.0	12.0	6.5	9.0	19.5	21.5	27.5	31.0	31.5	31.0
8	25.5	20.5	15.0	13.5	6.5	10.0	---	28.5	27.5	31.0	32.0	32.0
9	25.0	20.5	15.0	14.0	6.5	11.5	19.5	28.5	27.5	30.5	31.0	32.0
10	24.5	20.0	14.5	10.0	6.5	11.5	20.0	24.5	27.5	30.5	32.0	31.0
11	24.0	20.0	14.5	9.0	6.0	11.0	20.5	25.5	27.5	31.0	32.0	31.0
12	24.0	19.0	15.0	8.0	6.0	11.5	21.0	27.0	27.5	31.0	31.0	31.0
13	20.5	18.5	15.0	8.0	6.0	11.5	20.5	25.0	27.5	31.0	33.0	31.0
14	20.0	19.5	15.0	8.0	5.5	12.0	20.0	25.0	27.5	31.5	32.0	31.0
15	19.5	16.5	15.0	5.5	5.5	14.0	20.0	25.0	30.0	31.5	32.0	31.0
16	19.5	16.0	14.5	5.5	6.0	13.0	20.0	24.5	27.5	32.0	33.0	32.0
17	19.0	16.0	15.0	5.5	6.0	13.5	20.0	23.5	30.0	31.5	34.0	32.0
18	19.0	16.0	15.0	5.5	6.0	14.5	20.0	24.0	30.0	32.0	32.0	32.0
19	19.0	16.0	15.0	5.5	6.0	---	21.0	24.0	27.5	30.5	34.0	32.0
20	19.0	16.5	15.0	8.5	5.5	15.5	21.5	24.0	27.5	30.0	34.0	30.5
21	19.0	16.5	13.0	5.5	5.5	16.5	21.5	26.0	30.0	31.0	32.0	30.5
22	18.5	17.0	11.5	8.0	6.5	18.0	21.0	27.5	27.5	30.0	32.0	30.5
23	18.5	17.0	11.0	5.5	6.5	18.5	20.5	26.5	30.0	30.5	32.0	30.5
24	18.5	17.0	11.0	5.5	8.0	18.5	21.0	26.0	27.5	30.5	32.0	30.0
25	19.0	17.0	10.5	6.0	8.0	18.0	21.0	26.0	30.0	31.0	32.0	30.0
26	19.5	17.0	10.5	6.0	8.0	17.0	21.5	26.5	30.5	31.0	32.0	29.5
27	19.5	16.5	10.5	6.0	8.0	17.0	21.5	26.5	30.5	30.5	31.0	29.0
28	19.5	16.5	10.5	6.0	8.0	18.5	22.0	26.5	30.5	31.0	31.0	29.0
29	20.0	17.0	10.5	6.0	---	18.5	21.0	27.0	30.5	32.0	31.0	28.5
30	20.0	16.5	10.5	6.5	---	18.0	21.0	28.0	30.5	31.0	32.0	28.0
31	20.0	---	10.0	6.5	---	18.0	---	28.0	---	31.0	32.0	---
MONTH	22.0	18.0	14.0	8.0	6.5	14.0	20.5	25.0	27.5	31.0	32.5	31.0
YEAR	MAX	34.5	MIN	5.5	MEAN	21.0						

MISSISSIPPI RIVER DELTA

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301002089441300 RIGOLETS NEAR LAKE PONTCHARTRAIN, NEAR SLIDELL, LA (CE 85700)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2500	1000	2700	2100	1300	---	2200	2000	670	1200	2900	2400
2	3400	4200	2500	2200	1200	---	2300	2200	630	1300	2900	2100
3	3400	4200	2500	2100	1300	---	3000	3200	1300	1400	2900	2100
4	3500	4200	2500	2100	1400	---	2300	3500	1200	1200	2900	2100
5	3400	3300	2500	1600	---	---	1500	3400	1300	1400	3000	2100
6	3200	3200	2600	---	1200	---	1600	2200	1300	1300	2900	2300
7	3400	2900	1500	---	810	---	2200	2100	1600	1200	3000	2300
8	3300	2900	1500	---	1400	1600	1300	2100	1600	1400	3000	2300
9	1800	2800	1300	---	1400	1700	1400	2100	1500	1400	4800	2200
10	1700	2400	1300	---	1400	1400	1300	2000	1600	1300	4900	2200
11	1600	2500	1300	1700	1400	1100	1800	2000	1700	1400	2700	2200
12	1600	2400	1300	2000	930	1100	1800	2000	1600	2200	2600	2200
13	1700	2400	1000	1300	960	990	1800	2000	1600	2100	2500	1200
14	1700	2400	2400	2100	970	1000	1800	2000	1300	2100	2500	2300
15	---	2500	2400	2000	1400	1100	1500	2000	1600	2100	2500	2300
16	---	2700	2300	1900	1300	1200	1500	1100	900	2100	2100	2300
17	---	2500	2300	2000	1400	1200	1400	1100	2200	2100	2100	2300
18	---	2500	2700	1700	1400	1000	1400	1200	2200	2200	2100	3800
19	2000	6100	2300	1700	1300	---	1600	1200	2200	3900	2000	3800
20	2100	6000	2200	1500	1100	1100	1700	1400	2300	4000	2100	3000
21	2000	5000	2200	1700	960	1300	1700	1400	1700	4100	2000	3600
22	2100	3400	2200	1200	---	1400	2100	1400	1600	4500	2000	3500
23	1800	3200	2300	770	---	1300	2100	1400	1400	4600	2900	2700
24	2000	3100	2200	920	---	1400	2200	1000	1600	4600	3000	2800
25	4000	3100	1600	1400	---	1400	2200	1000	1500	4600	3100	2800
26	3700	2800	1600	1600	---	1400	2200	1200	1400	2100	2900	2700
27	4000	2900	1500	1600	---	1500	1900	1200	1400	2200	4600	2300
28	3800	2300	2100	1300	---	1400	1900	1300	1400	2200	5000	2400
29	1900	2200	2000	1100	---	700	1800	1000	1200	2200	4900	2400
30	1800	1900	2100	1100	---	800	700	1000	1300	2100	2500	2400
31	1800	---	2000	1200	---	900	---	910	---	2200	2400	---
MONTH	2600	3100	2000	1600	---	---	1800	1700	1500	2300	3000	2500
YEAR	MAX	6100	MIN	630	MEAN	2100						

MISSISSIPPI RIVER DELTA

301300089493000 LAKE PONTCHARTRAIN AT NORTH SHORE, NEAR SLIDELL, LA (CE 85685)

LOCATION.--Lat 30°13'00", long 89°49'30", T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090202, 3.1 mi (5.0 km) southwest of Slidell.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 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, 31.0°C June 25, 28, 30, July 2, 5, Aug. 5, 6, 1978; minimum daily, 4.0°C Jan. 18, 19, 1977, Jan. 15, 1978.

CHLORIDE: Maximum daily, 7,500 mg/L Aug. 30, 1976; minimum daily, 260 mg/L Aug. 9, 12, 13, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.0°C June 25, 28, 30, July 2, 5, Aug. 5, 6; minimum daily 4.0°C Jan. 15.

CHLORIDE: Maximum daily, 5,200 mg/L Nov. 8; minimum daily, 750 mg/L Feb. 3, Apr. 4.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	21.5	17.0	13.0	7.0	14.5	21.0	23.0	28.5	30.5	30.0	27.0
2	28.5	21.0	16.5	11.0	6.5	14.0	24.5	24.5	28.5	31.0	30.0	28.0
3	23.5	18.5	17.0	9.5	6.0	13.0	23.0	23.5	28.0	30.5	29.0	27.0
4	20.0	18.5	18.5	7.0	6.5	14.5	21.0	21.0	27.0	30.5	30.0	27.0
5	21.0	18.0	20.0	10.5	7.0	14.5	22.0	23.5	28.0	30.5	31.0	26.0
6	22.0	18.5	16.5	12.0	6.0	11.5	23.0	23.5	28.5	31.0	31.0	28.0
7	23.0	20.0	11.0	13.0	5.0	13.0	22.0	24.0	28.5	30.0	29.0	28.0
8	24.0	21.0	14.5	13.0	5.5	14.0	22.0	24.0	28.5	30.0	28.0	28.0
9	24.0	22.0	15.5	6.0	6.0	12.0	22.0	24.0	27.0	30.0	28.0	28.0
10	22.0	15.5	9.5	6.0	5.5	9.5	23.0	23.0	27.0	30.5	28.0	28.0
11	23.0	12.0	10.5	---	7.0	11.0	25.5	24.0	29.0	29.5	28.0	28.0
12	19.0	14.5	10.0	7.0	9.0	14.5	20.0	24.0	30.0	30.5	28.0	29.0
13	15.5	14.5	13.0	8.5	9.5	---	18.5	24.5	29.5	30.5	29.0	28.0
14	16.0	15.5	13.0	4.5	9.0	16.5	20.0	21.0	28.0	30.0	29.0	28.0
15	17.0	16.5	13.0	4.0	8.0	19.0	20.5	24.5	28.0	30.5	29.0	29.0
16	18.0	19.5	14.5	5.5	9.0	16.5	21.5	24.5	29.0	30.5	29.0	28.0
17	18.0	19.5	15.5	7.0	9.0	14.5	23.5	24.5	28.0	30.0	29.0	28.0
18	19.0	17.0	14.5	6.0	10.0	16.0	25.0	23.5	29.0	30.0	29.0	29.0
19	19.5	17.0	15.5	5.0	6.0	18.0	24.0	24.5	28.5	30.0	29.0	28.5
20	19.5	18.0	15.5	5.0	7.0	18.0	23.0	26.0	28.5	29.5	28.0	28.5
21	20.0	19.5	10.5	6.5	7.0	18.5	21.0	28.0	28.0	29.5	28.0	29.0
22	21.0	18.5	8.5	6.5	7.0	19.0	22.0	28.0	28.5	28.5	30.0	29.0
23	21.0	18.5	10.0	8.0	8.0	19.5	21.0	28.0	30.0	28.0	29.0	29.0
24	20.5	19.0	12.0	9.5	9.0	20.5	22.0	28.0	30.5	28.0	30.0	29.5
25	21.0	19.0	12.0	8.0	11.0	19.5	23.0	28.5	31.0	28.5	30.0	29.5
26	21.0	17.0	9.5	6.5	14.0	16.5	19.0	28.5	30.5	28.0	30.0	29.0
27	20.5	15.5	8.5	6.5	10.0	15.0	17.0	23.5	30.5	29.0	29.0	29.5
28	20.5	16.5	9.0	6.0	12.0	15.0	18.5	29.0	31.0	29.0	29.0	29.0
29	21.0	19.0	10.0	7.0	---	16.5	21.5	29.0	30.5	30.0	28.0	28.5
30	21.5	18.5	11.0	6.5	---	17.0	22.0	29.0	31.0	30.0	27.0	28.5
31	21.5	---	10.5	7.0	---	18.0	---	28.5	---	30.0	27.0	---
MONTH	21.0	18.0	13.0	7.5	8.0	15.5	21.5	25.5	29.0	30.0	29.0	28.5
YEAR	MAX	31.0	MIN	4.0	MEAN	20.5						

MISSISSIPPI RIVER DELTA

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301300089493000 LAKE PONTCHARTRAIN AT NORTH SHORE, NEAR SLIDELL, LA (CE 85683)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1700	2100	2300	1400	770	1200	980	1400	1300	1300	1300	2100
2	1800	2300	2300	1400	810	1200	1200	1400	1200	1400	1200	2000
3	1400	2400	2300	1200	750	1400	960	1600	1200	1300	2000	2500
4	1600	3400	2100	1200	770	1100	750	1200	1300	1400	1800	3500
5	2100	3400	2300	1600	780	1200	800	1200	1300	1400	1800	2200
6	2000	2500	1700	1600	1200	1200	830	1500	1300	1300	1400	2300
7	2500	2600	2100	1800	1200	1200	880	1600	1200	1400	1600	2300
8	2300	5200	2300	1700	1400	1800	990	1500	1200	1300	2600	2200
9	2100	2300	2000	1100	1300	1000	850	1400	1200	1300	3600	2000
10	2800	2200	2000	1400	1100	860	950	1000	1200	1400	1400	2200
11	2700	2000	2300	---	1400	960	1200	1600	1300	1400	1400	2100
12	4300	1900	2200	1600	1300	1000	1000	1600	1200	1200	1400	2100
13	1500	2600	2000	1500	1100	850	990	1400	1200	1200	1400	2300
14	1500	2300	1600	1400	1100	1000	1100	1100	1200	1300	2000	2200
15	1600	2300	2000	1100	1200	950	1000	1300	1200	1300	2500	2300
16	1400	2200	2000	1500	1300	920	1100	1200	900	1300	1600	2100
17	1400	2200	2000	1600	1300	930	1100	1500	900	1300	1500	2200
18	---	1400	1800	1600	1100	790	1200	1200	900	1300	1500	2200
19	2900	2600	1800	1200	1100	990	1100	1200	870	1300	1500	2200
20	1700	2900	1800	1400	1200	1000	1200	1100	1300	1400	1400	2400
21	2800	2900	2000	1200	1300	870	1200	1200	1000	2800	1400	2300
22	2900	2900	1700	1400	1200	800	1400	1200	960	2800	1800	2400
23	3000	3000	2000	1800	1000	900	1200	1200	1200	3000	1900	2200
24	3700	3000	1800	1500	1200	850	1500	1300	1200	3000	2100	2400
25	3900	2100	1600	1300	1200	990	1400	1300	1000	3000	2200	2200
26	3000	2000	1600	780	1000	850	1300	1300	1100	2100	2100	2300
27	1500	2700	1700	1200	1100	1100	1300	1300	900	1600	2200	2400
28	3100	2600	1800	830	1300	920	1400	1300	1200	1600	2100	3400
29	4300	2700	1600	790	---	890	1500	1400	1200	1500	3500	3200
30	3100	2300	1500	1300	---	900	1400	1300	1200	1600	2600	3200
31	5000	---	1700	790	---	1100	---	1300	---	1300	2100	---
MONTH	2500	2600	1900	1300	1100	1000	1100	1300	1100	1600	1900	2400
YEAR	MAX	5200	MIN	750	MEAN	1700						

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)

LOCATION.--Lat 30°15'00", long 89°57'20", T.9 S., R.12 E., St. Tammany Parish, Hydrologic Unit 08090202, 4.3 mi (6.9 km) southwest of Lacombe.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, (COLS. PER 100 ML)	COLIFORM, FECAL, IMMEDIATE, (COLS./100 ML)	HARDNESS, DIS-SOLVED (MG/L AS CaCO3)	HARDNESS, NONCARBONATE, DIS-SOLVED (MG/L AS CaCO3)
OCT 28...	0925	4880	7.3	40	5	7.2	82	3.2	--	--	480	450
NOV 16...	0830	7770	7.7	20	5	11.4	200	3.8	K40	K10	840	800
DEC 15...	1150	7360	7.4	5	3	10.8	300	1.4	K12	K8	760	720
JAN 16...	1015	6070	7.6	25	25	12.0	120	2.2	84	46	650	610
FEB 15...	0905	4290	7.3	15	15	11.6	91	3.2	<5	2	450	420
MAR 15...	1005	3360	7.7	20	20	10.8	58	3.3	140	17	320	290
APR 18...	1015	3480	7.1	20	20	9.7	50	4.0	--	680	340	310
MAY 22...	0935	1250	6.6	70	8	6.2	42	1.4	K200	K76	120	100
JUN 19...	1045	3810	7.4	20	7	7.5	48	.5	K8	<5	380	350
JUL 13...	1020	3520	7.6	5	4	8.3	46	1.3	K10	<5	330	290
AUG 29...	1100	8920	7.4	5	20	7.7	81	.7	1300	K10	900	870
SEP 11...	1020	3650	7.6	10	5	7.5	86	.7	1200	<5	340	310

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, TOTAL (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)
OCT 28...	36	95	--	--	--	--	35	0	29	2.8	190	1400
NOV 16...	56	170	--	--	--	--	45	0	37	1.4	320	2400
DEC 15...	57	150	1200	76	19	50	50	0	41	3.2	320	2200
JAN 16...	47	130	990	75	17	42	49	0	40	2.0	270	1800
FEB 15...	37	86	680	75	14	29	38	0	31	3.0	180	1300
MAR 15...	31	58	470	74	12	38	38	0	31	1.2	120	840
APR 18...	27	66	590	78	14	24	33	0	27	4.2	120	1000
MAY 22...	9.9	22	190	77	7.7	8.4	13	0	11	5.2	50	340
JUN 19...	28	75	630	77	14	29	36	0	30	2.3	160	1100
JUL 13...	28	62	580	78	14	25	40	0	33	1.6	140	1000
AUG 29...	62	180	1500	77	22	64	43	0	35	2.7	380	2800
SEP 11...	28	66	550	75	13	50	38	0	31	1.5	160	1000

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

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

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	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)
OCT 28...	12	<1.0	.00	.01	.01	.59	.04	2	1	1	10	10
NOV 16...	14	<1.0	.01	.00	.01	.78	.03	1	0	1	0	0
DEC 15...	14	<1.0	.09	.01	.10	.59	.06	0	0	0	0	0
JAN 16...	56	<1.0	.00	.00	.00	.60	.05	1	1	0	0	0
FEB 15...	24	<1.0	.10	.01	.11	.47	.05	1	1	0	10	10
MAR 15...	29	<1.0	.04	.02	.06	.84	.12	0	0	0	0	0
APR 18...	22	<1.0	.03	.01	.04	.57	.06	2	1	1	0	0
MAY 22...	75	<1.0	.03	.01	.04	.45	.02	1	1	0	0	0
JUN 19...	11	<1.0	.01	.03	.04	.55	.03	1	0	1	0	0
JUL 13...	8	<1.0	.00	.01	.01	.37	.03	3	0	3	10	10
AUG 29...	80	<1.0	.02	.03	.05	.49	.05	2	1	1	0	0
SEP 11...	4	<1.0	.00	.01	.01	.79	.04	1	0	1	0	0

DATE	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, 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)
OCT 28...	0	<10	<9	1	12	0	<10	<8	2	110	<100
NOV 16...	0	0	0	0	0	0	1	0	1	40	1
DEC 15...	0	0	0	0	0	0	2	0	2	30	2
JAN 16...	0	0	0	0	10	0	4	2	2	40	2
FEB 15...	0	0	0	0	0	0	11	9	2	20	1
MAR 15...	0	0	0	0	0	0	2	0	2	80	4
APR 18...	0	1	1	0	0	0	9	3	6	30	5
MAY 22...	0	0	0	0	10	0	5	1	4	190	4
JUN 19...	0	2	1	1	0	0	6	4	2	20	3
JUL 13...	0	2	1	1	10	0	4	3	1	20	5
AUG 29...	0	0	0	0	0	0	5	4	1	20	1
SEP 11...	0	1	1	0	10	0	5	0	5	20	3

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

MISSISSIPPI RIVER DELTA

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)
OCT 28...	<98	2	.0	.0	.0	<50	<48	2	0	0	0
NOV 16...	1	0	.0	.0	.0	4	2	2	0	0	0
DEC 15...	2	0	.0	.0	.0	4	3	1	0	0	0
JAN 16...	2	0	.0	.0	.0	5	4	1	0	0	0
FEB 15...	1	0	.3	.3	.0	5	5	0	0	0	0
MAR 15...	1	3	.0	.0	.0	0	0	0	0	0	0
APR 18...	2	3	.2	.0	.2	2	2	0	0	0	0
MAY 22...	3	1	.0	.0	.0	0	0	0	0	0	0
JUN 19...	3	0	.1	.1	.0	8	7	1	0	0	0
JUL 13...	4	1	.1	.1	.0	5	5	0	0	0	0
AUG 29...	1	0	.0	.0	.0	0	0	0	0	0	0
SEP 11...	3	0	.0	.0	.0	4	4	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 28...	20	0	20	9.7	.00	2	0	.0	.00	.000	.0	.000
NOV 16...	20	0	20	8.9	.00	1	0	.0	.00	.000	.0	.000
DEC 15...	20	10	10	6.9	.00	2	0	.0	.00	.000	.0	.000
JAN 16...	20	10	10	7.6	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	20	10	10	6.3	.00	2	0	--	--	--	--	--
MAR 15...	10	0	10	7.4	.00	0	0	.0	.00	.000	.0	.000
APR 18...	20	0	20	11	.00	2	0	.0	.00	.000	.0	.000
MAY 22...	10	0	10	13	.00	4	0	.0	.00	.000	.0	.000
JUN 19...	10	0	10	6.5	.00	2	0	.0	.00	.000	.0	.000
JUL 13...	10	0	10	6.5	.00	2	0	.0	.00	.000	.0	.000
AUG 29...	30	10	20	9.3	.00	1	0	.0	.00	.000	.0	.000
SEP 11...	10	0	10	6.7	.00	1	0	.0	.00	.000	.0	.000

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

MISSISSIPPI RIVER DELTA

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301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC 15...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.002	.00	.00
APR 18...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAY 22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN 19...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00
JUL 13...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	7.90	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	3.90	.000
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	10.0	.000
FEB 15...	--	--	--	--	--	--	--	--	--	--	11.4	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	28.5	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	--	--
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	2.31	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	3.65	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	8.74	.000
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.00	7.06	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	7.00	.000

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNTA RIVER, NEAR MADISONVILLE, LA (CE 85614)

LOCATION.--Lat 30°21'50", long 90°10'20", T.8 S., R.10 E., St. Tammany Parish, Hydrologic Unit 08090202, 3.2 mi (5.1 km) south of Madisonville.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 28...	0915	252	6.9	50	10	4.3	39	3.4	--	--	26	17
NOV 16...	0809	1710	7.1	50	15	11.0	75	4.3	170	44	170	150
DEC 15...	1125	875	6.6	65	45	10.2	110	1.3	K40	K30	91	70
JAN 16...	0945	3830	7.3	40	30	11.2	110	1.3	940	600	390	360
FEB 15...	0835	1700	6.8	40	6	11.1	24	2.1	340	--	170	150
MAR 15...	0940	2810	7.3	20	20	9.6	80	1.3	88	23	280	250
APR 18...	1000	1520	6.7	40	15	8.7	35	3.1	K220	K32	150	130
MAY 22...	0900	1070	7.1	50	10	7.8	34	1.5	<5	K8	110	88
JUN 19...	1020	1700	7.1	40	10	6.8	72	.2	<5	<5	170	150
JUL 13...	0955	2250	7.4	10	3	7.5	32	.7	<5	K10	220	200
AUG 29...	1045	2580	7.1	10	20	8.7	44	2.0	K220	80	240	220
SEP 11...	1000	2160	7.6	15	3	7.9	37	1.6	490	K10	210	180

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)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
OCT 28...	3.2	4.3	--	--	--	--	11	0	9	2.2	8.2	63
NOV 16...	16	32	--	--	--	--	22	0	18	2.8	65	460
DEC 15...	10	16	130	74	5.9	7.3	26	0	21	10	33	220
JAN 16...	30	76	610	76	13	26	36	0	30	2.9	160	1100
FEB 15...	16	32	260	75	8.6	11	23	0	19	5.8	65	460
MAR 15...	25	53	410	73	11	34	34	0	28	2.7	110	750
APR 18...	13	28	230	76	8.2	11	22	0	18	7.0	60	410
MAY 22...	11	20	160	74	6.6	8.2	27	0	22	3.4	42	280
JUN 19...	15	33	260	75	8.6	13	27	0	22	3.4	70	470
JUL 13...	17	44	360	76	10	15	29	0	24	1.8	95	630
AUG 29...	20	47	390	76	11	19	28	0	23	3.6	110	730
SEP 11...	17	41	330	76	9.9	16	38	0	31	1.5	94	610

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

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

MISSISSIPPI RIVER DELTA

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302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA RIVER, NEAR MADISONVILLE, LA (CE 85614)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	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)
OCT 28...	13	<1.0	.19	.01	.20	.78	.10	1	0	1	10	10
NOV 16...	27	<1.0	.15	.01	.16	1.5	.08	1	0	1	0	0
DEC 15...	68	<1.0	.47	.03	.50	.81	.16	2	1	1	0	0
JAN 16...	148	<1.0	.04	.01	.05	.62	.09	1	1	0	0	0
FEB 15...	28	<1.0	.22	.01	.23	.54	.07	1	0	1	0	0
MAR 15...	25	<1.0	.09	.01	.10	1.2	.13	0	0	0	0	0
APR 18...	21	<1.0	.08	.01	.09	.58	.07	2	2	0	0	0
MAY 22...	10	<1.0	.06	.03	.09	.68	.06	1	0	1	0	0
JUN 19...	15	<1.0	.14	.03	.17	.59	.03	1	0	1	0	0
JUL 13...	0	<1.0	.00	.01	.01	.89	.04	2	1	1	10	0
AUG 29...	51	<1.0	.04	.01	.05	.52	.05	1	0	1	0	0
SEP 11...	0	<1.0	.01	.01	.02	.53	.04	1	0	1	0	0
DATE	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, 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)
OCT 28...	0	<10	<9	1	0	0	<10	<3	7	230	<100	<98
NOV 16...	0	0	0	0	4	0	1	1	0	190	2	1
DEC 15...	0	0	0	0	0	0	11	10	1	330	4	3
JAN 16...	0	1	0	1	20	0	5	0	5	80	2	2
FEB 15...	0	0	0	0	0	0	5	1	4	150	2	2
MAR 15...	0	1	0	1	0	0	3	0	3	30	3	0
APR 18...	0	1	1	0	0	0	12	4	8	100	5	3
MAY 22...	0	0	0	0	5	0	6	2	4	130	8	8
JUN 19...	0	0	0	0	0	0	6	2	4	50	2	2
JUL 13...	10	1	0	1	0	0	4	2	2	20	8	7
AUG 29...	0	0	0	0	10	0	5	3	2	40	5	5
SEP 11...	0	0	0	0	0	0	6	0	6	30	2	2

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

MISSISSIPPI RIVER DELTA

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNTA RIVER, NEAR MADISONVILLE, LA (CE 85614)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 28...	2	.0	.0	.0	<50	<50	0	0	0	0	1.0
NOV 16...	1	.0	.0	.0	4	0	4	0	0	0	--
DEC 15...	1	.0	.0	.0	13	12	1	0	0	0	--
JAN 16...	0	.0	.0	.0	5	3	2	0	0	0	--
FEB 15...	0	.0	.0	.0	4	4	0	1	0	1	--
MAR 15...	3	.0	.0	.0	0	0	0	0	0	0	--
APR 18...	2	.1	.0	.1	0	0	0	0	0	0	--
MAY 22...	0	.0	.0	.0	0	0	0	0	0	0	--
JUN 19...	0	.0	.0	.0	3	3	0	0	0	0	--
JUL 13...	1	.1	.1	.0	6	5	1	0	0	0	--
AUG 29...	0	.0	.0	.0	2	2	0	0	0	0	--
SEP 11...	0	.0	.0	.0	3	3	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 28...	10	0	10	8.7	.00	2	0	.0	.00	.000	.0	.000
NOV 16...	20	0	20	7.7	.00	2	0	.0	.00	.000	.0	.000
DEC 15...	30	20	10	7.8	.00	3	0	.0	.00	.000	.0	.000
JAN 16...	20	0	20	8.6	.00	1	0	.0	.00	.000	.0	.000
FEB 15...	20	0	20	9.8	.00	8	0	.0	.00	.000	.0	.000
MAR 15...	10	0	10	6.7	.00	1	0	.0	.00	.000	.0	.000
APR 18...	20	0	20	8.9	.00	0	0	.0	.00	.000	.0	.000
MAY 22...	20	0	20	8.9	.00	4	0	.0	.00	.000	.0	.000
JUN 19...	5	0	5	7.4	.00	3	0	.0	.00	.000	.0	.000
JUL 13...	10	0	10	6.3	.00	6	0	.0	.00	.000	.0	.000
AUG 29...	10	0	10	7.2	.00	3	0	.0	.00	.000	.0	.000
SEP 11...	0	0	0	7.6	.00	4	0	.0	.00	.000	.0	.000

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

MISSISSIPPI RIVER DELTA

123

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA RIVER, NEAR MADISONVILLE, LA (CE 85614)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
DEC 15...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 16...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAR 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR 18...	.000	.000	.01	.001	.000	.000	.00	.000	.001	.000	.00	.00
MAY 22...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUN 19...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUL 13...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 29...	.000	.000	.01	.001	--	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.01	.001	--	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.00	0.0	.00	.00	.02	.03	.00	.870	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	12.7	8.00
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.02	.00	3.75	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	1.40	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	14.2	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.05	.00	.00	6.50	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.07	.00	.02	14.1	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.08	.01	.00	6.08	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.11	.03	.00	7.66	.000
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	.06	.01	.00	6.49	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	2.72	.000

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)

LOCATION.--Lat 30°19'45", long 90°16'15", T.8 S., R.9 E., Tangipahoa Parish, Hydrologic Unit 08090202, 6.8 mi (10.9 km) southeast of Lee Landing.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT 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, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT 28...	0920	121	6.4	40	15	6.2	34	1.4	--	--	13	7
NOV 16...	0815	834	6.9	60	10	9.2	91	2.8	840	200	82	70
DEC 15...	1135	825	6.4	50	10	8.1	120	1.3	220	98	82	69
JAN 16...	0925	176	6.8	50	25	10.8	30	2.0	1100	K480	22	11
FEB 15...	0815	206	6.6	20	8	9.5	7	2.1	80	K4	26	14
MAR 15...	0930	2800	7.2	20	20	9.6	49	1.7	84	34	270	250
APR 18...	0950	1660	7.0	30	30	10.3	45	3.0	<5	<5	170	140
MAY 22...	0845	912	6.9	50	20	7.9	37	1.5	K60	K2	95	71
JUN 19...	1010	1760	7.2	30	10	7.8	83	1.7	K200	K22	180	150
JUL 13...	0945	2200	7.1	5	6	7.8	34	1.6	<5	<5	220	200
AUG 29...	1040	2540	7.0	15	20	8.4	49	5.0	460	K180	240	220
SEP 11...	0945	2320	7.3	20	3	7.5	27	.5	3800	--	230	200

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 HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 28...	1.9	2.0	--	--	--	--	7	0	6	4.5	6.8	32
NOV 16...	8.1	15	--	--	--	--	15	0	12	3.0	30	210
DEC 15...	8.3	15	120	74	5.8	7.0	16	0	13	10	30	220
JAN 16...	3.7	3.2	23	66	2.1	2.7	14	0	11	3.6	7.2	39
FEB 15...	4.3	3.8	27	67	2.3	2.4	15	0	12	6.0	7.7	45
MAR 15...	25	51	400	72	11	52	33	0	27	3.3	110	710
APR 18...	--	31	250	75	8.4	12	31	0	25	5.0	66	450
MAY 22...	10	17	140	75	6.3	7.1	29	0	24	5.8	36	230
JUN 19...	15	34	270	75	8.8	13	30	0	25	3.0	73	480
JUL 13...	16	43	350	76	10	15	26	0	21	3.3	93	620
AUG 29...	19	46	400	77	11	18	28	0	23	4.5	110	710
SEP 11...	19	44	360	76	10	17	29	0	24	2.3	100	640

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

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

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)
OCT 28...	21	<1.0	.12	.00	.12	.65	.08	1	0	1	0	0
NOV 16...	22	<1.0	.18	.01	.19	.57	.11	2	0	2	0	0
DEC 15...	20	<1.0	.19	.01	.20	.51	.07	1	0	1	0	0
JAN 16...	58	<1.0	.27	.01	.28	.43	.11	1	1	0	0	0
FEB 15...	42	<1.0	.32	.01	.33	.34	.09	2	1	1	10	0
MAR 15...	29	<1.0	.09	.01	.10	.80	.14	1	0	1	0	0
APR 18...	48	<1.0	.28	.01	.29	.58	.11	2	1	1	0	0
MAY 22...	38	<1.0	.09	.02	.11	.44	.08	1	0	1	0	0
JUN 19...	15	<1.0	.01	.04	.05	.50	.07	1	0	1	0	0
JUL 13...	6	<1.0	.00	.01	.01	.82	.05	2	1	1	10	0
AUG 29...	56	<1.0	.04	.01	.05	.54	.06	1	0	1	10	10
SEP 11...	1	<1.0	.00	.01	.01	.65	.05	1	0	1	0	0

DATE	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)	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- PENDE 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- PENDE RECOV- ERABLE (UG/L AS PB)
OCT 28...	0	<10	<9	1	8	0	<10	<5	5	170	<100	<99
NOV 16...	0	0	0	0	8	0	2	1	1	220	2	2
DEC 15...	0	0	0	0	0	0	1	0	1	290	2	2
JAN 16...	0	1	0	1	0	0	3	1	2	170	1	1
FEB 15...	10	0	0	0	10	0	5	2	3	180	2	2
MAR 15...	0	0	0	0	0	0	3	0	3	30	3	0
APR 18...	0	1	1	0	0	0	6	0	6	50	--	--
MAY 22...	0	0	0	0	10	0	6	2	4	80	3	1
JUN 19...	0	0	0	0	0	0	5	1	4	20	0	0
JUL 13...	10	2	0	2	0	0	4	1	3	20	6	4
AUG 29...	0	0	0	0	10	0	5	3	2	20	23	23
SEP 11...	0	0	0	0	0	0	4	0	4	20	3	3

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

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 28...	1	.0	.0	.0	<50	<50	0	0	0	0	.9
NOV 16...	0	.0	.0	.0	4	2	2	0	0	0	--
DEC 15...	0	.0	.0	.0	3	3	0	0	0	0	--
JAN 16...	0	1.3	1.3	.0	3	1	2	0	0	0	1.0
FEB 15...	0	.5	.5	.0	4	4	0	0	0	0	1.0
MAR 15...	3	.0	.0	.0	2	0	2	0	0	0	--
APR 18...	2	.0	.0	.0	7	7	0	0	0	0	--
MAY 22...	2	.0	.0	.0	0	0	0	0	0	0	--
JUN 19...	0	.0	.0	.0	1	1	0	0	0	0	--
JUL 13...	2	.0	.0	.0	4	2	2	0	0	0	--
AUG 29...	0	.0	.0	.0	0	0	0	0	0	0	--
SEP 11...	0	.0	.0	.0	3	3	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 28...	10	0	10	8.1	.00	4	0	.0	.00	.000	.0	.000
NOV 16...	20	0	20	7.3	.00	2	0	.0	.00	.000	.0	.000
DEC 15...	10	0	10	10	.00	3	0	.0	.00	.000	.0	.000
JAN 16...	20	0	20	5.2	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	10	0	10	3.8	.00	5	0	.0	.00	.000	.0	.000
MAR 15...	10	0	10	6.6	.00	2	0	.0	.00	.000	.0	.000
APR 18...	30	10	20	9.9	.00	0	2	.0	.00	.000	.0	.000
MAY 22...	20	0	20	10	.00	4	0	.0	.00	.000	.0	.000
JUN 19...	10	5	5	6.2	.00	2	0	.0	.00	.000	.0	.000
JUL 13...	10	0	10	7.2	.00	6	0	.0	.00	.000	.0	.000
AUG 29...	10	0	10	9.3	.00	3	0	.0	.00	.000	.0	.000
SEP 11...	10	10	0	8.4	.00	2	0	.0	.00	.000	.0	.000

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

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	.000	.001	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.01	.002	.000	.000	.00	.000	.001	.001	.00	.00
DEC 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 15...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
APR 18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY 22...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00
JUN 19...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00
JUL 13...	.001	.000	.03	.000	.003	.000	.00	.000	.000	.001	.00	.00
AUG 29...	.000	.000	.02	.001	--	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.00	.000	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	1.80	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	.000	.000
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	2.50	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	--	--
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.00	7.74	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	3.01	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.06	.01	.01	7.52	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.01	25.1	4.50
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	14.1	.000
AUG 29...	.00	.00	.01	.00	0.0	.00	.00	.05	.01	.00	5.98	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	2.76	.000

MISSISSIPPI RIVER DELTA

07380230 PASS MANCHAC AT MANCHAC, LA (CE 85420)

LOCATION.--Lat 30°16'53", long 90°24'01", T.9 S., R.8 E., St. John the Baptist-Tangipahoa Parish line, Hydrologic Unit 08090202, at bridge on U.S. Highway 51, 10 mi (16.1 km) south of Ponchatoula, 0.4 mi (0.64 km) north of Galva, 0.2 mi (0.32 km) south of Manchac.

DRAINAGE AREA.--3,204 mi² (8,298 km²).

PERIOD OF RECORD.--Water years 1963, 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

REMARKS.--Samples collected by Corps of Engineers since October 1974 and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 30.0°C Aug. 13, 1977, July 19, 1978; minimum daily, 4.0°C Feb. 9, 10, 1978.

CHLORIDE: Maximum daily, 8,400 mg/L Apr. 19, 1977; minimum daily, 11 mg/L Aug. 19, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.0°C July 19; minimum daily, 4.0°C Feb. 9, 10.

CHLORIDE: Maximum daily, 1,400 mg/L Oct. 25, 30; minimum daily, 11 mg/L Aug. 19.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

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

MISSISSIPPI RIVER DELTA

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07380230 PASS MANCHAC AT MANCHAC, LA (CE 85420)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	380	700	420	120	270	86	210	920	270	280	350	400
2	410	1300	360	160	80	290	400	810	370	280	400	430
3	260	610	300	190	70	540	640	800	160	280	350	400
4	740	220	250	240	68	120	250	740	140	260	320	380
5	270	400	120	170	40	140	210	530	200	220	440	330
6	690	310	270	160	70	240	280	410	240	230	460	280
7	340	270	290	160	290	230	670	490	250	270	420	550
8	450	860	270	170	100	480	280	410	320	350	430	400
9	410	680	130	190	80	150	280	250	180	640	780	400
10	500	470	190	180	98	150	510	270	180	700	550	350
11	1300	460	150	300	120	85	900	220	450	740	320	350
12	870	460	100	330	80	320	360	320	230	740	350	350
13	590	810	120	360	370	330	380	210	200	410	380	330
14	380	810	60	240	59	410	290	210	250	370	380	330
15	330	760	68	190	280	120	190	220	450	340	400	350
16	360	740	82	320	170	110	160	300	500	320	400	350
17	310	580	250	220	150	82	170	530	700	340	420	300
18	410	660	190	260	150	68	200	240	750	520	23	320
19	350	1200	140	240	95	220	160	240	880	530	11	520
20	520	1300	290	220	130	400	140	190	750	370	14	560
21	590	380	180	270	74	700	490	170	750	100	540	310
22	650	540	140	250	80	320	600	220	700	760	550	290
23	1100	570	460	260	40	420	500	250	440	770	550	360
24	1200	1100	480	400	95	300	700	270	380	800	540	340
25	1400	430	460	200	170	280	750	300	390	720	480	400
26	490	430	320	210	180	200	440	200	480	370	530	1000
27	230	650	260	200	170	170	320	200	400	310	520	880
28	360	740	220	190	220	200	550	240	380	450	520	620
29	460	810	390	140	---	200	550	150	100	350	1000	340
30	1400	380	490	92	---	200	720	150	75	360	520	1200
31	1300	---	120	150	---	200	---	160	---	420	590	---
MONTH	610	650	240	220	140	250	410	340	390	440	440	450
YEAR	MAX	1400	MIN	11	MEAN	380						

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85403)

LOCATION.--Lat 30°17'30", long 90°18'00", T.9 S., R.9 E., St. John the Baptist Parish, Hydrologic Unit 08090202, 6.1 mi (9.8 km) east of Manchac.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	HARDNESS, DIS-SOLVED (MG/L AS CaCO3)	HARDNESS, NONCARBONATE, DIS. (MG/L AS CaCO3)
OCT 28...	0900	2160	7.2	40	6	6.7	52	.8	--	--	220	190
NOV 16...	0805	520	6.9	50	15	9.1	58	1.9	190	80	57	44
DEC 15...	1120	251	6.6	120	35	9.7	67	1.3	84	27	37	18
JAN 16...	0910	504	7.2	100	70	11.6	62	2.2	680	K580	57	36
FEB 15...	0800	306	7.0	50	65	11.4	28	3.4	K340	44	50	31
MAR 15...	0950	1300	7.2	40	30	9.2	39	.8	K20	12	140	110
APR 18...	0930	1830	7.1	20	20	9.6	34	2.2	<5	K2	190	160
MAY 22...	0830	863	7.0	50	10	7.7	31	1.4	K200	42	95	71
JUN 19...	1000	2960	7.3	20	8	7.3	99	.6	680	110	310	280
JUL 13...	0935	1590	7.0	20	7	6.7	28	.9	K90	K30	140	130
AUG 29...	1025	3390	7.2	15	35	7.2	46	1.6	K200	K20	330	310
SEP 11...	0930	1370	7.0	30	7	7.3	19	1.1	3600	--	120	100

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, TOTAL (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)
OCT 28...	19	43	--	--	--	--	32	0	26	3.2	78	570
NOV 16...	6.9	9.7	--	--	--	--	16	0	13	3.2	17	130
DEC 15...	6.8	4.8	32	63	2.3	3.8	23	0	19	9.2	8.6	54
JAN 16...	8.4	8.7	69	71	4.0	4.4	26	0	21	2.6	17	120
FEB 15...	10	6.0	39	61	2.4	3.2	23	0	19	3.7	18	72
MAR 15...	19	22	180	72	6.7	9.4	31	0	25	3.1	49	320
APR 18...	18	34	280	75	9.0	14	31	0	25	3.9	72	490
MAY 22...	10	17	130	73	5.8	6.9	29	0	24	4.6	34	220
JUN 19...	26	60	470	75	12	22	38	0	31	3.0	120	850
JUL 13...	11	28	250	78	9.1	12	21	0	17	3.4	60	420
AUG 29...	26	65	520	76	12	24	32	0	26	3.2	57	990
SEP 11...	10	24	200	76	7.8	9.8	26	0	21	4.2	53	360

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

MISSISSIPPI RIVER DELTA

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301730090180000 LAKE PONTCHARTRAIN AT PASS MANHAC, NEAR MANHAC, LA (CE 85430)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	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)
OCT 28...	7	<1.0	.14	.01	.15	.68	.12	1	0	1	0	0
NOV 16...	19	<1.0	.29	.01	.30	.67	.12	1	0	1	0	0
DEC 15...	34	<1.0	.25	.03	.28	.79	.13	2	1	1	0	0
JAN 16...	270	<1.0	.24	.02	.26	.56	.33	3	2	1	0	0
FEB 15...	162	<1.0	.25	.03	.28	.85	.21	3	2	1	0	0
MAR 15...	40	<1.0	.26	.01	.27	1.1	.17	0	0	0	0	0
APR 18...	23	<1.0	.24	.01	.25	.64	.10	2	1	1	0	0
MAY 22...	20	<1.0	.07	.01	.08	.60	.05	1	0	1	0	0
JUN 19...	8	<1.0	.08	.02	.10	.51	.04	1	0	1	5	5
JUL 13...	2	<1.0	.17	.01	.18	.96	.06	2	1	1	10	10
AUG 29...	81	<1.0	.09	.01	.10	.68	.08	2	1	1	0	0
SEP 11...	7	<1.0	.04	.01	.05	.83	.09	1	0	1	0	0

DATE	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, 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)
OCT 28...	0	<10	<10	0	5	0	10	1	9	160	<100	<100
NOV 16...	0	0	0	0	0	0	1	1	0	180	3	3
DEC 15...	0	0	0	0	20	0	5	2	3	480	2	2
JAN 16...	0	1	0	1	0	0	8	2	6	240	8	8
FEB 15...	0	0	0	0	10	0	6	2	4	140	2	1
MAR 15...	0	1	0	1	0	0	16	10	6	100	8	6
APR 18...	0	1	0	1	0	0	6	0	6	80	6	4
MAY 22...	0	0	0	0	10	0	8	4	4	90	4	4
JUN 19...	0	2	2	0	0	0	5	2	3	10	2	0
JUL 13...	0	2	1	1	10	0	5	1	4	60	7	3
AUG 29...	0	2	1	1	10	0	8	3	5	20	23	23
SEP 11...	0	0	0	0	10	0	8	0	8	80	4	4

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

MISSISSIPPI RIVER DELTA

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85430)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 28...	0	.0	.0	.0	<50	<50	0	0	0	0	--
NOV 16...	0	.0	.0	.0	5	5	0	0	0	0	--
DEC 15...	0	.0	.0	.0	8	7	1	0	0	0	1.2
JAN 16...	0	.0	.0	.0	7	0	7	0	0	0	--
FEB 15...	1	1.3	1.3	.0	4	4	0	0	0	0	1.0
MAR 15...	2	.0	.0	.0	4	4	0	0	0	0	--
APR 18...	2	.0	.0	.0	6	5	1	0	0	0	--
MAY 22...	0	.0	.0	.0	5	5	0	0	0	0	--
JUN 19...	2	.1	.1	.0	4	4	0	0	0	0	--
JUL 13...	4	.0	.0	.0	4	2	2	0	0	0	--
AUG 29...	0	.0	.0	.0	3	3	0	0	0	0	--
SEP 11...	0	.0	.0	.0	3	3	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 28...	20	0	20	9.6	.00	2	0	.0	.00	.000	.0	.000
NOV 16...	20	10	8	6.0	.00	5	0	.0	.00	.000	.0	.000
DEC 15...	20	0	20	11	.00	3	0	.0	.00	.000	.0	.000
JAN 16...	30	20	10	14	.00	1	--	.0	.00	.000	.0	.000
FEB 15...	20	0	20	11	.00	2	0	.0	.00	.000	.0	.000
MAR 15...	20	10	10	7.1	.00	2	0	.0	.00	.000	.0	.000
APR 18...	20	10	10	9.1	.00	0	0	.0	.00	.000	.0	.000
MAY 22...	10	0	10	8.0	.00	10	0	.0	.00	.000	.0	.000
JUN 19...	20	0	20	5.3	.00	3	0	.0	.00	.000	.0	.000
JUL 13...	10	0	10	7.5	.00	3	0	.0	.00	.000	.0	.000
AUG 29...	30	10	20	16	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	0	0	0	9.2	.00	4	0	.0	.00	.000	.0	.000

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

MISSISSIPPI RIVER DELTA

133

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85430)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC 15...	.000	.000	.00	.000	.000	.000	.00	.000	.001	.001	.00	.00
JAN 16...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAR 15...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
APR 18...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY 22...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.002	.00	.00
JUN 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 13...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.00	0.0	.00	.00	.04	.03	.00	.000	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.30	.000
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.05	.00	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	.000	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	1.40	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	32.4	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	3.74	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.07	.02	.01	6.69	.000
JUN 19...	.00	.00	6.0	.00	0.0	.00	.00	--	--	--	6.96	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	7.89	.000
AUG 29...	.00	.00	.06	.00	0.0	.00	.00	.03	.00	.00	--	--
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	1.52	.000

MISSISSIPPI RIVER DELTA

301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)

LOCATION.--Lat 30°15'00", long 90°30'00", T.9 S., R.7 E., St. John the Baptist Parish, Hydrologic Unit 08070204, 8.7 mi (14.0 km) southwest of Manchac.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	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, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 28...	0850	958	7.6	40	6	8.2	40	.6	--	--	110	79
NOV 16...	0750	1360	7.3	40	6	9.6	86	1.4	<5	<5	140	120
DEC 15...	1105	95	6.5	10	55	10.2	95	1.0	K28	26	19	6
JAN 16...	0850	223	7.4	120	60	12.0	43	2.3	1200	580	50	10
FEB 15...	0745	114	6.9	40	48	11.0	21	2.4	K40	34	30	12
MAR 15...	0905	157	6.8	70	35	9.6	25	1.0	<5	<5	27	6
APR 18...	0915	489	7.2	40	15	9.6	28	1.9	<5	<5	65	40
MAY 22...	0815	489	7.0	40	70	8.2	23	1.0	120	<5	75	47
JUN 19...	0945	615	7.0	40	6	7.7	41	1.3	K240	<5	74	51
JUL 13...	0920	482	6.9	20	4	7.0	22	1.1	<5	--	50	36
AUG 29...	1010	838	6.9	20	3	6.8	21	1.4	K48	K4	84	69
SEP 11...	0900	842	7.0	--	--	7.8	19	5.0	210	--	77	61

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)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 28...	13	18	--	--	--	--	34	0	28	1.4	36	250
NOV 16...	15	26	--	--	--	--	30	0	25	2.4	49	370
DEC 15...	4.5	2.0	9.2	47	.9	2.5	16	0	13	8.1	5.5	16
JAN 16...	11	5.5	25	50	1.5	3.3	49	0	40	3.1	8.5	40
FEB 15...	7.4	2.7	10	40	.8	2.0	22	0	18	4.4	7.7	15
MAR 15...	6.3	2.7	18	55	1.5	4.0	26	0	21	6.6	18	28
APR 18...	9.7	10	73	69	3.9	4.7	30	0	25	3.0	22	130
MAY 22...	12	11	75	67	3.8	5.1	35	0	29	5.6	21	130
JUN 19...	8.1	13	88	70	4.5	5.6	28	0	23	4.5	27	160
JUL 13...	3.7	10	76	74	4.7	4.9	17	0	14	3.4	19	130
AUG 29...	7.2	16	130	75	6.2	7.1	18	0	15	3.6	35	230
SEP 11...	6.1	15	130	77	6.4	6.7	20	0	16	3.2	35	230

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

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

MISSISSIPPI RIVER DELTA

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301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)
OCT 28...	2	<1.0	.22	.02	.24	.77	.14	--	--	1	0	0
NOV 16...	1	<1.0	.23	.01	.24	.67	.11	2	0	2	0	0
DEC 15...	40	:1.0	.19	.04	.23	.76	.17	2	1	1	0	0
JAN 16...	109	<1.0	.21	.02	.23	.77	.24	2	1	1	0	0
FEB 15...	58	<1.0	.22	.03	.25	.50	.14	2	1	1	0	0
MAR 15...	14	<1.0	.29	.02	.31	.72	.18	2	0	2	0	0
APR 18...	2	<1.0	.32	.01	.33	.58	.09	2	1	1	0	0
MAY 22...	11	<1.0	.09	.01	.10	--	.06	1	0	1	0	0
JUN 19...	7	<1.0	.05	.03	.08	.84	.04	1	0	1	5	0
JUL 13...	1	<1.0	.02	.01	.03	.73	.08	3	0	3	0	0
AUG 29...	11	<1.0	.04	.00	.04	.67	.07	2	1	1	0	0
SEP 11...	0	--	.01	.00	.01	.83	.05	1	0	1	10	10

DATE	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)	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- PENDE 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- PENDE RECOV- ERABLE (UG/L AS PB)
OCT 28...	0	1	1	0	5	0	3	0	3	510	1	0
NOV 16...	0	0	0	0	0	0	2	2	0	170	1	0
DEC 15...	0	0	0	0	0	0	7	2	5	480	2	2
JAN 16...	0	1	0	1	0	0	10	5	5	150	6	6
FEB 15...	0	0	0	0	10	0	6	3	3	180	1	0
MAR 15...	0	1	0	1	10	0	2	0	2	40	4	0
APR 18...	0	1	0	1	10	0	9	3	6	70	8	5
MAY 22...	0	0	0	0	0	0	5	1	4	140	0	0
JUN 19...	5	0	0	0	0	0	5	1	4	160	1	0
JUL 13...	0	1	1	0	0	0	4	1	3	150	5	2
AUG 29...	0	1	1	0	10	1	4	1	3	50	0	0
SEP 11...	0	0	0	0	0	0	5	0	5	40	4	4

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

MISSISSIPPI RIVER DELTA

301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 28...	1	.0	.0	.0	1	1	0	0	0	0	--
NOV 16...	1	.0	.0	.0	6	6	0	0	0	0	--
DEC 15...	0	.1	.1	.0	7	5	2	0	0	0	1.1
JAN 16...	0	.3	.3	.0	5	2	3	0	0	0	1.0
FEB 15...	1	.3	.3	.0	1	1	0	0	0	0	1.0
MAR 15...	4	.0	.0	.0	3	1	2	0	0	0	.0
APR 18...	3	.0	.0	.0	5	4	1	0	0	0	--
MAY 22...	0	.0	.0	.0	5	5	0	0	0	0	--
JUN 19...	1	.0	.0	.0	4	4	0	0	0	0	--
JUL 13...	3	.1	.1	.0	4	4	0	0	0	0	--
AUG 29...	0	.0	.0	.0	0	0	0	0	0	0	--
SEP 11...	0	.0	.0	.0	3	3	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR- TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 28...	20	10	10	9.0	.00	0	0	.0	.00	.000	.0	.000
NOV 16...	10	0	10	8.8	.00	4	0	.0	.00	.000	.0	.000
DEC 15...	20	0	20	10	.00	4	0	.0	.00	.000	.0	.000
JAN 16...	20	10	10	11	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	20	10	10	6.8	.00	2	0	.0	.00	.000	.0	.000
MAR 15...	10	10	0	6.7	.00	3	0	.0	.00	.000	.0	.000
APR 18...	20	10	10	7.1	.00	0	0	.0	.00	.000	.0	.000
MAY 22...	10	0	10	7.6	.00	4	0	.0	.00	.000	.0	.000
JUN 19...	20	0	20	7.8	.00	3	0	.0	.00	.000	.0	.000
JUL 13...	10	10	0	8.4	.00	2	0	.0	.00	.000	.0	.000
AUG 29...	10	0	10	7.2	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	0	0	0	7.8	.00	3	0	.0	.00	.000	.0	.000

MISSISSIPPI RIVER DELTA

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301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 28...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
DEC 15...	.000	.000	.01	.000	.000	.000	.00	.000	.001	.001	.00	.00
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 15...	.000	.000	.02	.001	.000	.000	.00	.000	.001	.002	.00	.00
MAR 15...	.000	.000	.01	.001	.000	.000	.00	.000	.001	.002	.00	.00
APR 18...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY 22...	.000	.001	.02	.001	.000	.000	.00	.000	.000	.002	.00	.00
JUN 19...	.000	.001	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
JUL 13...	.000	.000	.03	.001	.002	.000	.00	.000	.000	.002	.00	.00
AUG 29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.00	4.80	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.05	.02	.02	.530	.000
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.00	.000	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	.000	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	2.66	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	4.32	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.08	.01	.01	7.29	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.07	.01	.03	9.37	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.05	.01	.02	8.20	.000
AUG 29...	.00	.00	.03	.00	0.0	.00	.00	.04	.01	.01	5.65	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	2.78	.000

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in sec.26, T.7 S., R.5 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi (0.8 km) west of Holden, and 5.1 mi (8.2 km) upstream from Big Branch.

DRAINAGE AREA.--247 mi² (640 km²).

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

REVISED RECORDS.--WSP 1711: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft (5.837 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 362 ft³/s (10.17 m³/s) 19.90 in/yr (501 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,000 ft³/s (538 m³/s) May 23, 1974, gage height, 20.37 ft (6.209 m); minimum discharge, 65 ft³/s (1.84 m³/s) Oct. 1, 2, 3, 4, 1969; minimum gage height, 0.93 ft (0.283 m) Sept. 26, 27, Oct. 21, 22, 23, 24, 28, 29, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft³/s (57 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)
Nov. 5	0715	2180 61.7	9.14 2.786	Jan. 27	2100	3350 94.9	11.91 3.630
Nov. 24	0530	2110 59.8	8.98 2.737	Feb. 4	0330	2360 66.8	9.61 2.929
Dec. 1	1615	*9100 258	*17.90 5.456	May 10	0830	2480 70.2	9.90 3.018

Minimum discharge, 111 ft³/s (3.14 m³/s) Aug. 7, 8; gage height, 1.24 ft (0.378 m).

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	155	164	6980	531	1010	307	211	152	162	124	165	1030
2	156	458	5920	424	1620	361	202	149	172	122	138	578
3	161	953	4410	357	2160	329	194	369	170	121	128	289
4	176	1730	3340	315	2240	326	187	392	186	120	121	216
5	238	2120	2020	288	1720	313	184	296	275	120	117	180
6	186	2080	788	270	944	275	178	260	249	120	114	161
7	160	1920	553	261	561	353	175	325	205	129	111	148
8	151	992	454	553	468	527	173	1040	197	142	117	141
9	156	1090	408	1060	414	436	170	2010	187	130	120	136
10	150	1170	411	1290	377	360	168	2440	212	208	119	134
11	530	708	393	813	350	313	208	1060	209	232	120	129
12	770	494	357	563	329	278	333	447	160	208	121	127
13	645	384	360	543	339	258	630	339	162	140	121	126
14	494	325	696	508	369	260	679	280	155	136	156	125
15	322	286	1040	427	344	318	458	244	148	123	236	130
16	250	262	950	374	313	363	333	219	144	124	242	141
17	215	243	679	377	294	326	269	214	140	124	203	135
18	196	249	521	467	281	270	232	1130	138	124	167	130
19	185	246	459	606	270	241	226	1530	137	130	136	124
20	181	229	429	662	261	226	326	1270	135	121	170	123
21	176	344	377	677	250	225	258	531	134	123	250	122
22	173	1240	336	575	241	226	212	361	137	122	400	118
23	172	1880	309	450	235	222	190	299	138	118	300	116
24	185	2000	291	701	229	235	179	261	136	118	200	114
25	317	1340	277	1850	225	357	172	231	130	224	160	113
26	309	672	265	2660	285	573	164	207	127	180	127	117
27	231	443	255	3230	278	406	161	191	125	211	120	125
28	197	379	246	3170	256	315	156	181	124	269	200	146
29	180	1090	313	2580	---	269	154	176	124	200	400	158
30	172	3220	488	1590	---	243	153	170	127	220	859	128
31	167	---	577	785	---	225	---	163	---	228	1200	---
TOTAL	7756	28711	34902	28957	16663	9736	7335	16937	4845	4811	7138	5560
MEAN	250	957	1126	934	595	314	245	546	162	155	230	185
MAX	770	3220	6980	3230	2240	573	679	2440	275	269	1200	1030
MIN	150	164	246	261	225	222	153	149	124	118	111	113
CFSM	1.01	3.87	4.56	3.78	2.41	1.27	.99	2.21	.66	.63	.93	.75
IN.	1.17	4.32	5.26	4.36	2.51	1.47	1.10	2.55	.73	.72	1.08	.84

CAL YR 1977	TOTAL	226576	MEAN 621	MAX 14400	MIN 89	CFSM 2.51	IN 34.12
WTR YR 1978	TOTAL	173351	MEAN 475	MAX 6980	MIN 111	CFSM 1.92	IN 26.11

MISSISSIPPI RIVER DELTA

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07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	1.77	16.48	4.06	5.91	2.75	2.13	1.66	1.75	1.39	1.78	6.02
2	1.96	3.61	16.02	3.48	7.75	3.09	2.06	1.64	1.83	1.37	1.53	4.21
3	2.01	5.75	13.99	3.06	9.10	2.89	2.00	3.08	1.81	1.36	1.43	2.64
4	2.13	7.99	11.89	2.80	9.31	2.87	1.95	3.28	1.94	1.35	1.36	2.15
5	2.57	8.99	8.70	2.63	7.98	2.79	1.92	2.68	2.55	1.35	1.31	1.90
6	2.22	8.90	5.17	2.52	5.67	2.54	1.88	2.45	2.37	1.35	1.27	1.74
7	2.00	8.46	4.17	2.46	4.22	3.00	1.86	2.81	2.08	1.45	1.25	1.63
8	1.91	5.93	3.65	4.13	3.72	4.05	1.84	5.98	2.01	1.57	1.32	1.56
9	1.96	6.21	3.38	6.10	3.42	3.55	1.82	8.71	1.95	1.46	1.35	1.51
10	1.90	6.47	3.40	6.79	3.19	3.08	1.80	9.80	2.12	2.09	1.34	1.49
11	4.14	4.87	3.29	5.25	3.02	2.79	2.09	5.98	2.11	2.25	1.35	1.44
12	5.45	3.87	3.06	4.23	2.89	2.57	2.89	3.61	1.83	2.09	1.36	1.42
13	4.82	3.23	3.07	4.13	2.95	2.44	4.53	2.94	1.75	1.55	1.36	1.41
14	4.00	2.86	4.79	3.95	3.14	2.45	4.74	2.58	1.69	1.51	1.69	1.40
15	3.01	2.62	6.03	3.50	2.98	2.81	3.66	2.35	1.63	1.38	2.28	1.45
16	2.55	2.47	5.74	3.17	2.79	3.10	2.92	2.18	1.59	1.39	2.34	1.56
17	2.29	2.34	4.73	3.19	2.67	2.86	2.50	2.14	1.55	1.39	2.06	1.50
18	2.13	2.38	4.01	3.71	2.59	2.52	2.28	6.19	1.53	1.39	1.79	1.45
19	2.03	2.36	3.68	4.43	2.52	2.33	2.23	7.49	1.52	1.45	1.51	1.39
20	1.96	2.25	3.51	4.68	2.46	2.23	2.87	6.71	1.50	1.36	---	1.38
21	1.91	2.93	3.19	4.74	2.39	2.22	2.44	4.03	1.49	1.31	---	1.36
22	1.86	6.63	2.93	4.28	2.33	2.23	2.13	3.09	1.52	1.36	---	1.32
23	1.82	8.40	2.76	3.63	2.29	2.20	1.97	2.70	1.53	1.32	---	1.30
24	1.90	8.70	2.65	4.70	2.25	2.29	1.89	2.46	1.51	1.33	---	1.27
25	2.83	6.92	2.56	8.29	2.22	3.02	1.83	2.26	1.45	2.19	---	1.27
26	2.76	4.71	2.49	10.35	2.61	4.28	1.77	2.09	1.42	1.89	1.42	1.31
27	2.26	3.58	2.42	11.64	2.57	3.36	1.74	1.98	1.40	2.09	---	1.39
28	2.02	3.20	2.36	11.50	2.43	2.79	1.70	1.91	1.39	2.50	---	1.59
29	1.90	6.02	2.76	10.16	---	2.51	1.68	1.87	1.39	2.04	---	1.71
30	1.83	11.56	3.83	7.59	---	2.34	1.67	1.82	1.42	2.18	5.42	1.43
31	1.79	---	4.30	5.17	---	2.22	---	1.76	---	2.24	6.54	---
MEAN	2.45	5.20	5.19	5.17	3.83	2.78	2.29	3.56	1.72	1.64	---	1.77
MAX	5.45	11.56	16.48	11.64	9.31	4.28	4.74	9.80	2.55	2.50	6.54	6.02
MIN	1.79	1.77	2.36	2.46	2.22	2.20	1.67	1.64	1.39	1.31	1.25	1.27

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA

LOCATION.--Lat 30°30'15", long 90°32'45", in NE¼NW¼ sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) downstream from Still Branch, and 0.7 mi (1.1 km) west of Baptist.

DRAINAGE AREA.--79.5 mi² (205.9 km²).

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

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft (3.438 m) National Geodetic Vertical Datum of 1929. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft (30 m) upstream at same datum.

Remarks.--Records good. Records of dissolved oxygen and water temperatures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--35 years, 114 ft³/s (3.228 m³/s), 19.47 in/yr (495 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,550 ft³/s (270 m³/s) May 3, 1953, gage height, 19.73 ft (6.014 m); minimum discharge, 1.8 ft³/s (0.051 m³/s) Nov. 2-5, 1963; minimum gage height, 2.88 ft (0.878 m) Sept. 2, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,300 ft³/s (42.5 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)
Nov. 30	2145	*2530 71.7	*13.70 4.176	May 9	1200	1540 43.6	11.75 3.581
Jan. 25	1315	2020 57.2	12.85 3.917	Aug. 29	1945	1680 47.6	12.09 3.685

Minimum discharge, 12 ft³/s (0.34 m³/s) Aug. 19, 20, 26, 27, 28; minimum gage height, 3.26 ft (0.994 m) July 21.

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	26	31	2290	110	749	107	30	19	23	19	16	68
2	48	30	917	77	956	70	28	19	23	16	14	39
3	47	30	264	59	484	75	26	316	24	15	14	29
4	27	130	160	49	221	65	25	109	26	15	13	25
5	25	350	122	45	146	47	25	45	22	19	15	21
6	25	230	98	44	113	41	25	32	21	25	27	19
7	24	150	80	43	94	335	24	118	24	18	29	17
8	25	100	71	722	81	412	23	1110	64	20	15	18
9	40	260	98	401	71	173	22	1120	37	16	28	20
10	27	440	121	169	63	103	22	291	24	22	19	17
11	891	163	91	97	57	75	104	125	21	39	14	16
12	260	93	73	223	54	60	256	77	25	24	13	15
13	95	69	157	204	111	51	498	56	20	16	17	16
14	54	57	619	120	104	112	185	46	18	47	63	18
15	40	50	314	80	72	104	87	38	18	30	35	76
16	34	45	164	69	58	68	56	34	17	41	19	70
17	30	41	236	146	52	49	42	166	17	18	15	59
18	29	43	160	132	50	41	39	1160	17	15	13	32
19	28	41	100	315	45	37	41	305	17	14	12	23
20	27	39	77	226	41	36	62	122	16	14	158	24
21	26	287	62	132	39	47	48	70	16	15	105	26
22	26	904	53	89	36	40	36	51	36	17	20	20
23	26	503	47	72	34	36	31	41	20	15	20	17
24	88	224	44	797	33	76	28	38	17	23	17	14
25	350	127	42	1910	32	136	26	37	16	24	16	13
26	120	89	39	1480	83	82	23	31	16	25	13	15
27	70	70	37	582	51	53	22	29	16	383	12	95
28	40	113	36	240	95	41	21	29	15	154	250	104
29	35	410	268	169	---	36	20	27	16	109	1240	22
30	32	1900	381	147	---	34	20	24	18	26	736	16
31	31	---	183	296	---	31	---	23	---	19	173	---
TOTAL	2646	7019	7404	9245	4025	2673	1895	5708	660	1253	3151	964
MEAN	85.4	234	239	298	144	86.2	63.2	184	22.0	40.4	102	32.1
MAX	891	1900	2290	1910	956	412	498	1160	64	383	1240	104
MIN	24	30	36	43	32	31	20	19	15	14	12	13
CFSM	1.07	2.94	3.01	3.75	1.81	1.08	.79	2.31	.28	.51	1.28	.40
IN.	1.24	3.28	3.46	4.33	1.88	1.25	.89	2.67	.31	.59	1.47	.45

CAL YR 1977	TOTAL	79429.9	MEAN 218	MAX 7040	MIN 9.0	CFSM 2.74	IN 37.17
WTR YR 1978	TOTAL	46643.0	MEAN 128	MAX 2290	MIN 12	CFSM 1.61	IN 21.83

MISSISSIPPI RIVER DELTA

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07376500 NATALBANY RIVER AT BAPTIST, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	---	13.30	4.62	8.40	4.59	3.65	3.44	3.51	3.41	3.39	4.23
2	3.94	---	9.03	4.30	9.43	4.22	3.61	3.42	3.52	3.34	3.35	3.85
3	3.97	---	5.74	4.08	7.09	4.28	3.54	5.82	3.54	3.32	3.33	3.68
4	3.67	---	5.03	3.95	5.45	4.16	3.57	4.59	3.58	3.31	3.32	3.62
5	3.64	---	4.74	3.89	4.92	3.94	3.57	3.90	3.49	3.40	3.36	3.54
6	3.62	---	4.52	3.88	4.65	3.85	3.56	3.69	3.48	3.53	3.58	3.49
7	3.62	---	4.35	3.86	4.48	5.86	3.54	4.32	3.54	3.39	3.66	3.46
8	3.63	---	4.24	8.26	4.35	6.66	3.53	10.15	4.07	3.43	3.36	3.47
9	3.89	---	4.50	6.62	4.23	5.11	3.51	10.07	3.78	3.33	3.62	3.51
10	3.67	---	4.72	5.07	4.14	4.57	3.51	5.90	3.54	3.44	3.46	3.45
11	9.05	5.05	4.45	4.50	4.06	4.28	4.44	4.75	3.48	3.76	3.32	3.42
12	5.72	4.49	4.26	5.43	4.03	4.10	5.66	4.31	3.56	3.52	3.31	3.40
13	4.53	4.24	4.83	5.33	4.63	3.99	7.18	4.04	3.47	3.34	3.40	3.42
14	4.08	4.09	7.85	4.71	4.57	4.64	5.20	3.92	3.41	3.71	4.04	3.46
15	3.89	3.99	6.07	4.34	4.25	4.58	4.42	3.80	3.39	3.61	3.76	4.12
16	3.79	3.92	5.05	4.21	4.07	4.20	4.05	3.72	3.38	3.79	3.47	4.25
17	3.73	3.87	5.54	4.92	3.99	3.96	3.86	4.71	3.38	3.37	3.35	4.13
18	3.69	3.90	5.01	4.80	3.96	3.84	3.81	10.24	3.38	3.30	3.30	3.73
19	3.68	3.86	4.53	6.08	3.91	3.78	3.84	6.00	3.37	3.28	3.28	3.57
20	3.66	3.83	4.30	5.48	3.84	3.75	4.13	4.72	3.37	3.28	4.46	3.59
21	3.64	5.45	4.11	4.80	3.79	3.91	3.94	4.23	3.36	3.30	4.49	3.63
22	3.63	9.19	4.00	4.43	3.75	3.83	3.76	3.98	3.71	3.36	3.49	3.52
23	3.63	7.23	3.92	4.24	3.73	3.76	3.68	3.84	3.44	3.32	3.49	3.45
24	4.24	5.48	3.88	8.23	3.70	4.28	3.62	3.78	3.36	3.45	3.42	3.38
25	---	4.78	3.85	12.58	3.69	4.84	3.57	3.77	3.35	3.51	3.40	3.35
26	---	4.45	3.79	11.52	4.34	4.36	3.52	3.67	3.36	3.45	3.33	3.39
27	---	4.24	3.77	7.59	3.98	4.02	3.51	3.64	3.33	6.40	3.31	4.16
28	---	4.62	3.75	5.58	4.42	3.85	3.47	3.64	3.33	4.95	5.23	4.47
29	---	6.61	5.41	5.08	---	3.76	3.47	3.61	3.34	4.55	10.49	3.56
30	---	12.34	6.49	4.92	---	3.72	3.46	3.54	3.39	3.60	8.43	3.42
31	---	---	5.18	5.95	---	3.68	---	3.53	---	3.46	5.12	---
MEAN	---	---	5.17	5.59	4.64	4.27	3.94	4.73	3.47	3.62	4.01	3.66
MAX	---	12.34	13.30	12.58	9.43	6.66	7.18	10.24	4.07	6.40	10.49	4.47
MIN	3.62	---	3.75	3.86	3.69	3.68	3.46	3.42	3.33	3.28	3.28	3.35

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,504 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft (0.911) higher.

AVERAGE DISCHARGE.--28 years, 870 ft³/s (24.64 m³/s), 20.37 in/yr (517 mm/yr).

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 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)
Nov. 28	0830	8510 241	13.01 3.965	Feb. 2	1215	7030 199	12.08 3.682
Nov. 30	2345	*30500 864	*18.09 5.514	Aug. 30	0700	6630 188	11.79 3.594
Jan. 26	2130	12200 346	15.10 4.602				

Minimum discharge, 284 ft³/s (8.04 m³/s) Aug. 28, gage height, 3.87 ft (1.180 m).

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	339	321	21700	1050	3470	634	453	347	362	337	417	2120
2	390	1340	11400	770	6790	553	438	350	474	318	377	730
3	924	3220	4000	646	5380	613	426	510	698	316	328	532
4	1100	2730	1660	577	2560	598	417	1100	980	312	314	453
5	567	2080	1280	542	1480	525	408	702	746	1160	298	408
6	423	2630	1030	522	1180	501	397	498	510	605	294	377
7	377	1790	835	516	996	507	397	510	441	414	296	352
8	362	937	726	1260	885	638	393	1290	588	1150	302	340
9	1240	883	686	1930	786	616	387	2120	1280	623	306	326
10	876	806	666	1430	722	546	382	1880	702	426	595	324
11	1000	645	609	950	674	513	495	1390	486	377	432	322
12	1410	540	577	790	634	495	1000	742	426	357	377	320
13	786	482	598	795	885	486	1160	577	397	335	324	350
14	541	444	2610	722	1340	990	1020	507	372	322	367	370
15	452	421	2760	638	996	1440	734	471	357	320	1180	438
16	408	405	1720	602	766	996	577	426	345	335	750	815
17	380	400	1250	1270	670	714	498	786	342	357	417	642
18	367	383	1060	1360	623	588	574	3470	340	340	352	459
19	357	394	820	1400	591	532	619	1430	332	312	322	432
20	352	409	706	1690	556	501	1070	778	337	302	310	362
21	345	629	630	1380	532	498	626	581	326	300	308	330
22	339	4330	574	1040	510	532	477	525	367	306	308	318
23	331	3350	542	845	495	504	426	510	350	471	328	318
24	334	1550	525	1610	486	710	400	450	335	400	304	306
25	350	955	519	7670	480	1150	387	414	320	345	300	300
26	363	736	501	11500	474	985	385	395	314	326	296	298
27	346	860	480	10100	486	722	370	489	310	362	290	382
28	335	7280	465	3850	682	588	360	411	314	510	304	340
29	328	2940	535	1630	---	525	355	377	310	477	1810	320
30	325	15000	1370	1270	---	495	350	365	347	362	6430	312
31	324	---	1390	1890	---	471	---	352	---	714	4890	---
TOTAL	16371	58890	64224	62245	36129	20166	15981	24753	13808	13591	23926	13696
MEAN	528	1963	2072	2008	1290	651	533	798	460	438	772	457
MAX	1410	15000	21700	11500	6790	1440	1160	3470	1280	1160	6430	2120
MIN	324	321	465	516	474	471	350	347	310	300	290	298
CFSM	.91	3.38	3.57	3.46	2.22	1.12	.92	1.38	.79	.76	1.33	.79
IN.	1.05	3.78	4.12	3.99	2.32	1.29	1.02	1.59	.89	.87	1.53	.88
CAL YR 1977	TOTAL	469300	MEAN	1286	MAX	54900	MIN	274	CFSM	2.22	IN	30.10
WTR YR 1978	TOTAL	363780	MEAN	997	MAX	21700	MIN	290	CFSM	1.72	IN	23.33

MISSISSIPPI RIVER DELTA

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07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.11	4.05	16.98	6.00	9.08	5.11	4.56	4.17	4.23	4.13	4.43	7.47
2	4.29	5.97	14.54	5.45	11.90	4.88	4.51	4.18	4.62	4.04	4.29	5.34
3	5.64	8.51	9.52	5.14	10.85	5.05	4.47	4.70	5.28	4.03	4.08	4.81
4	5.99	8.01	6.97	4.95	8.15	5.01	4.44	6.09	5.87	4.01	4.00	4.56
5	4.84	7.31	6.39	4.85	6.70	4.80	4.41	5.27	5.37	5.99	3.94	4.41
6	4.42	7.93	5.96	4.79	6.21	4.72	4.35	4.71	4.75	5.02	3.92	4.29
7	4.26	6.98	5.59	4.77	5.91	4.74	4.37	4.75	4.53	4.42	3.93	4.19
8	4.21	5.79	5.34	6.24	5.69	5.11	4.35	6.36	4.94	6.05	3.96	4.14
9	5.87	5.71	5.24	7.36	5.49	5.06	4.33	7.62	6.38	5.06	3.98	4.08
10	5.55	5.53	5.19	6.64	5.33	4.86	4.31	7.27	5.27	4.47	4.94	4.07
11	5.75	5.12	5.04	5.82	5.21	4.76	4.69	6.53	4.68	4.29	4.48	4.06
12	6.46	4.82	4.95	5.50	5.11	4.70	5.91	5.37	4.47	4.21	4.29	4.05
13	5.40	4.66	5.01	5.51	5.63	4.67	6.18	4.95	4.37	4.12	4.07	4.18
14	4.77	4.54	8.19	5.33	6.49	5.79	5.94	4.74	4.27	4.06	4.23	4.26
15	4.51	4.47	8.41	5.12	5.91	6.65	5.36	4.62	4.21	4.05	6.13	4.48
16	4.37	4.42	7.05	5.02	5.44	5.91	4.95	4.47	4.16	4.12	5.34	5.55
17	4.27	4.40	6.34	6.31	5.20	5.31	4.71	5.21	4.15	4.21	4.44	5.12
18	4.22	4.34	6.02	6.51	5.08	4.98	4.93	9.14	4.14	4.15	4.19	4.58
19	4.19	4.38	5.56	6.59	4.99	4.82	5.06	6.62	4.11	4.01	4.06	4.49
20	4.17	4.43	5.28	7.01	4.89	4.72	6.04	5.46	4.12	3.96	4.00	4.23
21	4.14	4.93	5.09	6.56	4.82	4.71	5.08	4.97	4.08	3.95	3.99	4.10
22	4.11	9.55	4.94	5.98	4.75	4.82	4.64	4.80	4.25	3.98	3.99	4.04
23	4.08	8.62	4.85	5.61	4.70	4.73	4.47	4.75	4.18	4.57	4.08	4.04
24	4.10	6.68	4.80	6.77	4.67	5.24	4.38	4.55	4.12	4.38	3.97	3.98
25	4.16	5.83	4.78	12.46	4.65	6.17	4.33	4.43	4.05	4.16	3.95	3.95
26	4.21	5.36	4.72	14.81	4.63	5.88	4.32	4.36	4.02	4.08	3.93	3.94
27	4.14	5.42	4.65	13.91	4.67	5.33	4.26	4.68	4.00	4.23	3.90	4.30
28	4.10	12.04	4.60	9.40	5.23	4.98	4.22	4.42	4.02	4.72	3.97	4.13
29	4.07	8.20	4.82	6.93	---	4.80	4.20	4.29	4.00	4.64	6.59	4.05
30	4.06	14.50	6.53	6.38	---	4.69	4.18	4.24	4.15	4.23	11.65	4.01
31	4.06	---	6.57	7.29	---	4.62	---	4.19	---	5.21	10.42	---
MEAN	4.60	6.42	6.45	6.81	5.98	5.08	4.73	5.22	4.49	4.40	4.75	4.43
MAX	6.46	14.50	16.98	14.81	11.90	6.65	6.18	9.14	6.38	6.05	11.65	7.47
MIN	4.06	4.05	4.60	4.77	4.63	4.62	4.18	4.17	4.00	3.95	3.90	3.94

MISSISSIPPI RIVER DELTA

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA

LOCATION.--Lat 30°37'36", long 90°59'20", in lot 59, T.5 S., R.2 E., East Baton Rouge Parish, Hydrologic Unit 08070202, on downstream side of bridge on Louisiana Highway 409, 0.5 mi (0.8 km) upstream from Sandy Creek, 0.6 mi (1.0 km) downstream from Wind Bayou, and 3.4 mi (5.5 km) north of village of Greenwell Springs.

DRAINAGE AREA.--28.2 mi² (73.0 km²).

PERIOD OF RECORD.--October 1974 to current year. Unpublished gage-height records, August to September 1974, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m), from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,230 ft³/s or 120 m³/s Apr. 21, 1977, gage height, 24.47 ft or 7.458 m (backwater from Amite River); minimum, no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,650 ft³/s (46.7 m³/s) May 8, gage height, 20.10 ft (6.126 m); minimum, no flow many days.

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	1.5	4.0	713	18	334	48	1.7	0	3.6	.27	1.5	4.2
2	9.5	25	335	22	564	16	1.7	0	26	.13	.81	.01
3	19	300	72	10	296	7.2	2.5	156	106	.43	.43	0
4	7.9	100	18	7.0	61	5.1	2.8	148	175	.27	.27	.13
5	4.5	30	16	6.0	19	3.6	3.0	8.9	17	.43	.27	.81
6	3.6	5.0	15	7.0	11	.43	2.5	.61	7.9	.61	.43	.81
7	13	1.0	14	9.0	6.9	15	.61	340	24	1.0	.43	1.0
8	113	2.7	15	20	4.8	41	.81	1330	49	.61	.61	.81
9	703	4.5	27	100	3.6	18	1.0	443	9.5	.43	1.0	1.0
10	375	5.1	26	30	5.1	7.9	2.0	46	4.8	.43	1.2	1.0
11	20	6.0	17	9.0	5.4	4.8	143	8.9	3.6	.27	1.7	1.0
12	1.5	6.6	14	8.0	6.3	4.2	157	5.4	4.5	.09	2.2	1.0
13	.63	214	57	16	34	7.2	220	4.2	4.8	0	3.0	1.2
14	1.1	660	307	50	20	44	51	4.2	2.2	0	3.6	1.0
15	1.5	300	152	20	6.9	36	9.2	4.5	1.0	.81	3.9	2.8
16	1.4	140	28	8.0	2.0	9.9	2.2	6.9	.61	.13	3.9	9.2
17	1.6	70	19	7.0	.13	3.9	.13	149	.61	.03	4.2	3.6
18	1.5	30	29	8.0	.27	2.8	0	368	1.0	0	5.4	.02
19	2.2	18	11	30	.03	1.5	0	120	.81	.13	5.4	0
20	2.6	15	5.7	70	0	1.5	0	90	.61	.27	9.9	0
21	2.5	18	8.9	25	0	3.9	0	57	0	.13	67	.06
22	2.7	100	10	10	0	7.2	0	34	0	.13	13	.43
23	2.8	300	10	9.0	0	7.9	0	7.9	0	.13	6.9	.61
24	2.4	99	11	50	0	31	0	5.4	0	7.9	7.7	.61
25	2.0	13	12	850	2.0	165	0	4.5	0	2.2	6.9	.27
26	2.3	7.9	9.0	779	74	28	0	3.9	0	.43	1.5	.06
27	29	6.9	8.0	343	30	6.0	0	3.6	0	8.6	.81	.13
28	211	7.9	9.0	58	49	2.0	0	3.0	0	8.9	45	.05
29	49	70	240	14	---	.27	0	2.8	.13	7.9	432	0
30	12	655	120	23	---	.61	0	3.0	1.5	1.7	753	0
31	7.0	---	25	174	---	.81	---	3.6	---	1.7	180	---
TOTAL	1606.73	3214.6	2353.6	2790.0	1535.43	530.72	601.15	3362.31	444.17	46.06	1563.96	31.81
MEAN	51.8	107	75.9	90.0	54.8	17.1	20.0	108	14.8	1.49	50.5	1.06
MAX	703	660	713	850	564	165	220	1330	175	8.9	753	9.2
MIN	.63	1.0	5.7	6.0	0	.27	0	0	0	0	.27	0
CFSM	1.84	3.79	2.69	3.19	1.94	.61	.71	3.83	.52	.05	1.79	.04
IN.	2.12	4.24	3.10	3.68	2.03	.70	.79	4.44	.59	.06	2.06	.04
CAL YR 1977	TOTAL	35174.52	MEAN	96.4	MAX	2430	MIN	0	CFSM	3.42	IN	46.40
WTR YR 1978	TOTAL	18080.54	MEAN	49.5	MAX	1330	MIN	0	CFSM	1.76	IN	23.85

MISSISSIPPI RIVER DELTA

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07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.56	---	17.81	---	13.20	8.80	7.66	7.57	7.49	7.17	7.32	8.12
2	7.82	---	14.62	---	15.97	8.16	7.66	7.60	8.22	7.16	7.27	7.82
3	8.17	---	9.56	---	12.69	7.85	7.71	10.49	9.90	7.18	7.22	7.79
4	7.87	---	8.30	---	9.04	7.78	7.72	10.42	10.96	7.17	7.20	7.89
5	7.75	---	8.23	---	8.18	7.69	7.74	7.91	8.18	7.19	7.21	7.94
6	7.72	---	8.19	---	7.97	7.60	7.70	7.67	7.76	7.20	7.23	7.94
7	7.99	---	8.16	---	7.84	7.98	7.67	11.56	8.32	7.22	7.23	7.95
8	9.66	---	8.20	---	7.77	8.66	7.68	19.51	8.88	7.23	7.25	7.94
9	16.76	7.96	8.56	---	7.72	8.17	7.69	16.50	7.83	7.21	7.29	7.95
10	13.39	7.98	8.55	---	7.78	7.86	7.68	9.06	7.58	7.20	7.31	7.95
11	8.34	8.02	8.29	---	7.79	7.77	10.37	7.89	7.49	7.19	7.34	7.95
12	7.80	8.04	8.16	---	7.82	7.75	10.69	7.75	7.55	7.17	7.38	7.96
13	7.77	12.26	9.16	---	8.49	7.85	11.64	7.71	7.58	7.14	7.43	7.97
14	7.79	17.75	14.26	---	8.20	8.66	8.84	7.71	7.39	7.13	7.47	7.96
15	7.81	---	11.27	---	7.84	8.55	7.93	7.72	7.26	7.24	7.49	8.06
16	7.80	---	8.60	---	7.67	7.93	7.71	7.80	7.22	7.19	7.49	8.36
17	7.81	---	8.33	---	7.58	7.73	7.64	10.21	7.21	7.16	7.51	8.10
18	7.81	---	8.61	---	7.59	7.70	7.62	14.02	7.22	7.15	7.53	7.82
19	7.84	---	8.07	---	7.56	7.65	7.62	11.11	7.21	7.18	7.56	7.82
20	7.85	---	7.76	---	7.52	7.65	7.61	10.37	7.17	7.20	7.71	7.85
21	7.85	---	7.99	---	7.51	7.70	7.55	8.91	7.13	7.19	9.19	7.88
22	7.86	---	8.03	---	7.47	7.85	7.55	8.57	7.10	7.19	7.98	7.91
23	7.86	---	8.04	---	7.51	7.87	7.58	7.75	7.07	7.18	7.67	7.92
24	7.84	10.26	8.07	---	7.55	8.34	7.58	7.59	7.11	7.33	7.97	7.92
25	7.83	8.28	8.11	---	7.67	10.82	7.55	7.53	7.12	7.37	8.01	7.90
26	7.84	8.10	---	17.24	9.30	8.35	7.58	7.48	7.11	7.22	7.81	7.88
27	8.41	8.06	---	13.34	8.43	7.81	7.60	7.49	7.12	7.46	7.79	7.89
28	11.52	8.10	---	9.03	8.81	7.67	7.60	7.45	7.12	7.75	8.71	7.88
29	8.89	9.54	---	8.19	---	7.59	7.41	7.42	7.15	7.56	14.19	7.87
30	8.14	17.29	---	8.36	---	7.61	7.41	7.44	7.23	7.35	17.12	7.87
31	---	---	---	10.97	---	7.62	---	7.48	---	7.34	11.64	---
MEAN	---	---	---	---	8.59	8.03	8.00	9.22	7.66	7.25	8.24	7.94
MAX	16.76	17.75	17.81	---	15.97	10.82	11.64	19.51	10.96	7.75	17.12	8.36
MIN	7.56	---	7.76	---	7.47	7.59	7.41	7.42	7.07	7.13	7.20	7.79

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in lot 41, T.3 S., R.2 E., St. Helena meridian, East Feliciana Parish, Hydrologic Unit 07070202, near center of span on downstream side of bridge on State Highway 67, 1,800 ft (549 m) downstream from Knighton Bayou, and 1.3 mi (2.1 km) northeast of Olive Branch.

DRAINAGE AREA.--145 mi² (376 km²).

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

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

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft (34.640 m) National Geodetic Vertical Datum of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft (430 m) upstream. Prior to Oct. 1, 1977 at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 227 ft³/s (6.43 m³/s), 21.26 in/yr (540 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s (634 m³/s) Apr. 22, 1977; maximum gage height, 23.37 ft (7.123 m), present datum, Mar. 18, 1961; minimum discharge, 28 ft³/s (0.79 m³/s) Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 1.84 ft (0.561 m) July 31, Aug. 6, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (71 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)
Nov. 21	2330	2290 64.8	7.51 2.289	May 18	1015	2480 70.2	7.79 2.374
Nov. 30	1945	*14500 411	*18.52 5.645	Aug. 30	unknown about	5600 159	unknown ---
Jan. 26	0445	3330 94.3	8.90 2.713				

Minimum discharge, 44 ft³/s (1.25 m³/s) July 31, minimum gage height, 1.84 ft (0.561 m) July 31, Aug. 6.

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	60	56	5330	189	1210	186	86	65	66	61	86	400
2	60	457	1300	160	1640	155	83	65	81	56	83	150
3	123	628	364	143	854	243	81	130	144	54	55	125
4	109	158	255	133	257	156	80	326	222	53	49	105
5	72	148	219	128	183	115	77	117	109	53	47	96
6	63	158	195	127	151	102	76	87	86	57	46	90
7	61	115	171	128	135	108	75	684	94	84	56	87
8	60	93	158	754	124	163	72	599	109	193	67	83
9	67	133	160	648	115	135	71	173	112	164	73	80
10	97	104	167	245	109	111	70	114	75	97	444	78
11	352	86	151	186	105	100	139	91	77	67	191	76
12	308	77	143	227	101	95	224	81	76	61	81	78
13	119	75	227	258	193	93	322	77	68	59	67	76
14	83	74	1100	199	257	318	204	74	63	57	66	76
15	72	72	758	167	127	346	115	70	63	57	66	72
16	68	71	280	163	110	145	96	67	62	87	67	200
17	63	106	221	690	104	114	88	420	61	79	60	500
18	61	75	288	484	101	100	97	2210	61	61	57	240
19	60	80	197	435	99	95	238	462	67	59	56	150
20	60	80	169	617	95	91	128	159	66	62	62	100
21	60	672	153	292	91	94	90	125	60	56	117	80
22	59	1560	143	215	88	155	81	109	120	54	80	67
23	59	578	135	188	86	116	76	91	100	53	209	82
24	59	180	133	939	85	753	75	86	62	52	106	80
25	60	131	131	2680	84	558	72	80	56	52	77	65
26	60	115	128	2900	86	188	70	75	55	52	97	62
27	59	115	122	1060	85	130	68	72	54	68	65	62
28	57	3310	119	280	203	111	67	71	52	53	131	74
29	57	3980	148	225	---	101	66	70	55	51	1920	66
30	56	9240	460	196	---	94	65	68	74	48	4600	64
31	56	---	275	314	---	90	---	67	---	57	1700	---
TOTAL	2660	22727	13800	15370	6878	5361	3152	6985	2450	2117	10881	3564
MEAN	85.8	758	445	496	246	173	105	225	81.7	68.3	351	119
MAX	352	9240	5330	2900	1640	753	322	2210	222	193	4600	500
MIN	56	56	119	127	84	90	65	65	52	48	46	62
CFSM	.59	5.23	3.07	3.42	1.70	1.19	.72	1.55	.56	.47	2.42	.82
IN.	.68	5.83	3.54	3.94	1.76	1.38	.81	1.79	.63	.54	2.79	.91

CAL YR 1977 TOTAL 132853 MEAN 364 MAX 14700 MIN 38 CFSM 2.51 IN 34.08
WTR YR 1978 TOTAL 95945 MEAN 263 MAX 9240 MIN 46 CFSM 1.81 IN 24.61

MISSISSIPPI RIVER DELTA

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07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	1.90	10.98	2.55	5.58	2.84	2.15	1.98	2.05	2.01	2.19	---
2	1.92	3.63	5.47	2.38	6.53	2.63	2.13	1.98	2.18	1.97	2.15	---
3	2.45	4.31	3.26	2.29	4.85	3.11	2.11	2.50	2.54	1.95	1.93	---
4	2.33	2.63	2.86	2.23	3.18	2.68	2.09	3.41	2.98	1.94	1.88	---
5	2.02	2.56	2.70	2.20	2.83	2.41	2.08	2.39	2.38	1.94	1.86	---
6	1.95	2.63	2.58	2.19	2.65	2.32	2.07	2.15	2.21	1.98	1.85	---
7	1.93	2.30	2.45	2.20	2.55	2.35	2.06	3.90	2.28	2.20	1.93	2.18
8	1.92	2.15	2.38	4.32	2.47	2.73	2.04	4.17	2.38	2.80	2.03	2.15
9	1.98	2.44	2.39	4.06	2.41	2.55	2.03	2.77	2.39	2.66	2.06	2.13
10	2.24	2.23	2.43	2.81	2.36	2.38	2.02	2.40	2.13	2.24	3.79	2.12
11	3.51	2.10	2.34	2.53	2.33	2.30	2.58	2.23	2.15	2.02	2.81	2.11
12	3.36	2.04	2.29	2.72	2.31	2.26	3.04	2.15	2.14	1.97	2.21	2.12
13	2.42	2.02	2.61	2.87	2.86	2.24	3.43	2.12	2.07	1.95	2.10	2.11
14	2.15	2.01	5.28	2.60	3.14	3.31	2.92	2.09	2.03	1.94	2.09	2.11
15	2.05	2.00	4.35	2.43	2.49	3.45	2.39	2.05	2.03	1.94	2.09	---
16	2.01	1.99	2.96	2.40	2.37	2.61	2.23	2.03	2.02	2.17	2.10	---
17	1.97	2.23	2.70	4.19	2.32	2.40	2.17	3.12	2.01	2.11	2.04	---
18	1.95	2.02	2.99	3.58	2.31	2.30	2.24	7.40	2.01	1.97	2.02	---
19	1.94	2.06	2.58	3.45	2.30	2.26	3.06	3.80	2.06	1.95	2.01	---
20	1.94	2.06	2.43	3.99	2.26	2.23	2.48	2.70	2.05	1.98	2.05	---
21	1.94	3.75	2.35	3.01	2.24	2.25	2.19	2.49	2.00	1.93	2.44	---
22	1.93	6.32	2.28	2.67	2.21	2.68	2.11	2.38	2.46	1.91	2.19	2.03
23	1.92	4.15	2.24	2.54	2.23	2.41	2.07	2.26	2.31	1.90	2.93	2.15
24	1.92	2.81	2.23	4.50	2.19	4.33	2.06	2.21	2.02	1.89	2.39	2.14
25	1.94	2.47	2.22	8.05	2.18	4.13	2.04	2.17	1.97	---	2.18	2.02
26	1.94	2.32	2.20	8.34	2.20	2.85	2.02	2.13	1.96	1.89	2.32	2.00
27	1.93	2.29	2.16	5.24	2.18	2.50	2.01	2.10	1.95	2.03	2.08	2.00
28	1.91	8.72	2.14	3.28	2.89	2.36	2.00	2.09	1.93	1.90	2.48	2.09
29	1.91	9.65	2.30	3.04	---	2.28	1.99	2.08	1.96	1.88	6.52	2.02
30	1.90	14.22	3.53	2.90	---	2.23	1.98	2.07	2.11	1.86	---	2.02
31	1.90	---	2.93	3.40	---	2.18	---	2.06	---	1.94	---	---
MEAN	2.10	3.47	3.05	3.39	2.80	2.63	2.26	2.63	2.16	---	---	---
MAX	3.51	14.22	10.98	8.34	6.53	4.33	3.43	7.40	2.98	2.80	---	---
MIN	1.90	1.90	2.14	2.19	2.18	2.18	1.98	1.98	1.93	1.86	1.85	---

07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA

LOCATION.--Lat 30°37'00", long 91°06'55", in SE¼NW¼ lot 16, T.5 S., R.2 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67 (Plank Road), 1.0 mi (1.6 km) downstream from point of diversion, 2.6 mi (4.2 km) upstream from mouth, and 6.5 mi (10.5 km) northeast of terminal building at Ryan Airport, at Baton Rouge.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights from January 1965 to July 1972 published as "Stewart Swamp diversion canal near Fred, La." by Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 62.00 ft (18.898 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Records of dissolved oxygen and water temperatures for water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 10.4 ft³/s (0.295 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft³/s (33.1 m³/s) Mar. 24, 1973. Maximum gage height, 19.08 ft (5.816 m) Apr. 22, 1977 (backwater from Comite River); no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 850 ft³/s (24.1 m³/s) Nov. 30, gage height, 13.47 ft (4.106 m); minimum, 0.01 ft³/s (<0.001 m³/s) Sept. 20-26.

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	.10	.20	304	.98	57	2.0	.05	.06	.06	.03	.02	.08
2	.90	34	30	.38	35	1.1	.05	.05	.68	.03	.02	.05
3	.66	38	7.7	.18	2.4	1.0	.05	7.3	3.4	.03	.02	.04
4	.24	4.0	2.0	.08	1.1	.76	.05	1.8	1.8	.03	.02	.03
5	.11	.47	.30	.08	.70	.70	.05	.44	.38	.03	.02	.02
6	.06	.35	.21	.10	.32	.44	.08	.14	.50	.03	.02	.02
7	.03	.28	.18	.69	.22	1.2	.06	227	.56	.03	.02	.02
8	.03	.31	.15	29	.10	1.6	.06	364	.63	.03	.02	.02
9	.72	15	.12	4.3	.18	1.1	.10	12	.32	.03	.03	.02
10	.32	1.0	.09	1.3	.22	.83	.62	1.2	.06	.16	.03	.02
11	76	.30	.07	.56	.22	.70	15	.32	.23	.04	.03	.02
12	2.9	.16	.06	4.7	.44	.63	9.2	.10	.14	.04	.03	.02
13	.38	.08	70	2.7	1.4	.96	9.4	.14	.08	.03	.03	.02
14	.24	.05	95	1.0	.56	3.3	1.8	.14	.06	1.3	.06	.02
15	.16	.03	15	.50	.98	1.1	.63	.14	.05	.35	.03	.21
16	.14	.03	2.4	.82	.98	.50	.22	.14	.04	.03	.03	.04
17	.12	.03	.80	3.0	.83	.27	.08	.47	.04	.02	.03	.02
18	.09	.02	.60	2.0	1.2	.22	.08	1.9	.04	.02	.03	.02
19	.06	.02	.44	8.2	1.1	.10	.08	.50	.04	.02	.03	.02
20	.04	.13	.38	3.7	.90	.14	.08	.08	.04	.03	.21	.01
21	.03	60	.27	1.5	.76	.22	.08	.04	.04	.03	.08	.01
22	.03	150	.18	.76	.70	.22	.08	.05	.04	.03	.77	.01
23	.03	32	.18	.50	.70	.18	.08	.05	.04	.02	.19	.01
24	.03	2.1	.14	103	.70	3.5	.06	.04	.04	.02	3.1	.01
25	.03	.38	.10	192	1.0	2.1	.05	.04	.04	.02	.95	.01
26	.02	.30	.14	51	16	.27	.05	.08	.04	.02	.05	.01
27	.02	.24	.18	1.8	3.0	.08	.06	.06	.03	.03	.04	.02
28	.02	30	.22	1.1	4.1	.05	.08	.06	.03	.04	10	.02
29	.02	91	5.8	.63	---	.05	.06	.06	.03	.03	180	.02
30	.02	700	5.4	3.3	---	.05	.06	.06	.03	.03	41	.03
31	.08	---	2.1	5.8	---	.05	---	.06	---	.02	.63	---
TOTAL	83.63	1160.48	544.21	425.66	132.81	25.42	38.40	618.52	9.51	2.60	237.54	.87
MEAN	2.70	38.7	17.6	13.7	4.74	.82	1.28	20.0	.32	.084	7.66	.029
MAX	76	700	304	192	57	3.5	15	364	3.4	1.3	180	.21
MIN	.02	.02	.06	.08	.10	.05	.05	.04	.03	.02	.02	.01
CAL YR 1977	TOTAL	7254.04	MEAN	19.9	MAX	968	MIN	0				
WTR YR 1978	TOTAL	3279.65	MEAN	8.99	MAX	700	MIN	.01				

MISSISSIPPI RIVER DELTA

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07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.99	---	---	4.17	6.34	4.30	3.99	4.06	4.00	3.98	3.98	4.08
2	4.22	---	---	4.08	5.92	4.18	3.99	4.06	4.12	3.98	3.97	4.06
3	4.25	---	---	4.04	4.36	4.17	3.99	4.77	4.43	3.97	3.96	4.04
4	4.08	---	---	4.01	4.18	4.13	3.99	4.28	4.28	3.97	3.95	3.98
5	4.00	---	---	4.01	4.11	4.11	3.99	4.09	4.08	3.97	3.95	3.97
6	3.95	---	---	4.02	4.05	4.07	4.01	4.03	4.10	3.98	3.95	3.96
7	3.92	---	---	4.11	4.02	4.20	4.00	7.21	4.11	3.98	3.95	3.96
8	3.92	---	---	5.83	3.99	4.26	4.00	10.01	4.12	3.98	3.94	4.00
9	4.28	---	---	4.56	4.01	4.19	4.02	4.86	4.07	3.98	3.96	3.99
10	4.10	---	---	4.21	4.03	4.14	4.10	4.20	4.00	4.02	3.99	3.98
11	6.64	---	---	4.11	4.03	4.11	5.29	4.07	4.05	4.03	3.96	3.98
12	4.41	---	---	4.60	4.07	4.10	4.94	4.02	4.04	4.01	3.95	4.01
13	4.08	---	---	4.38	4.23	4.15	4.96	4.03	4.02	3.97	3.94	4.01
14	---	---	---	4.18	4.09	4.46	4.28	4.04	4.01	4.14	3.98	4.02
15	---	---	---	4.10	4.16	4.18	4.12	4.03	3.99	4.12	3.97	4.12
16	---	---	---	4.14	4.16	4.08	4.05	4.03	3.99	4.01	3.95	4.10
17	---	---	---	4.42	4.14	4.03	4.01	4.09	3.99	3.97	3.95	4.02
18	---	---	---	4.31	4.19	4.02	4.01	4.29	3.99	3.95	3.94	4.01
19	---	---	4.09	4.91	4.18	3.99	4.01	4.10	3.98	3.98	3.93	4.00
20	---	---	4.11	4.50	4.15	4.00	4.01	4.01	3.98	4.02	4.00	3.99
21	---	---	4.12	4.24	4.13	4.02	4.02	3.98	3.98	4.04	4.01	3.98
22	---	---	4.12	4.14	4.11	4.02	4.02	3.99	3.98	4.02	4.10	3.98
23	---	---	4.12	4.10	4.11	4.01	4.03	3.99	3.98	3.98	4.03	3.98
24	---	---	4.12	6.83	4.11	4.41	4.02	3.98	3.98	4.00	4.33	3.98
25	---	---	4.12	8.29	4.17	4.31	4.02	3.98	3.98	4.00	4.16	3.98
26	---	---	4.11	6.10	5.30	4.06	4.02	4.01	3.98	3.99	3.99	3.99
27	---	---	4.10	4.28	4.41	4.01	4.04	4.00	3.97	4.02	3.96	4.03
28	---	---	4.08	4.19	4.56	3.99	4.05	4.00	3.96	4.05	4.89	4.00
29	---	---	4.62	4.12	---	3.99	4.05	4.00	3.97	4.01	8.07	4.04
30	---	---	4.68	4.40	---	3.99	4.06	4.00	3.98	3.99	5.75	4.06
31	---	---	4.31	4.72	---	3.99	---	4.00	---	3.98	4.18	---
MEAN	---	---	---	4.58	4.33	4.12	4.14	4.39	4.04	4.00	4.21	4.01
MAX	---	13.47	---	8.29	6.34	4.46	5.29	10.01	4.43	4.14	8.07	4.12
MIN	3.87	3.87	---	4.01	3.99	3.99	3.99	3.98	3.96	3.95	3.93	3.96

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E½ lot 39, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on lower Zachary Road, 1.5 mi (2.4 km) downstream from Indian Bayou, and 2.0 mi (3.2 km) southeast of Zachary.

DRAINAGE AREA.--45 mi² (117 km²), approximately.

PERIOD OF RECORD.--August 1972 to current year.--Daily gage heights from January 1965 to July 1972 published as White Bayou near Zachary by Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft (19.812 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Records for dissolved oxygen and water temperatures for water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 80.6 ft³/s (2.283 m³/s), 24.33 in/yr (618 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,460 ft³/s (126 m³/s) Apr. 22, 1977, gage height, 23.02 ft (7.016 m); minimum daily, no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,700 ft³/s (48.1 m³/s) and maximum (*) for water years 1972-78:

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Aug. 19, 1972†	0100	*45	1.27	*6.25	1.905	July 11, 1975	2100	1740	49.3	18.25	5.563
Mar. 25, 1973	1200	*3210	90.9	21.14	6.443	July 23.....	0400	1730	49.0	18.22	5.553
Apr. 18.....	0500	2410	68.3	20.05	6.111	Mar. 25, 1976	2300	*2130	60.3	*19.45	5.928
Sept. 13.....	0900	2150	60.3	19.44	5.925	Apr. 22, 1977	0730	*4460	126.3	*23.02	7.016
Feb. 3, 1974	0130	*2300	60.3	*19.44	5.925	Nov. 30.....	2300	*2620	74.2	*20.37	6.209
Jan. 8, 1975	0630	*2350	66.6	*19.92	6.072	May 7, 1978	2230	2050	58.1	18.92	5.767
June 19.....	1230	1860	52.7	18.65	5.864						

† Period Aug. 16 to Sept. 30.

NOTE.--Supplemental peak discharges for water years 1972-77 not previously published.

Minimum discharge, 0.34 ft³/s (0.010 m³/s) Aug. 17.

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	1.1	1.2	1800	19	743	88	5.1	.60	1.3	21	4.9	16
2	29	495	173	11	773	26	3.4	.56	8.4	5.1	.80	6.7
3	7.0	422	47	7.1	160	190	2.5	8.5	51	2.5	1.5	3.8
4	1.2	44	22	4.5	43	63	2.0	85	73	1.7	1.2	8.9
5	.70	25	18	3.8	25	20	1.7	13	24	1.2	.68	17
6	.60	16	9.4	3.3	17	12	1.4	4.5	18	1.1	.56	5.1
7	.54	11	6.8	4.8	13	14	1.2	679	34	4.9	.48	2.5
8	.48	14	5.4	585	10	64	1.2	1530	20	3.6	.48	1.8
9	9.7	111	6.6	301	8.1	36	1.2	336	9.5	2.1	.90	1.8
10	19	23	5.6	38	6.7	18	1.6	32	5.3	1.8	16	1.3
11	877	8.3	5.4	20	5.9	12	115	16	35	2.1	17	1.1
12	398	4.7	4.8	82	5.9	7.7	231	9.5	21	1.7	4.2	1.2
13	37	3.2	190	112	45	6.7	301	6.1	8.1	.98	1.7	3.0
14	13	2.4	760	35	25	81	66	4.4	3.4	4.7	.98	2.3
15	6.3	2.2	300	19	15	60	20	2.4	3.4	1.9	.76	2.4
16	3.5	2.2	31	17	9.8	19	10	1.5	2.4	1.5	.48	62
17	2.2	1.8	22	250	7.5	10	6.5	1.8	1.5	.80	.37	36
18	1.8	1.7	14	96	7.7	5.5	3.6	37	1.2	.76	4.2	12
19	1.4	2.0	11	213	6.5	3.9	2.6	36	4.4	.56	2.1	5.3
20	1.2	2.5	7.4	238	5.5	3.3	2.1	9.8	4.2	.48	2.2	3.7
21	1.0	469	5.3	48	4.7	3.8	1.7	12	2.0	.76	5.5	2.1
22	.90	1040	4.3	26	4.5	7.5	1.7	2.9	39	.98	2.8	1.6
23	.80	394	3.6	19	4.2	14	1.7	1.6	38	.89	1.7	1.5
24	.80	41	3.3	678	3.9	384	1.1	1.2	8.5	.56	.72	1.1
25	.85	20	3.2	1250	3.6	600	.98	1.1	3.8	.48	.60	.89
26	.85	12	2.7	777	84	72	.89	.80	2.1	.44	.76	.98
27	.85	8.1	2.5	98	20	22	.76	.80	1.5	1.8	.48	54
28	.80	127	2.9	36	156	13	.68	.64	1.2	17	35	43
29	.75	524	71	26	---	8.5	.64	.80	.98	9.0	886	10
30	.85	2430	112	72	---	6.1	.60	.64	1.6	2.9	668	5.1
31	1.2	---	37	293	---	4.5	---	.76	---	4.6	111	---
TOTAL	1420.37	6258.3	3687.2	5382.5	2213.5	1875.5	789.85	2836.90	427.78	99.89	1774.05	314.17
MEAN	45.8	209	119	174	79.1	60.5	26.3	91.5	14.3	3.22	57.2	10.5
MAX	877	2430	1800	1250	773	600	301	1530	73	21	886	62
MIN	.48	1.2	2.5	3.3	3.6	3.3	.60	.56	.98	.44	.37	.89
CFSM	1.02	4.64	2.64	3.87	1.76	1.34	.58	2.03	.32	.07	1.27	.23
IN.	1.17	5.17	3.05	4.45	1.83	1.55	.65	2.35	.35	.08	1.47	.26
CAL YR 1977	TOTAL	45512.32	MEAN	125	MAX	4270	MIN	.17	CFSM	2.78	IN	37.62
WTR YR 1978	TOTAL	27080.01	MEAN	74.2	MAX	2430	MIN	.37	CFSM	1.65	IN	22.39

MISSISSIPPI RIVER DELTA

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07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	3.71	17.31	4.49	12.01	6.01	3.93	3.58	3.66	4.46	3.82	4.33
2	4.48	10.16	7.08	4.19	12.33	4.70	3.83	3.57	4.04	3.85	3.55	3.95
3	4.02	10.00	---	4.03	6.96	7.25	3.76	5.78	4.94	3.68	3.63	3.79
4	3.62	5.24	---	3.90	5.16	5.54	3.72	5.88	5.75	3.62	3.60	3.97
5	3.54	4.71	---	3.85	4.68	4.51	3.70	4.30	4.55	3.57	3.52	4.35
6	3.53	4.46	---	3.82	4.42	4.22	3.67	3.93	4.34	3.55	3.49	3.87
7	3.52	4.25	---	3.89	4.26	4.32	3.65	9.36	4.90	3.81	3.47	3.70
8	3.51	4.27	---	10.95	4.13	5.56	3.65	16.51	4.42	3.76	3.47	3.65
9	4.17	6.60	---	8.49	4.04	4.97	3.65	8.51	4.06	3.65	3.54	3.65
10	4.09	4.66	---	5.04	3.96	4.45	3.67	4.86	3.86	3.63	4.32	3.60
11	13.40	4.12	---	4.50	3.92	4.22	6.25	4.36	4.76	3.65	4.37	3.57
12	9.71	3.92	---	5.85	3.91	4.06	7.98	4.14	4.46	3.62	3.82	3.59
13	5.03	3.81	---	6.43	5.22	4.00	8.71	3.98	4.00	3.54	3.65	3.74
14	4.33	3.74	---	4.97	4.67	5.91	4.18	3.89	3.75	3.70	3.57	3.68
15	4.04	3.70	---	4.48	4.29	5.49	4.52	3.75	3.75	3.62	3.54	3.69
16	3.87	3.71	---	4.42	4.07	4.49	4.19	3.68	3.67	3.60	3.47	5.55
17	3.75	3.66	---	8.16	3.95	4.16	4.02	3.70	3.60	3.52	3.44	4.94
18	3.70	3.64	---	6.13	3.96	3.95	3.86	4.84	3.57	3.51	3.79	4.16
19	3.65	3.68	---	7.59	3.90	3.86	3.79	4.96	3.80	3.46	3.68	3.88
20	3.62	3.75	---	7.96	3.84	3.82	3.75	4.15	3.80	3.44	3.68	3.78
21	3.60	8.48	3.94	5.29	3.79	3.85	3.72	4.21	3.64	3.51	3.90	3.67
22	3.59	14.42	3.88	4.71	3.78	4.05	3.72	3.79	4.83	3.54	3.74	3.64
23	3.58	9.49	3.82	4.48	3.76	4.31	3.70	3.69	4.95	3.53	3.65	3.62
24	3.65	5.16	3.80	10.59	3.73	8.47	3.66	3.65	4.02	3.46	3.53	3.57
25	3.66	4.58	3.78	15.08	3.71	11.17	3.65	3.63	3.77	3.44	3.50	3.55
26	3.66	4.31	3.75	12.29	5.90	6.05	3.64	3.60	3.65	3.43	3.54	3.56
27	3.66	4.11	3.72	6.13	4.53	4.57	3.62	3.60	3.60	3.60	3.47	4.94
28	3.65	6.28	3.76	5.01	6.93	4.28	3.60	3.56	3.56	4.32	4.68	5.05
29	3.64	10.47	5.20	4.72	---	4.10	3.59	3.60	3.54	4.06	12.26	4.11
30	3.66	20.00	6.47	5.49	---	3.98	3.58	3.56	3.58	3.73	12.34	3.87
31	3.71	---	5.00	8.63	---	3.90	---	3.59	---	3.76	6.19	---
MEAN	4.30	6.10	---	6.31	4.99	4.97	4.17	4.78	4.09	3.67	4.33	3.97
MAX	13.40	20.00	17.31	15.08	12.33	11.17	8.71	16.51	5.75	4.46	12.34	5.55
MIN	3.51	3.64	---	3.82	3.71	3.82	3.58	3.56	3.54	3.43	3.44	3.55

MISSISSIPPI RIVER DELTA

07377842 WHITE BAYOU NEAR BAKER, LA

LOCATION.--Lat 30°34'45", long 91°07'18", in NW¼SW¼ lot 28, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Pettit Road, 0.1 mi (0.2 km) upstream from pipeline crossing, 0.6 mi (1.0 km) downstream from State Highway 67, and 2.8 mi (4.5 km) east of Baker.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 60 ft or 18 m (approximately), from topographic map.

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Records of dissolved oxygen and water temperatures for water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 12.6 ft³/s (0.357 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 661 ft³/s (18.7 m³/s), gage height, 17.25 ft (5.258 m) Apr. 23, 1977 (backwater from Comite River); maximum gage height unaffected by backwater, 15.29 ft (4.660 m) Mar. 24, 1973; no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 419 ft³/s (11.9 m³/s), gage height, 13.26 ft (4.042 m) May 7; minimum, 0.17 ft³/s (0.005 m³/s) Oct. 8.

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	.24	.78	196	5.0	90	12	.50	.30	.34	.60	.65	2.2
2	.35	66	82	2.5	52	4.3	.48	.34	1.3	.60	.65	.83
3	1.0	18	8.3	1.4	16	2.2	.46	43	9.8	.58	.48	.58
4	.41	2.3	2.2	1.1	6.3	1.4	.48	6.2	7.9	.58	.44	.48
5	.26	1.8	2.1	.97	2.9	.91	.44	1.0	1.9	.58	.44	.48
6	.21	1.0	1.3	.97	1.8	.88	.42	.54	1.9	.94	2.6	.46
7	.18	.70	1.0	1.6	1.5	4.8	.34	153	2.4	.94	1.8	.42
8	.19	10	.88	113	1.2	6.2	.32	303	1.4	1.2	.77	.46
9	4.2	63	12	27	.94	3.2	.30	76	.88	1.4	.54	.46
10	.76	10	6.8	7.6	.85	1.7	.37	4.5	.67	15	2.0	.50
11	7.6	2.1	2.2	3.3	.76	1.2	78	1.4	1.0	22	.97	.48
12	1.8	1.0	1.1	24	1.3	.97	43	.85	1.7	1.1	.73	1.6
13	1.4	.76	32	17	12	1.1	56	.70	.91	.50	2.1	1.4
14	.72	.64	97	6.9	3.8	19	9.4	.64	.79	3.0	.95	.76
15	.47	.60	21	2.9	1.7	7.6	2.0	.58	.70	9.1	.64	.64
16	.41	.62	7.6	3.9	1.1	2.3	.88	.50	.67	4.9	.58	2.3
17	.32	.62	4.6	11	.97	.98	.48	8.8	.64	1.2	.58	7.5
18	.30	.64	4.2	11	1.3	.76	.44	28	.62	.58	.56	1.0
19	.30	.85	2.7	36	1.1	.64	.48	2.2	.60	.46	.75	.78
20	.30	1.0	1.2	23	.88	.62	.38	.91	.56	.42	1.9	.46
21	.30	78	1.0	8.5	.85	1.2	.38	.58	.56	.36	1.5	.40
22	.30	129	.88	4.4	.82	1.4	.36	.46	.56	.44	.82	.40
23	.28	26	.82	2.6	.82	.85	.34	.38	.56	1.0	.98	.38
24	.28	7.9	.79	113	.79	10	.34	.36	.56	.80	.84	.34
25	.32	3.5	.79	162	.82	8.6	.34	.36	.56	.60	1.6	.30
26	.28	1.6	.88	54	101	2.2	.28	.34	.56	.50	2.2	.36
27	.30	.91	.76	13	21	1.0	.34	.30	.56	.44	1.1	6.7
28	.26	1.2	.70	6.8	20	.62	.38	.32	.58	.48	13	.98
29	.24	28	27	3.9	---	.54	.22	.30	.60	.44	153	.54
30	.23	246	37	16	---	.52	.28	.36	.62	.52	109	.42
31	.24	---	11	35	---	.48	---	.36	---	.50	15	---
TOTAL	24.45	704.52	567.80	719.34	344.50	100.17	198.43	636.58	42.40	71.76	319.17	34.61
MEAN	.79	23.5	18.3	23.2	12.3	3.23	6.61	20.5	1.41	2.31	10.3	1.15
MAX	7.6	246	196	162	101	19	78	303	9.8	22	153	7.5
MIN	.18	.60	.70	.97	.76	.48	.22	.30	.34	.36	.44	.30
CAL YR 1977	TOTAL	7556.79	MEAN	20.7	MAX	632	MIN	.02				
WTR YR 1978	TOTAL	3763.73	MEAN	10.3	MAX	303	MIN	.18				

MISSISSIPPI RIVER DELTA

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07377842 WHITE BAYOU NEAR BAKER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.64	3.68	9.77	4.26	7.11	4.68	3.51	3.41	3.38	3.33	3.39	3.81
2	3.71	6.41	6.86	4.01	6.16	4.20	3.51	3.43	3.71	3.33	3.41	3.51
3	3.97	4.91	4.45	3.81	4.87	3.96	3.49	5.68	4.38	3.32	3.34	3.42
4	3.76	3.97	3.95	3.73	4.35	3.79	3.50	4.25	4.30	3.32	3.32	3.37
5	3.66	3.90	3.95	3.69	4.06	3.67	3.48	3.70	3.68	3.32	3.32	3.37
6	3.60	3.71	3.78	3.69	3.90	3.66	3.47	3.53	3.67	3.42	3.64	3.36
7	3.56	3.60	3.70	3.75	3.84	4.11	3.43	7.39	3.77	3.45	3.69	3.34
8	3.57	3.99	3.66	7.69	3.75	4.34	3.42	11.70	3.57	3.46	3.45	3.36
9	4.45	6.39	4.52	5.30	3.68	4.08	3.41	6.65	3.43	3.53	3.36	3.36
10	3.89	4.54	4.36	4.43	3.65	3.88	3.44	4.15	3.36	4.04	3.75	3.38
11	4.72	3.94	3.95	4.10	3.62	3.77	6.80	3.76	3.47	4.96	3.52	3.37
12	4.09	3.70	3.71	5.13	3.68	3.69	5.88	3.60	3.64	3.56	3.43	3.65
13	3.76	3.62	4.82	4.89	4.66	3.70	6.24	3.55	3.44	3.35	3.79	3.66
14	3.61	3.58	7.30	4.38	4.16	5.01	4.51	3.53	3.40	3.63	3.51	3.49
15	3.53	3.56	5.07	4.06	3.87	4.42	3.92	3.50	3.37	4.46	3.41	3.45
16	3.51	3.57	4.42	4.10	3.74	3.97	3.66	3.46	3.36	4.14	3.38	3.73
17	3.46	3.57	4.23	4.59	3.69	3.69	3.50	4.17	3.35	3.59	3.38	4.29
18	3.45	3.58	4.20	4.58	3.78	3.62	3.48	5.26	3.34	3.39	3.37	3.57
19	3.45	3.65	4.04	5.64	3.73	3.58	3.50	3.91	3.33	3.33	3.44	3.49
20	3.45	3.71	3.77	5.16	3.66	3.57	3.45	3.62	3.31	3.31	3.69	3.36
21	3.45	6.24	3.71	4.47	3.65	3.73	3.45	3.50	3.31	3.28	3.64	3.33
22	3.46	8.08	3.66	4.21	3.64	3.82	3.44	3.44	3.31	3.32	3.47	3.33
23	3.51	5.27	3.64	4.03	3.64	3.65	3.43	3.40	3.31	3.53	3.52	3.32
24	3.52	4.44	3.63	7.43	3.63	4.40	3.43	3.39	3.31	3.47	3.47	3.30
25	3.55	4.12	3.63	8.93	3.64	4.47	3.43	3.39	3.31	3.40	3.69	3.28
26	3.54	3.83	3.66	6.12	7.36	3.94	3.40	3.38	3.31	3.35	3.81	3.31
27	3.56	3.67	3.62	4.70	5.06	3.70	3.43	3.36	3.31	3.32	3.55	4.26
28	3.55	3.74	3.60	4.38	5.08	3.57	3.45	3.37	3.32	3.34	4.35	3.55
29	3.55	4.61	4.85	4.17	---	3.53	3.37	3.36	3.33	3.32	8.66	3.40
30	3.55	10.82	5.64	4.70	---	3.52	3.40	3.39	3.34	3.36	8.05	3.34
31	3.56	---	4.60	5.61	---	3.50	---	3.39	---	3.35	4.84	---
MEAN	3.67	4.55	4.48	4.83	4.27	3.91	3.79	4.18	3.48	3.53	3.89	3.49
MAX	4.72	10.82	9.77	8.93	7.36	5.01	6.80	11.70	4.38	4.96	8.66	4.29
MIN	3.45	3.56	3.60	3.69	3.62	3.50	3.37	3.36	3.31	3.28	3.32	3.28

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", in NW¼ sec.24, T.6 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi (0.8 km) downstream from Blackwater Bayou, and 2.6 mi (4.2 km) west of Comite.

DRAINAGE AREA.--284 mi² (735 km²). See REMARKS.

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 25.85 ft (7.879 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records fair. Since 1957, entire flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--34 years, 454 ft³/s (12.86 m³/s), 21.71 in/yr (557 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,100 ft³/s (683 m³/s) Apr. 23, 1977; maximum gage height, 28.64 ft (8.729 m) May 19, 1953, present datum (prior to dredging August 1961); minimum discharge, 28 ft³/s (0.79 m³/s) Aug. 1, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 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. 1	1500	*16400 464	*20.95 5.386	May 8	0415	9990 283	15.79 4.813
Jan. 25	1800	7480 212	13.60 4.145	Aug. 30	0230	7690 218	13.79 4.203

Minimum discharge, 57 ft³/s (1.61 m³/s) Oct. 31, Nov. 1; minimum gage height, -0.16 ft (-0.049 m) July 31, Aug. 5.

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	87	65	14800	240	2350	684	140	111	106	92	113	820
2	103	542	4080	190	3640	346	132	111	158	84	99	295
3	162	1000	1190	156	1860	610	128	1000	249	82	93	203
4	199	382	524	134	779	458	123	658	684	80	74	194
5	130	234	362	122	440	274	120	389	287	82	69	186
6	92	225	300	116	350	209	119	184	182	88	76	145
7	81	203	270	116	250	335	116	2720	203	150	105	126
8	84	196	250	1720	210	392	113	7180	180	300	93	120
9	172	694	230	1200	190	366	111	1370	174	260	104	115
10	114	266	215	372	180	252	113	383	139	150	389	108
11	1050	174	205	234	170	200	966	209	140	105	530	106
12	763	126	194	326	160	176	958	153	188	94	186	111
13	304	106	300	388	250	169	1190	129	126	90	112	125
14	192	97	1760	270	420	366	711	115	105	84	97	111
15	138	90	1100	205	230	820	315	105	98	94	86	111
16	114	86	428	185	190	377	203	101	96	120	84	578
17	100	97	290	509	180	235	167	147	93	94	81	858
18	92	108	272	638	165	186	152	2380	92	86	80	368
19	84	95	250	575	155	167	190	1990	91	84	75	178
20	81	98	198	723	145	156	363	443	98	90	78	147
21	78	634	178	395	140	198	184	352	86	86	132	120
22	73	3480	156	256	135	244	147	228	170	80	125	109
23	70	1280	142	208	126	274	132	188	150	78	119	102
24	68	388	132	1730	122	776	125	155	110	86	186	116
25	68	256	126	6510	120	2000	122	145	90	90	118	106
26	66	201	121	5590	736	614	118	139	84	120	99	96
27	66	174	114	2030	315	305	115	126	82	139	94	108
28	65	831	111	958	473	216	113	119	80	88	256	134
29	62	3570	282	562	---	180	112	118	86	73	3770	105
30	60	9470	518	540	---	162	112	113	100	96	7160	99
31	59	---	402	1030	---	148	---	109	---	86	4030	---
TOTAL	4877	25168	29500	28228	14481	11895	7710	21670	4527	3331	18713	6100
MEAN	157	839	952	911	517	384	257	699	151	107	604	203
MAX	1050	9470	14800	6510	3640	2000	1190	7180	684	300	7160	858
MIN	59	65	111	116	120	148	111	101	80	73	69	96
CFSM	.55	2.95	3.35	3.21	1.82	1.35	.90	2.46	.53	.38	2.13	.71
IN.	.64	3.30	3.86	3.70	1.90	1.56	1.01	2.84	.59	.44	2.45	.80
CAL YR 1977	TOTAL	265465	MEAN 727	MAX 20100	MIN 38	CFSM 2.56	IN 34.77					
WTR YR 1978	TOTAL	176200	MEAN 483	MAX 14800	MIN 59	CFSM 1.70	IN 23.08					

MISSISSIPPI RIVER DELTA

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07378000 COMITE RIVER NEAR COMITE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	.21	20.03	1.37	6.54	2.38	.39	.19	.16	---	.21	2.57
2	.45	3.19	12.39	.98	9.45	1.30	.34	.19	.50	---	.11	1.11
3	.79	4.90	5.50	.77	5.59	2.02	.31	2.78	.93	---	.06	.73
4	1.05	2.27	3.05	.64	2.63	1.67	.27	2.31	2.39	---	-.10	.69
5	.62	1.33	2.21	.57	1.70	1.03	.26	1.41	1.08	---	-.14	.65
6	.38	1.25	---	.53	---	.76	.25	.64	.63	---	-.08	.42
7	.31	1.09	---	.53	---	1.19	.23	4.90	.73	---	.15	.30
8	.33	1.02	---	6.12	---	1.45	.21	13.12	.62	---	.06	.26
9	.84	3.71	---	5.16	---	1.37	.19	3.99	.59	---	.14	.22
10	.52	1.56	---	2.24	---	.94	.21	1.47	.38	---	1.45	.17
11	5.07	.85	---	1.32	---	.73	2.95	.90	.39	---	1.92	.16
12	4.01	.59	1.00	1.99	---	.61	3.18	.64	.66	---	.65	.19
13	1.82	.47	1.82	2.36	---	.56	3.82	.51	.30	---	.20	.29
14	.98	.41	7.29	1.58	1.79	1.31	2.43	---	.15	---	.09	.19
15	.67	.37	5.23	1.09	---	2.77	1.18	---	.10	---	.00	.19
16	.52	.34	2.56	.94	---	1.39	.73	.33	.08	---	-.02	2.07
17	.43	.41	1.72	2.81	---	.87	.55	.54	.06	---	-.04	2.73
18	.38	.48	1.60	3.55	---	.65	.46	6.50	.05	---	-.05	1.38
19	.33	.40	1.44	3.30	---	.55	.65	5.60	.04	---	-.09	.61
20	.31	.42	1.04	3.94	---	.49	1.35	1.63	.10	---	-.07	.43
21	.29	3.59	.87	2.38	---	.69	.64	1.32	.05	---	.34	.26
22	.26	11.53	.77	1.48	---	.90	.42	.84	---	---	.29	.18
23	.24	5.66	.69	1.12	.52	1.03	.34	.66	---	---	.25	.13
24	.23	2.34	.63	5.63	.49	1.82	.29	.48	---	---	.65	.23
25	.23	1.48	.59	12.70	.48	5.88	.27	.42	---	.35	.24	.16
26	.22	1.07	.56	11.77	2.51	2.12	.24	.38	---	.03	.11	.08
27	.22	.85	.52	6.92	1.17	1.14	.22	.30	---	.26	.07	.17
28	.21	4.35	.50	3.12	1.68	.80	.21	.25	---	.38	.96	.35
29	.19	11.73	1.67	2.07	---	.62	.20	.24	---	.02	8.66	.15
30	.18	16.58	3.05	1.98	---	.52	.20	.21	---	-.11	13.31	.11
31	.17	---	2.42	3.39	---	.44	---	.18	---	.08	9.72	---
MEAN	.73	2.82	---	3.04	---	1.29	.77	---	---	---	1.26	.57
MAX	5.07	16.58	20.03	12.70	9.45	5.88	3.82	13.12	2.39	---	13.31	2.73
MIN	.17	.21	.50	.53	.48	.44	.19	.18	---	-.11	-.14	.08

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in lot 2, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070202, on right bank at downstream side of bridge on U.S. Highway 190, 1,000 ft (300 m) downstream from Comite River, 2.3 mi (3.7 km) southwest of town of Denham Springs, and 15 mi (24 km) east of Baton Rouge.

DRAINAGE AREA.--1,280 mi² (3,315 km²).

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Sept. 1, 1938, to Aug. 8, 1939, non-recording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft (1.180 m) higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (sta 07378510) used as auxiliary gage for this station.

REMARKS.--Records good. Since 1957, entire flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 1,929 ft³/s (54.63 m³/s), 20.46 in/yr (520 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110,000 ft³/s (3,120 m³/s) Apr. 23, 1977, gage height, 41.08 ft (12.521 m), present datum; minimum daily discharge, 271 ft³/s (767 m³/s) Oct. 17, 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft³/s (280 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. 2	0630	*31,300 886	*31.18 9.504	May 8	1830	12,300 348	26.02 7.931
Jan. 27	0130	18,300 518	27.17 8.281	Aug. 31	1230	11,600 329	25.80 7.864
Feb. 3	0800	12,400 351	25.38 7.736				

Minimum discharge, 455 ft³/s (12.89 m³/s) July 27, gage height, 10.38 ft (3.164 m).

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	708	522	24400	2110	5840	2050	991	721	869	771	1110	8380
2	720	2060	29100	1610	10500	1670	953	704	1250	702	928	4570
3	840	4470	19100	1290	12000	1570	926	3070	1540	655	846	1950
4	1050	4640	9780	1120	9860	1870	890	2520	2700	622	742	1510
5	1280	3480	4870	1020	6230	1450	868	1860	2360	615	687	1380
6	928	2900	3010	971	3510	1210	848	1270	1650	1150	685	1220
7	744	3080	2140	944	2560	1550	833	2590	1440	1120	733	1120
8	688	2370	1770	3820	2170	1850	825	11900	1310	923	710	1070
9	944	4110	1690	5520	1920	1620	814	9430	1310	1560	699	1040
10	1060	2830	1610	4180	1740	1400	805	5790	1660	1300	1150	996
11	3490	1750	1470	2570	1610	1280	2340	3230	1320	1480	1360	990
12	4620	1270	1340	2470	1510	1160	2970	2230	1170	947	1140	958
13	3040	1040	1560	2500	1760	1060	3800	1590	1000	837	940	996
14	1570	920	4920	2110	1930	1250	3260	1330	913	798	970	962
15	1120	844	6070	1710	2230	2220	2040	1200	859	1060	867	1110
16	932	791	4970	1520	1780	2410	1430	1100	826	826	1210	1430
17	832	756	3220	2170	1520	1700	1170	1170	804	814	1220	2180
18	764	762	2250	3430	1410	1330	1040	4810	783	796	960	1610
19	720	746	1940	3660	1310	1140	1060	7770	770	785	806	1240
20	692	741	1580	4360	1250	1060	1280	4910	756	757	753	1110
21	692	1670	1370	3810	1190	1100	1420	2490	750	733	965	1010
22	640	7300	1240	2630	1140	1220	1140	1830	758	745	919	945
23	632	8990	1150	2030	1100	1190	962	1440	962	758	839	907
24	608	7020	1090	3900	1070	1210	883	1300	865	831	899	895
25	612	3780	1040	10800	1050	3910	838	1220	766	686	888	887
26	600	2000	995	16800	2050	3300	796	1110	715	531	735	859
27	596	1510	954	17700	1570	1980	769	1050	681	776	723	928
28	572	2240	906	14600	1480	1470	743	1070	680	1080	1020	941
29	553	9470	1500	9410	---	1240	738	1000	671	989	1940	912
30	539	16400	2610	4990	---	1110	731	941	679	933	9410	870
31	528	---	2630	4220	---	1040	---	896	---	829	11300	---
TOTAL	33314	100462	142275	139975	83290	49620	38163	83542	32817	27409	48154	44976
MEAN	1075	3349	4590	4515	2975	1601	1272	2695	1094	884	1553	1499
MAX	4620	16400	29100	17700	12000	3910	3800	11900	2700	1560	11300	8380
MIN	528	522	906	944	1050	1040	731	704	671	531	685	859
CFSM	.84	2.62	3.59	3.53	2.32	1.25	.99	2.11	.85	.69	1.21	1.17
IN.	.97	2.92	4.13	4.07	2.42	1.44	1.11	2.43	.95	.80	1.40	1.31
CAL YR 1977	TOTAL	1214231	MEAN	3327	MAX	94900	MIN	359	CFSM	2.60	IN	35.29
WTR YR 1978	TOTAL	823997	MEAN	2258	MAX	29100	MIN	522	CFSM	1.76	IN	23.95

MISSISSIPPI RIVER DELTA

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07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.09	11.34	29.51	15.07	20.51	14.38	12.08	11.38	11.73	11.49	12.14	23.75
2	12.11	14.68	30.89	14.09	24.52	13.65	11.98	11.34	12.68	11.32	11.62	19.08
3	12.42	19.01	28.59	13.39	25.26	13.43	11.90	15.97	13.35	11.20	11.40	14.13
4	12.89	19.30	25.07	12.99	24.18	14.05	11.82	15.16	15.82	11.12	11.14	13.05
5	13.42	17.32	20.44	12.74	21.06	13.20	11.76	13.92	15.13	11.10	11.00	12.72
6	12.61	16.29	16.61	12.61	16.99	12.66	11.71	12.71	13.64	12.43	10.99	12.28
7	12.18	16.62	15.13	12.54	15.34	13.35	11.66	14.85	13.13	12.36	11.11	12.03
8	12.04	15.34	14.43	17.87	14.61	13.99	11.64	25.19	12.82	11.87	11.05	11.87
9	12.65	18.41	14.26	20.72	14.15	13.55	11.61	24.72	12.82	13.41	11.03	11.79
10	12.91	16.17	14.10	18.44	13.80	13.09	11.59	21.02	13.66	12.81	12.21	11.65
11	17.08	14.16	13.78	15.49	13.54	12.81	14.76	16.81	12.86	13.08	12.78	11.63
12	19.25	13.16	13.49	15.29	13.32	12.53	16.05	14.87	12.49	11.67	12.21	11.53
13	16.50	12.65	13.88	15.37	13.84	12.30	17.51	13.49	12.08	11.37	11.65	11.65
14	13.82	12.35	19.75	14.61	14.15	12.74	16.57	12.88	11.84	11.28	11.74	11.55
15	12.84	12.16	21.48	13.78	14.73	14.69	14.37	12.54	11.71	11.99	11.45	11.97
16	12.38	12.03	19.82	13.37	13.88	15.05	13.14	12.33	11.62	11.34	12.39	12.81
17	12.13	11.94	16.96	14.62	13.34	13.71	12.55	12.48	11.57	11.32	12.41	14.67
18	11.96	11.96	15.33	16.88	13.11	12.92	12.20	19.37	11.52	11.27	11.71	13.31
19	11.85	11.92	14.76	17.28	12.89	12.50	12.25	23.39	11.48	11.24	11.29	12.35
20	11.78	11.90	14.02	18.44	12.75	12.29	12.82	19.67	11.45	11.17	11.16	11.98
21	11.78	13.72	13.57	17.52	12.61	12.38	13.14	15.39	11.44	11.11	11.72	11.69
22	11.65	22.85	13.27	15.48	12.49	12.67	12.46	14.01	11.46	11.14	11.59	11.50
23	11.63	24.42	13.06	14.38	12.40	12.62	12.00	13.13	11.97	11.18	11.38	11.38
24	11.57	22.59	12.91	17.41	12.33	12.66	11.80	12.80	11.72	11.37	11.54	11.35
25	11.58	17.82	12.79	24.53	12.27	17.66	11.68	12.61	11.48	11.00	11.51	11.32
26	11.55	14.65	12.67	26.74	14.31	16.63	11.57	12.34	11.35	10.59	11.12	11.24
27	11.54	13.69	12.57	26.98	13.42	14.25	11.50	12.20	11.27	11.23	11.09	11.44
28	11.48	15.59	12.45	26.10	13.25	13.24	11.44	12.23	11.26	12.05	11.88	11.48
29	11.43	24.41	13.69	23.81	---	12.70	11.43	12.07	11.24	11.79	18.94	11.40
30	11.39	27.36	15.94	19.44	---	12.39	11.41	11.91	11.26	11.63	24.55	11.28
31	11.36	---	15.98	18.20	---	12.21	---	11.80	---	11.35	25.63	---
MEAN	12.64	16.19	16.81	17.30	15.32	13.43	12.61	14.99	12.26	11.59	12.69	12.66
MAX	19.25	27.36	30.89	26.98	25.26	17.66	17.51	25.19	15.82	13.41	25.63	23.75
MIN	11.36	11.34	12.45	12.54	12.27	12.21	11.41	11.34	11.24	10.59	10.99	11.24

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°26'30", long 90°58'20", in lot 41, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070202, on left bank, 3.0 mi (4.8 km) downstream from gaging station Amite River near Denham Springs (Sta 07378500), 3.0 mi (4.8 km) southwest of town of Denham Springs, and 3.2 mi (5.1 km) downstream from Comite River.

DRAINAGE AREA.--1,290 mi² (3,340 km²), approximately.

PERIOD OF RECORD.--October 1973 to September 1975, February to current year (elevations only). Unpublished records, October 1945 to September 1973, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Dec. 23, 1952, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.12 ft (0.951 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 38.21 ft (11.646 m), present datum, Apr. 23, 1977; minimum, 6.08 ft (1.853 m), present datum, Oct. 26, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 30.27 ft (9.226 m) Dec. 2; minimum, not determined.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.50	6.91	26.82	11.34	13.36	7.44	4.90	4.05	3.40		---	16.09
2	7.50	10.26	28.56	10.22	17.63	6.80	4.77	3.95	4.43		---	13.74
3	7.96	14.70	26.51	9.37	19.23	6.43	4.65	9.71	5.18		---	10.85
4	8.37	15.65	22.94	8.85	18.39	7.19	4.57	9.29	7.73		---	9.44
5	9.26	13.86	18.41	8.54	15.64	6.31	4.49	7.26	7.56		---	8.77
6	8.37	12.53	13.62	8.34	11.22	5.67	4.44	5.82	5.78		---	8.03
7	7.78	12.84	11.26	---	8.82	6.39	4.39	7.29	5.23		---	7.49
8	7.55	11.66	10.40	---	7.94	7.26	4.35	17.53	4.78		---	7.09
9	8.38	14.48	10.12	---	7.40	6.61	4.32	18.03	4.66		---	7.11
10	8.45	12.73	9.99	---	6.88	6.18	4.28	14.81	5.60		---	7.04
11	12.56	10.43	9.62	9.10	6.65	5.83	7.54	9.44	4.89		---	7.07
12	15.47	9.23	9.26	8.57	6.38	5.51	9.42	7.46	4.33		---	7.03
13	13.20	8.58	9.48	8.73	6.91	5.23	10.75	5.67	3.88		---	7.15
14	10.07	8.21	15.46	7.94	7.22	5.66	10.08	4.84	3.58		---	7.08
15	8.79	7.98	17.52	6.94	7.95	7.61	7.73	4.39	3.41		---	7.48
16	8.19	7.80	16.62	6.37	7.09	8.27	6.23	4.10	3.29		---	8.48
17	7.85	7.68	13.72	7.61	6.44	6.88	5.51	4.01	3.22		---	10.71
18	7.62	7.70	11.59	9.94	6.15	5.96	5.05	10.17	3.15		---	9.30
19	7.48	7.65	10.87	10.55	5.88	5.47	5.03	15.49	3.11		---	8.20
20	7.38	7.65	9.97	11.55	5.73	5.21	5.65	13.39	3.06		---	7.67
21	7.37	9.16	9.39	11.12	5.56	5.27	6.07	8.43	3.07		---	7.32
22	7.24	18.21	9.02	8.99	5.42	5.67	5.41	6.31	---		---	7.06
23	7.20	20.84	8.77	7.68	5.31	5.56	4.84	5.17	---		---	6.91
24	7.14	19.68	8.61	10.24	5.22	5.59	4.57	4.73	---		7.93	6.85
25	7.13	15.32	8.48	17.57	5.15	10.47	4.39	4.49	---		7.86	6.85
26	7.13	11.16	8.35	20.86	7.24	10.18	4.27	4.18	---		7.40	6.78
27	7.11	9.84	8.25	21.50	6.66	7.52	4.19	3.96	---		7.34	7.06
28	7.07	11.06	8.11	20.68	6.22	6.31	4.12	3.95	---		8.06	6.99
29	7.00	19.83	9.35	18.46	---	5.67	4.08	3.84	---		15.22	6.86
30	6.96	24.39	12.38	14.28	---	5.29	4.07	3.61	---		20.95	6.85
31	6.94	---	12.15	11.99	---	5.05	---	3.47	---		19.23	---
MEAN	8.32	12.27	13.08	---	8.56	6.47	5.47	7.38	---		---	8.18
MAX	15.47	24.39	28.56	21.50	19.23	10.47	10.75	18.03	7.73		20.95	16.09
MIN	6.94	6.91	8.11	---	5.15	5.05	4.07	3.47	---		---	6.78

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1973 to current year.

WATER TEMPERATURES: March 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1973.

REMARKS.--Lower limit of specific conductance sensor is 28 micromhos. Probes are 3.0 ft (0.9 m) above bottom of river. Flow data are available for Amite River near Denham Springs (station 07378500), 3.0 mi (4.8 km) upstream.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 156 micromhos Mar. 10, 1974; minimum, 28 micromhos or lower several days during spring of each year.

WATER TEMPERATURES: Maximum, 33.0°C July 31, Aug. 1, 1976; minimum, 7.5°C Dec. 27, 1975, Jan. 9, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	HARD- NESS (MG/L AS CAC03)
OCT												
25...	1015	612	59	7.2	21.0	55	25	8.6	--	160	1600	16
NOV												
07...	1700	3050	49	6.1	17.5	60	20	8.1	.9	760	K72	9
DEC												
15...	1430	6140	42	6.4	14.0	60	35	8.7	2.7	9000	17000	9
JAN												
31...	1400	3720	53	6.9	7.0	50	50	10.2	2.0	--	4700	12
FEB												
23...	1030	976	60	6.6	9.5	15	30	10.6	2.4	K64	300	12
MAR												
17...	1000	1550	54	6.7	16.0	40	70	9.4	6.2	160	180	10
APR												
14...	0930	2840	53	5.9	20.0	60	45	7.9	6.0	K1000	470	12
MAY												
19...	1015	8290	36	5.4	22.0	60	80	7.1	4.1	--	--	8
JUN												
20...	1400	560	64	6.9	27.0	15	25	7.9	2.9	K70	720	16
JUL												
20...	1400	357	64	6.7	31.0	80	75	4.9	.0	K3600	--	12
AUG												
24...	1000	656	62	6.2	29.0	80	80	8.6	2.6	3000	2700	10
SEP												
08...	1145	1060	56	6.3	29.0	60	60	8.0	.0	--	330	13

DATE	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	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)
OCT												
25...	0	4.4	1.2	5.6	40	.6	1.6	20	0	16	3.2	6.3
NOV												
07...	1	2.3	.8	3.5	38	.5	2.6	10	0	8	3.3	5.0
DEC												
15...	2	2.3	.8	3.1	36	.4	2.2	9	0	7	3.4	4.9
JAN												
31...	3	3.1	1.0	4.7	42	.6	1.7	11	0	9	5.9	5.8
FEB												
23...	0	2.9	1.2	5.9	48	.7	1.4	16	0	13	2.6	7.0
MAR												
17...	1	2.9	.7	11	65	1.5	2.0	11	0	9	4.8	5.0
APR												
14...	0	3.6	.8	4.3	39	.5	2.0	17	0	14	2.3	5.3
MAY												
19...	5	1.9	.7	2.2	31	.3	2.5	4	0	3	8.0	3.1
JUN												
20...	0	3.8	1.5	7.7	48	.8	1.8	20	0	16	3.9	8.1
JUL												
20...	0	2.5	1.4	6.2	49	.8	1.7	19	0	16	1.4	6.6
AUG												
24...	0	2.2	1.1	7.0	53	1.0	2.7	14	0	11	2.4	8.0
SEP												
08...	0	3.0	1.4	5.2	42	.6	2.1	19	0	16	110	7.2

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

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)
OCT 25...	.1	13	--	46	.05	64.4	.11	--	--	.21	--	--
NOV 07...	.1	9.2	41	32	.06	338	.31	--	--	.71	--	--
DEC 15...	.1	7.9	45	29	.06	746	.35	.24	--	--	--	--
JAN 31...	.0	9.5	36	37	.05	362	.23	.18	.51	.69	.64	.05
FEB 23...	.0	12	40	41	.05	105	.20	.15	.27	.42	.02	.40
MAR 17...	.1	8.6	44	41	.06	184	.22	.13	.37	.50	.08	.42
APR 14...	.1	8.3	46	36	.06	353	.24	.29	.81	1.1	.00	1.1
MAY 19...	.1	4.4	31	25	.04	694	.27	.16	--	--	--	.58
JUN 20...	.1	12	51	49	.07	77.1	.18	.06	1.2	1.3	.37	.93
JUL 20...	.0	12	45	42	.06	43.4	.10	.06	.86	.92	.50	.42
AUG 24...	.0	12	44	43	.06	77.9	.21	.12	.98	1.1	.47	.63
SEP 08...	.1	12	43	150	.06	--	.16	.14	1.6	1.7	1.4	.35

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT 25...	.32	1.4	.07	--	2.8	--	--	--	64	82	135
NOV 07...	1.0	4.5	.12	--	--	--	--	300	82	134	1100
DEC 15...	--	--	.21	.03	--	--	--	--	83	408	6760
JAN 31...	.92	4.1	.16	.04	--	6.7	1.4	--	--	--	--
FEB 23...	.62	2.7	.08	.03	2.6	--	--	--	88	44	116
MAR 17...	.72	3.2	.22	.14	8.1	--	--	--	90	106	444
APR 14...	1.3	5.9	.15	.05	--	12	3.0	--	78	186	1430
MAY 19...	--	--	.01	.01	10	--	--	--	98	330	7390
JUN 20...	1.5	6.6	.09	.04	2.4	--	--	--	78	74	112
JUL 20...	1.0	4.5	.13	.03	--	5.3	1.3	--	91	112	108
AUG 24...	1.3	5.8	.12	.04	6.1	--	--	--	98	119	211
SEP 08...	1.9	8.2	.10	.02	4.9	--	--	--	100	126	--

MISSISSIPPI RIVER DELTA

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07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (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)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 25...	1	1	0	--	--	--	<10	<10	0	15
JAN 31...	2	1	1	0	0	0	2	0	2	0
APR 14...	4	0	4	300	100	200	1	0	1	10
JUL 20...	2	0	2	200	0	200	1	1	0	0

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, 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)
OCT 25...	10	5	<50	<50	0	<10	<8	2	1500	1500
JAN 31...	0	0	1	1	0	10	4	6	2500	2400
APR 14...	10	0	0	0	0	8	0	8	2000	1800
JUL 20...	0	0	2	0	2	11	6	5	2700	2600

DATE	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)	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 25...	30	<100	<100	0	320	70	250	.0	.0	.0
JAN 31...	110	6	4	2	240	120	120	.1	.1	.0
APR 14...	170	1	0	1	110	70	40	.0	.0	.0
JUL 20...	120	17	12	5	270	150	120	.0	.0	.0

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (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)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 25...	0	0	0	--	--	--	20	0	20
JAN 31...	0	0	0	2	2	0	20	0	20
APR 14...	0	0	0	0	0	0	20	10	10
JUL 20...	0	0	0	1	1	0	30	20	10

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

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	55	39	---	---	---	---
4	---	---	43	39	---	---	56	54	---	---	---	---
5	51	44	44	42	---	---	57	55	---	---	---	---
6	54	51	45	43	---	---	58	57	---	---	---	---
7	57	55	45	43	---	---	58	53	---	---	---	---
8	72	57	50	45	---	---	97	53	---	---	---	---
9	114	72	84	49	---	---	54	51	---	---	---	---
10	81	58	49	45	---	---	51	51	---	---	---	---
11	78	53	46	42	---	---	53	50	---	---	---	---
12	52	46	50	46	---	---	70	52	---	---	---	---
13	50	48	52	50	---	---	---	---	---	---	---	---
14	53	49	---	---	---	---	---	---	---	---	---	---
15	57	53	---	---	---	---	---	---	---	---	---	---
16	59	57	---	---	---	---	---	---	---	---	---	---
17	61	60	---	---	---	---	---	---	---	---	---	---
18	64	61	---	---	---	---	---	---	60	58	---	---
19	66	65	---	---	---	---	---	---	61	60	---	---
20	69	66	---	---	---	---	---	---	61	59	---	---
21	---	---	---	---	---	---	---	---	62	61	---	---
22	---	---	56	46	---	---	---	---	61	60	---	---
23	---	---	55	45	---	---	---	---	63	61	---	---
24	---	---	45	38	---	---	---	---	65	61	---	---
25	---	---	45	39	---	---	---	---	69	65	91	56
26	---	---	40	37	---	---	---	---	77	68	57	56
27	---	---	45	38	---	---	---	---	82	75	58	56
28	---	---	55	35	---	---	---	---	---	---	60	58
29	---	---	38	34	---	---	---	---	---	---	61	59
30	---	---	42	34	---	---	---	---	---	---	63	61
31	---	---	---	---	---	---	---	---	---	---	63	62

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	68	55	98	84	62	60	75	70	49	45	---	---
2	72	62	100	81	83	59	71	67	47	43	---	---
3	63	62	136	81	69	59	69	66	46	39	---	---
4	66	62	170	132	65	51	70	63	44	39	---	---
5	63	62	184	171	51	50	75	64	42	39	---	---
6	63	62	178	165	76	51	74	57	46	40	57	56
7	63	62	161	45	110	76	101	57	---	---	59	57
8	63	62	45	43	143	81	68	56	---	---	59	57
9	63	62	43	42	76	55	74	54	---	---	64	59
10	63	62	45	42	57	50	68	52	---	---	68	59
11	141	63	44	44	58	50	95	67	---	---	64	60
12	70	63	46	44	57	53	92	59	---	---	61	68
13	64	55	52	46	57	53	62	53	---	---	65	61
14	60	53	111	52	57	55	60	52	---	---	---	---
15	73	55	136	52	59	56	85	53	---	---	---	---
16	---	---	146	51	59	58	60	54	---	---	---	---
17	---	---	120	54	61	59	59	49	---	---	---	---
18	---	---	78	40	62	60	50	48	---	---	---	---
19	---	---	41	40	63	62	49	46	---	---	---	---
20	---	---	---	---	65	63	54	49	---	---	---	---
21	---	---	---	---	66	64	53	46	---	---	---	---
22	56	52	---	---	70	66	47	45	---	---	---	---
23	58	56	---	---	73	65	51	44	---	---	---	---
24	62	58	---	---	67	66	49	45	---	---	---	---
25	66	62	---	---	69	67	51	47	---	---	---	---
26	69	63	---	---	71	70	55	50	---	---	---	---
27	82	68	---	---	73	71	67	40	---	---	---	---
28	99	84	---	---	80	73	86	55	---	---	---	---
29	102	82	---	---	76	73	74	42	---	---	---	---
30	90	74	63	42	75	72	45	41	---	---	---	---
31	---	---	63	61	---	---	46	42	---	---	---	---

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	24.0	23.0			---	---	---	---	15.5	14.5
2	---	---	25.5	21.5			---	---	---	---	15.5	14.5
3	---	---	21.0	19.0			9.5	8.5	---	---	14.5	12.5
4	---	---	19.5	18.5			10.0	8.0	---	---	12.5	10.0
5	---	---	19.0	18.5			12.0	9.5	---	---	11.0	9.0
6	24.0	22.0	19.0	18.5			14.5	11.0	---	---	13.0	10.5
7	24.5	23.0	19.0	18.5			16.0	13.5	---	---	14.0	13.5
8	25.5	24.0	20.5	19.0			16.0	14.0	---	---	14.0	13.5
9	25.5	24.0	21.5	20.0			13.5	11.0	---	---	13.5	11.5
10	24.0	22.5	20.0	16.5			10.5	8.5	---	---	13.0	11.0
11	22.5	20.0	16.5	15.5			9.0	8.5	---	---	14.0	12.5
12	20.0	19.0	16.0	15.0			9.0	8.0	---	---	16.0	14.0
13	18.5	18.0	16.0	15.0			---	---	---	---	17.0	15.0
14	18.5	17.5	16.0	14.0			---	---	---	---	19.5	17.0
15	19.5	18.0	16.5	15.0			---	---	---	---	19.5	18.5
16	20.0	18.5	19.0	16.5			---	---	---	---	18.5	16.5
17	19.0	18.0	20.5	19.0			---	---	12.0	11.5	16.5	15.5
18	19.5	17.5	20.0	18.0			---	---	11.5	10.0	17.5	15.0
19	21.0	18.0	18.5	17.0			---	---	10.0	9.0	18.5	16.0
20	21.5	20.0	21.0	18.5			---	---	10.0	8.0	18.0	17.0
21	22.0	20.5	22.0	21.0			---	---	10.0	8.5	18.5	16.0
22	21.5	20.5	20.5	19.5			---	---	9.5	8.0	19.0	17.0
23	22.5	21.0	19.5	19.0			---	---	11.0	8.5	19.5	18.5
24	23.5	21.5	19.5	18.5			---	---	12.0	10.0	20.0	18.5
25	24.0	23.0	18.5	17.5			---	---	13.0	11.5	20.0	17.5
26	23.0	22.0	17.5	15.5			---	---	14.0	13.0	17.5	16.0
27	22.5	21.0	16.0	14.5			---	---	14.0	13.0	17.5	16.0
28	22.0	20.5	18.0	16.0			---	---	15.0	13.5	18.0	16.5
29	22.5	20.5	17.5	16.5			---	---	---	---	19.0	17.0
30	22.5	21.0	17.0	17.0			---	---	---	---	19.5	17.5
31	23.5	22.0	---	---			---	---	---	---	20.5	18.0

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.0	18.5	25.5	21.0	30.0	27.0	32.0	28.5	29.5	27.5	---	---
2	22.0	19.5	25.0	21.0	28.0	26.5	31.5	28.5	30.5	28.0	---	---
3	22.5	20.5	22.0	20.5	26.5	25.5	31.5	28.5	32.5	28.0	---	---
4	23.5	21.0	21.5	20.0	26.0	25.0	32.5	29.0	31.5	28.0	---	---
5	24.5	21.5	22.5	20.5	27.0	25.5	32.0	29.0	30.5	28.0	---	---
6	23.5	22.0	23.0	22.5	27.5	26.0	30.0	28.5	30.0	28.0	29.5	27.5
7	23.5	22.0	23.0	22.0	26.5	25.5	29.0	28.0	---	---	29.0	26.5
8	25.0	22.5	22.5	22.0	28.0	26.0	30.5	28.0	---	---	27.5	26.5
9	25.0	23.0	23.5	22.0	29.5	27.0	30.0	29.0	---	---	26.5	25.5
10	24.0	23.0	24.0	23.0	28.5	27.5	30.0	29.0	---	---	27.0	25.5
11	23.5	19.5	24.0	23.5	28.0	27.0	29.5	27.5	---	---	27.0	26.0
12	19.5	17.5	24.0	23.0	28.5	26.5	30.5	28.0	---	---	27.5	26.0
13	19.5	17.0	25.5	23.5	30.5	28.0	31.5	28.5	---	---	28.0	26.5
14	20.5	18.5	25.0	23.0	30.0	27.5	31.5	29.0	---	---	27.5	26.5
15	21.5	19.5	25.5	23.0	30.0	26.5	30.5	28.0	---	---	27.0	26.0
16	---	---	25.5	24.0	31.0	27.0	---	---	---	---	26.5	25.5
17	---	---	24.0	22.5	30.5	27.5	---	---	---	---	27.0	25.0
18	---	---	22.5	21.5	31.0	28.0	32.5	28.5	---	---	27.5	26.5
19	---	---	22.0	21.5	30.5	28.5	30.5	28.5	---	---	28.5	27.0
20	---	---	---	---	31.0	27.5	30.5	28.0	---	---	29.0	27.0
21	---	---	---	---	32.0	28.5	29.5	28.0	---	---	29.0	27.0
22	23.0	21.0	---	---	31.0	29.0	29.0	26.5	---	---	29.0	26.5
23	24.0	21.5	---	---	32.0	29.0	29.5	26.5	---	---	28.5	26.0
24	25.5	22.0	---	---	34.0	30.0	28.0	27.0	---	---	27.5	26.0
25	25.5	22.5	---	---	34.5	31.0	30.0	26.5	---	---	27.5	26.0
26	23.0	21.0	---	---	34.5	31.0	29.5	28.0	---	---	27.0	24.5
27	22.5	19.5	---	---	32.0	31.0	28.0	25.0	---	---	26.5	25.0
28	23.5	19.5	---	---	33.0	29.5	28.0	25.0	---	---	---	---
29	23.0	20.5	---	---	30.5	28.0	30.0	27.0	---	---	---	---
30	23.0	21.0	30.0	28.0	30.0	28.0	32.0	28.0	---	---	---	---
31	---	---	30.5	27.0	---	---	30.5	28.0	---	---	---	---

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER ‡977 TO SEPTEMBER ‡978

NOV. 7, 1977 1700 HOURS

PHYTOPLANKTON 300 CELLS/ML

__ORGANISM__ NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
...ANKISTRODESMUS	18	6
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...CYMBELLACEAE		
...CYMBELLA	27	9
...FRAGILARIACEAE		
...SYNEDRA	9	3
...NAVICULACEAE		
...NAVICULA	63	21
...PINNULARIA	9	3
...NITZSCHACEAE		
...NITZSCHIA	18	6
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCOCCALES		
...CHROCOCCACEAE		
...ANACYSTIS	36	12
..HORMOGONALES		
...NOSTOCACEAE		
...ANABAENA	99	33
EUGLENOPHYTA		
.CRYPTOPHYCEAE		
..CRYPTOMONIDALES		
...CRYPTOCHRYSIDACEAE		
...CHROOMONAS	9	3
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
...TRACHELOMONAS	9	3

MISSISSIPPI RIVER DELTA

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07380108 BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT, LA

LOCATION.--Lat 30°20'43", long 90°53'35", in lot 18, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, on right bank 100 ft (30 m) upstream from mouth, 2.6 mi (4.2 km) northwest of Port Vincent.

DRAINAGE AREA.--153 mi² (396 km²).

PERIOD OF RECORD.--Annual maximum elevation, water years 1972-74, October 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1974 at datum 1.00 ft (0.305 m) higher.

REMARKS.--No elevations recorded below 1.09 ft (0.332 m). Elevations affected by tide below about 3.0 ft (0.91 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 17.38 ft (5.297 m) Apr. 23, 1977.

EXTREMES FOR CURRENT YEAR. Maximum elevation, 10.57 ft (3.222 m) Dec. 3.

ELEVATION, IN FEET NGVD, 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		2.07	7.14	1.98	2.97	1.33		1.39	1.37			3.70
2		3.12	9.10	1.43	4.10	1.48		1.49	1.46			2.15
3		3.24	10.57		4.63	1.67		2.73	1.40			1.45
4	1.65	3.16	9.25		4.97			4.07	1.46			1.28
5	1.79	2.21	6.66		4.44			2.93	1.67			1.37
6	1.92	2.06	3.83		2.86			2.49	1.52			1.72
7	1.87	1.67	1.52		1.51			2.70	1.45			
8	1.96	1.65	1.59	2.57	1.82	2.18		4.16	1.58		1.52	1.71
9	1.87	2.61	1.70	2.56	1.68	1.64		4.87	1.36		2.28	1.58
10	1.73	2.10	1.70	2.16	1.34			4.78	1.39		2.26	1.51
11	2.37		1.71	1.57			1.40	3.53	1.39		2.01	
12	3.10		1.56	2.02			1.85	2.40			1.46	1.48
13	2.56		1.78	2.25	1.69		2.41	2.13				1.59
14			2.83	1.35		1.57	2.16	1.34				1.49
15			2.99			1.43	1.78					1.48
16		1.44	3.00				1.47					1.55
17		1.44	2.57	1.35			1.52		1.71			1.64
18		1.53	1.80		1.47		1.50	1.85	2.01			1.98
19		2.24		2.00				2.66	2.07			2.11
20		2.56		1.64				2.88	1.98			2.27
21		2.35		1.50				2.08	1.98	1.67		2.13
22		3.46						1.54	1.97	2.00		2.01
23	1.77	3.67					1.79	1.49	1.75	1.99		1.80
24	2.15	3.92		1.61			1.99	1.59	1.45	2.12	1.35	1.59
25	2.74	3.41		4.05			1.91	1.67		1.99	1.57	1.44
26	2.34	1.89		5.11				1.55			1.49	1.65
27	1.73	1.48		6.30				1.45			1.76	2.14
28		1.60		6.74	1.43			1.50			1.95	2.41
29		2.26		5.94	---			1.58			3.44	2.62
30		5.23	2.65	4.31	---			1.47			4.05	2.86
31	1.45	---	2.21	2.96	---		---	1.34	---		4.19	---
MAX	3.10	5.23	10.57	6.74	4.97	2.18	2.41	4.87	2.07	2.12	4.19	3.70

MISSISSIPPI RIVER DELTA

07380228 NEW RIVER AT ACY, LA

LOCATION.--Lat 30°13'07", long 90°49'15", at center E½ sec.32, T.9 S., R.4 E., Ascension Parish, Hydrologic Unit 08070204, near left bank on downstream side of bridge on State Highway 22, at Acy, and 2.4 mi (3.9 km) upstream from Bayou Francois.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1976 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 3.91 ft (1.192 m) National Geodetic Vertical Datum of 1929. (levels by Louisiana Department of Transportation and Development, Office of Public Works).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.79 ft (2.679 m) Sept. 6, 1977; minimum, 2.57 ft (0.783 m) Feb. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.15 ft (2.179 m) May 9; minimum, 2.57 ft (0.783 m) Feb. 24.

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	5.28	5.77	7.04	5.44	5.33	5.02	4.14	5.15	5.17	4.80	4.32	5.93
2	5.00	6.73	6.77	5.02	5.77	5.19	4.42	5.27	5.35	4.69	4.47	5.75
3	5.05	6.88	6.43	4.92	5.66	5.50	4.65	6.10	5.15	4.55	4.30	5.47
4	5.40	6.56	6.32	4.79	5.39	4.75	4.89	6.52	5.12	4.23	4.34	5.13
5	5.48	6.30	6.19	4.96	5.06	4.55	4.73	6.27	5.21	4.26	4.95	4.97
6	5.64	5.86	5.87	4.96	4.55	4.77	4.69	6.09	5.22	4.27	5.06	5.14
7	5.64	5.20	4.71	4.50	4.32	5.10	4.44	6.24	5.09	4.17	4.92	5.49
8	5.74	5.19	5.10	5.78	4.86	6.35	4.24	6.66	5.34	4.40	5.30	5.50
9	5.64	5.75	5.29	5.63	5.25	5.80	4.45	7.01	5.06	4.76	4.89	5.38
10	5.50	5.35	5.32	4.27	4.92	4.36	4.88	7.06	5.08	4.80	6.01	5.32
11	6.34	4.28	5.36	4.19	4.33	3.71	5.20	6.65	5.05	5.05	5.85	5.20
12	6.49	3.88	5.23	5.13	4.80	4.18	5.34	6.28	4.96	5.06	5.38	5.30
13	5.99	4.29	5.46	5.38	5.34	4.73	6.00	6.00	4.64	4.62	4.80	5.40
14	5.00	4.83	6.13	4.37	4.46	5.32	5.52	5.31	4.86	4.46	5.03	5.30
15	4.53	4.89	5.87	3.37	4.42	5.14	5.34	4.39	4.90	4.37	4.66	5.32
16	4.37	5.18	5.53	3.74	4.98	4.79	5.17	3.98	4.93	4.53	4.62	5.39
17	4.35	5.16	5.44	4.53	5.04	3.95	5.22	4.63	5.49	4.67	4.59	5.66
18	4.41	5.26	5.15	4.05	5.22	3.46	5.26	5.50	5.74	4.89	4.66	5.79
19	4.25	5.88	4.74	4.88	4.40	3.70	4.51	5.60	5.84	5.10	4.81	5.85
20	4.24	6.15	4.62	4.12	4.36	3.96	4.16	5.33	5.76	4.86	4.89	6.01
21	4.70	6.14	3.69	3.78	3.84	3.94	4.30	5.12	5.75	5.44	4.70	5.94
22	5.05	6.57	3.00	3.76	3.18	4.49	4.86	5.16	5.74	5.73	4.88	5.89
23	5.55	6.32	3.72	4.09	2.89	4.60	5.52	5.20	5.56	5.76	4.97	5.65
24	5.86	6.05	4.14	4.92	2.75	4.68	5.73	5.35	5.22	5.87	5.05	5.44
25	6.80	5.84	4.45	6.36	3.72	4.63	5.74	5.44	4.91	5.79	5.30	5.26
26	6.74	5.40	4.39	6.38	4.31	4.09	4.86	5.32	4.93	5.05	5.32	5.48
27	6.23	5.16	4.49	5.90	4.74	3.95	4.04	5.22	4.85	4.74	5.56	5.88
28	5.33	5.42	4.41	5.27	5.21	4.17	4.24	5.29	4.66	4.76	5.80	6.14
29	4.96	5.29	4.82	4.55	---	4.10	4.56	5.36	4.57	4.57	6.21	6.28
30	4.97	6.88	5.87	4.32	---	4.14	4.86	5.25	4.66	4.56	6.01	6.44
31	5.21	---	5.63	4.90	---	4.15	---	5.06	---	4.39	6.19	---
MEAN	5.35	5.62	5.20	4.78	4.61	4.56	4.87	5.61	5.16	4.81	5.09	5.59
MAX	6.80	6.88	7.04	6.38	5.77	6.35	6.00	7.06	5.84	5.87	6.21	6.44
MIN	4.24	3.88	3.00	3.37	2.75	3.46	4.04	3.98	4.57	4.17	4.30	4.97

MISSISSIPPI RIVER DELTA

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07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA

LOCATION.--Lat 29°49'22", long 90°28'36", in NW 1/4 sec.43, T.14 S., R.20 E., St. Helena Meridian, St. Charles-Lafourche Parish line, Hydrologic Unit 08090301, at bridge on U.S. Highway 90 in Des Allemands.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1959, 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS, DIS-SOLVED AS CaCO3	HARDNESS, NONCARBONATE, DIS. (MG/L CaCO3)
NOV 21...	1400	570	7.4	55	20	7.6	--	--	--	K620	94	42
JAN 23...	1205	221	7.1	50	65	11.0	50	2.3	520	120	61	20
FEB 16...	1100	126	7.3	80	40	10.4	27	1.9	K20	K12	35	5
MAR 16...	1115	181	7.2	50	60	8.5	51	3.5	--	12	55	9
APR 19...	1100	254	7.3	60	25	7.9	43	2.7	K80	K80	58	16
MAY 23...	1000	201	7.2	70	25	6.1	66	5.2	K5	K5	54	6
JUN 20...	1015	200	7.5	40	20	6.5	45	3.8	K23000	K24	62	10
JUL 14...	0945	--	--	--	--	5.3	--	5.0	K20	K5	--	--
JUL 17...	0900	315	7.4	40	4	--	46	--	--	--	66	12
AUG 30...	1105	668	7.2	30	7	6.0	29	1.4	14000	--	--	--
SEP 12...	1130	271	7.2	40	10	6.0	75	4.9	1200	--	63	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 HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (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)
NOV 21...	18	12	73	61	3.3	5.4	64	0	53	4.1	15	130
JAN 23...	15	5.6	18	38	1.0	2.5	50	0	41	6.4	20	30
FEB 16...	8.9	3.1	8.7	34	.6	1.9	37	0	30	3.0	6.5	15
MAR 16...	14	4.9	14	34	.8	2.9	56	0	46	5.7	13	19
APR 19...	14	5.5	21	43	1.2	3.0	51	0	42	4.1	11	31
MAY 23...	14	4.6	18	40	1.1	2.9	59	0	48	6.0	11	23
JUN 20...	15	5.9	17	36	.9	2.7	63	0	52	3.2	7.4	29
JUL 14...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	15	6.9	33	51	1.8	3.4	66	0	54	4.2	10	56
AUG 30...	--	--	--	--	--	--	73	0	60	7.4	--	--
SEP 12...	15	6.3	28	48	1.5	2.8	65	0	53	6.6	11	50

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

MISSISSIPPI RIVER DELTA

07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)
NOV 21...	--	<1.0	--	--	.39	--	.26	--	--	1	--	--
JAN 23...	130	<1.0	.20	.02	.22	.82	.22	2	1	1	0	0
FEB 16...	53	<1.0	.11	.03	.14	.73	.13	2	1	1	0	0
MAR 16...	97	<1.0	.15	.02	.17	.89	.30	2	2	0	0	0
APR 19...	24	<1.0	.03	.01	.04	1.2	.13	2	1	1	0	0
MAY 23...	20	<1.0	.00	.01	.01	1.6	.16	2	0	2	0	0
JUN 20...	29	<1.0	.04	.01	.05	.46	.14	4	1	3	0	0
JUL 14...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	28	<1.0	.02	.03	.05	1.8	.39	8	3	5	0	0
AUG 30...	--	<1.0	.09	.02	.11	.88	.11	--	--	--	--	--
SEP 12...	25	<1.0	.02	.02	.04	1.4	.16	5	2	3	0	0

DATE	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)	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- PENDE 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- PENDE RECOV- ERABLE (UG/L AS PB)
NOV 21...	--	--	--	0	--	0	--	--	9	60	--	--
JAN 23...	0	2	0	2	10	0	9	0	9	180	6	5
FEB 16...	0	1	0	1	0	0	13	7	6	210	1	0
MAR 16...	0	1	0	1	0	0	5	0	5	190	2	0
APR 19...	0	1	0	1	0	0	8	6	2	100	4	4
MAY 23...	0	1	0	1	5	0	7	4	3	160	4	4
JUN 20...	0	1	0	1	10	0	4	0	4	80	3	2
JUL 14...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	0	4	2	2	0	0	8	3	5	60	2	0
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 12...	0	0	0	0	10	0	4	0	4	40	2	1

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

MISSISSIPPI RIVER DELTA

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07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECQV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECQV- 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)
NOV 21...	18	.0	--	--	--	--	--	--	--	--	--
JAN 23...	1	.0	.0	.0	16	11	5	0	0	0	.0
FEB 16...	1	.2	.2	.0	1	0	1	0	0	0	1.0
MAR 16...	2	.0	.0	.0	4	4	0	0	0	0	.0
APR 19...	0	.0	.0	.0	5	5	0	0	0	0	.0
MAY 23...	0	.0	.0	.0	3	3	0	0	0	0	.0
JUN 20...	1	.0	.0	.0	5	3	2	4	0	4	.3
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
JUL 17...	2	.0	.0	.0	7	5	2	0	0	0	.0
AUG 30...	--	--	--	--	--	--	--	--	--	--	--
SEP 12...	1	.0	.0	.0	3	1	2	0	0	0	.0

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECQV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
NOV 21...	--	--	10	14	.00	10	--	.0	.00	.00	.0	.00
JAN 23...	30	20	10	12	.00	4	0	.0	.00	.000	.0	.000
FEB 16...	20	10	10	9.9	.00	2	0	.0	.00	.000	.0	.000
MAR 16...	10	0	10	12	.00	2	0	.0	.00	.000	.0	.000
APR 19...	10	10	0	9.6	.00	0	0	.0	.00	.000	.0	.000
MAY 23...	10	0	10	20	.00	4	0	.0	.00	.000	.0	.000
JUN 20...	10	0	10	15	.00	3	0	.0	.00	.000	.0	.000
JUL 14...	--	--	--	--	--	--	0	.0	.00	.000	.0	.000
JUL 17...	10	0	10	19	.00	5	--	--	--	--	--	--
AUG 30...	--	--	--	13	.00	4	0	.0	.00	.000	.0	.000
SEP 12...	0	0	0	20	.00	1	0	.0	.00	.000	.0	.000

MISSISSIPPI RIVER DELTA

07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	UDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
NOV 21...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	--
JAN 23...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 16...	.001	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY 23...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN 20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
17...	--	--	--	--	--	--	--	--	--	.000	--	--
AUG 30...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
SEP 12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV 21...	.00	.00	.00	--	0.0	.00	.00	.00	.01	.16	--	--
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.86	.00	.00	1.28	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	4.90	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	17.5	3.25
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.20	46.9	.000
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.15	.01	.40	50.5	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.00	.24	.29	82.3	.720
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.00	.13	.19	99.4	.000
17...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	14.5	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	3.9	.07	.10	29.4	.000

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WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 21...	26	.0	7	1.7	.0	.0	.0	.2	.0	.0

[illegible]

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

LOCATION.--Lat 30°58'57", long 91°47'54", in NE¼SW¼ sec.7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, near right bank on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi (0.6 km) east of town of Simmesport, 0.5 mi (0.8 km) upstream from State Highway 1, and 4.9 mi (7.9 km) downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi² or 226,810 km² (see REMARKS).

PERIOD OF RECORD.--October 1972 to September 1977. Gage heights, May 1, 1887, to May 15, 1892, and Dec. 1, 1903, to current year, and discharge (intermittently since 1851) are contained in reports of Corps of Engineers, New Orleans district.

REVISED RECORDS.--WDR LA 77-2: 1975.

GAGE.--Water-stage recorder. Datum of gage is 5.73 ft (1.747 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Flow consists of that from the Red River and controlled diversion from the Mississippi River by way of Old River Control Structure. Drainage area does not include non-contributing area or Mississippi River area.

COOPERATION.--Computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--5 years, 267,200 ft³/s (7,570 m³/s), 193,557,000 acre-ft/yr (239 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 781,000 ft³/s or 22,100 m³/s (observed) May 12, 1973; maximum gage height, 49.05 ft (14.950 m) May 15, 1973; minimum daily, 22,000 ft³/s (623 m³/s) Oct. 4, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1903, 53.4 ft (16.28 m), May 16, 1927.

EXTREMES FOR CURRENT YEAR.--Water year 1977: Maximum discharge, 359,000 ft³/s or 10,200 m³/s (observed) Apr. 22, gage height, 30.43 ft (9.275 m); minimum daily, 22,000 ft³/s (623 m³/s) Oct. 4.

RECORDS FOR THE 1978 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 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28000	64000	54000	90000	101000	129000	257000	229000	111000	76000	75000	107000
2	27000	69000	57000	83000	97000	124000	271000	226000	115000	88000	85000	106000
3	23000	71000	56000	81000	97000	125000	281000	223000	118000	102000	78000	105000
4	22000	85000	59000	80000	100000	169000	289000	216000	119000	117000	78000	103000
5	24000	90000	62000	80000	97000	199000	295000	213000	116000	130000	73000	104000
6	25000	96000	63000	76000	92000	218000	301000	207000	115000	141000	75000	98000
7	30000	94000	69000	76000	87000	249000	313000	207000	114000	143000	72000	99000
8	33000	91000	68000	78000	83000	274000	315000	205000	109000	135000	60000	89000
9	42000	110000	71000	88000	81000	274000	315000	200000	101000	137000	54000	88000
10	44000	112000	69000	99000	80000	276000	315000	195000	100000	142000	54000	88000
11	42000	111000	67000	114000	80000	279000	314000	188000	97000	146000	55000	87000
12	42000	106000	66000	115000	83000	293000	314000	178000	92000	140000	55000	88000
13	38000	105000	65000	114000	88000	301000	311000	168000	89000	133000	51000	95000
14	39000	106000	67000	124000	97000	303000	311000	170000	93000	132000	48000	104000
15	40000	104000	72000	127000	101000	303000	313000	171000	92000	132000	43000	111000
16	41000	102000	79000	127000	98000	302000	316000	173000	87000	129000	39000	109000
17	27000	91000	106000	125000	98000	319000	320000	180000	83000	122000	48000	112000
18	33000	82000	119000	121000	100000	329000	329000	180000	79000	114000	61000	113000
19	44000	78000	128000	116000	100000	313000	344000	176000	77000	109000	77000	111000
20	63000	75000	132000	113000	97000	306000	345000	170000	76000	103000	87000	109000
21	85000	73000	125000	106000	96000	305000	356000	167000	80000	99000	101000	108000
22	103000	69000	122000	104000	97000	299000	359000	162000	81000	93000	111000	109000
23	118000	66000	116000	104000	100000	296000	349000	154000	80000	92000	121000	116000
24	124000	64000	115000	104000	117000	293000	338000	139000	76000	92000	124000	123000
25	125000	66000	115000	103000	126000	290000	319000	130000	70000	91000	128000	133000
26	119000	66000	115000	110000	130000	281000	298000	120000	68000	88000	129000	144000
27	107000	64000	114000	111000	133000	271000	280000	122000	69000	83000	135000	150000
28	66000	63000	111000	113000	132000	263000	264000	120000	71000	79000	135000	153000
29	64000	58000	103000	111000	---	255000	247000	119000	70000	76000	128000	152000
30	73000	52000	96000	109000	---	243000	233000	124000	72000	77000	118000	155000
31	66000	---	95000	104000	---	241000	---	117000	---	83000	113000	---
TOTAL	1757000	2483000	2756000	3206000	2788000	8122000	9212000	5349000	2720000	3424000	2611000	3369000
MEAN	56680	82770	88900	103400	99570	262000	307100	172500	90670	110500	84230	112300
MAX	125000	112000	132000	127000	133000	329000	359000	229000	119000	146000	135000	155000
MIN	22000	52000	54000	76000	80000	124000	233000	117000	68000	76000	39000	87000
AC-FT	3485000	4925000	5467000	6359000	5530000	16110000	18270000	10610000	5395000	6792000	5179000	6682000
CAL YR 1976	TOTAL	59940000	MEAN	163800	MAX	423000	MIN	22000	AC-FT	118900000		
WTR YR 1977	TOTAL	47797000	MEAN	131000	MAX	359000	MIN	22000	AC-FT	94810000		

MISSISSIPPI RIVER DELTA

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07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.29	5.10	3.27	6.78	7.61	9.64	22.07	20.32	8.92	5.36	4.93	9.32
2	1.65	5.75	3.43	5.98	7.27	9.28	23.39	19.83	8.95	6.65	5.87	8.71
3	1.46	5.79	3.37	5.62	7.09	9.11	23.78	18.86	9.09	7.62	6.04	8.55
4	1.54	6.20	3.50	5.65	7.40	12.09	24.15	18.31	9.07	8.80	5.74	8.21
5	1.72	6.81	3.80	5.56	7.34	16.20	24.35	18.05	8.81	9.92	5.88	8.28
6	1.85	7.02	3.90	5.40	6.96	16.72	24.59	17.64	8.47	10.85	5.62	8.59
7	1.78	7.53	4.29	5.26	6.46	19.92	25.85	17.05	8.31	11.59	5.52	7.93
8	1.78	7.81	4.36	5.20	5.99	22.14	26.21	17.07	8.11	11.49	5.13	7.48
9	1.44	8.23	4.82	5.52	5.64	23.43	26.16	16.45	7.14	11.45	4.32	6.83
10	2.04	8.34	4.95	7.04	5.44	23.14	26.10	15.84	7.10	11.65	3.86	6.86
11	2.16	8.92	5.37	7.95	5.29	23.44	25.99	15.58	7.21	11.84	3.50	6.75
12	2.30	8.27	5.09	8.43	5.40	24.33	25.91	14.98	6.75	11.71	3.70	6.72
13	2.50	7.79	4.97	7.96	5.53	24.68	25.77	14.42	6.34	10.99	3.35	7.13
14	2.39	7.82	5.52	8.61	6.06	25.12	26.10	14.16	6.78	10.57	3.16	8.18
15	2.25	7.44	5.57	9.43	6.58	24.26	26.48	14.42	6.99	10.52	2.95	8.93
16	2.32	7.12	6.00	9.71	6.23	24.53	26.63	14.34	6.52	10.19	2.52	9.15
17	1.22	6.59	7.33	9.79	6.44	24.43	26.72	14.90	6.03	9.58	2.93	9.30
18	1.30	6.00	6.56	10.10	6.86	26.43	26.80	14.89	5.54	8.96	3.48	9.49
19	2.38	5.65	9.43	9.27	7.21	24.85	28.30	14.64	5.24	8.49	4.76	9.42
20	2.49	5.36	10.12	9.22	7.27	24.60	28.44	14.13	5.11	8.14	5.90	9.23
21	4.86	5.19	9.29	8.30	7.33	25.03	29.56	13.47	5.35	8.12	6.98	9.05
22	6.25	4.82	9.39	7.85	7.45	24.89	30.36	13.30	5.58	7.77	8.19	8.83
23	7.67	4.39	9.45	7.73	7.90	24.69	30.43	12.53	5.53	7.48	9.42	9.12
24	8.35	4.06	9.27	7.67	8.67	24.53	30.28	11.39	5.03	7.33	10.30	9.94
25	8.72	4.13	9.15	7.30	8.85	24.30	29.99	10.52	4.44	7.10	10.86	10.97
26	8.26	3.86	9.13	7.90	9.03	23.89	28.08	9.00	4.21	6.94	11.22	11.91
27	7.50	4.18	9.00	7.92	10.08	22.92	26.50	9.52	4.28	6.58	11.15	12.53
28	4.38	3.84	8.70	7.86	9.91	22.45	25.00	9.53	4.62	6.07	11.23	12.96
29	5.05	3.50	8.10	8.08	---	21.79	23.54	9.28	4.75	5.75	11.02	12.77
30	6.51	3.08	7.39	8.01	---	21.45	21.41	9.91	4.92	5.57	9.86	12.87
31	5.37	---	7.18	7.72	---	20.96	---	9.79	---	5.58	9.53	---
MEAN	3.57	6.02	6.51	7.57	7.12	21.46	26.30	14.33	6.51	8.73	6.42	9.20
MAX	8.72	8.92	10.12	10.10	10.08	26.43	30.43	20.32	9.09	11.84	11.23	12.96
MIN	1.22	3.08	3.27	5.20	5.29	9.11	21.41	9.00	4.21	5.36	2.52	6.72

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952-53, 1973 to current year.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: October 1974 to September 1975.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to current year.

CHLORIDE: October 1974 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1977.

COOPERATION.--Samples for chloride analysis and 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.--

SPECIFIC CONDUCTANCE: Maximum daily, 518 micromhos Nov. 16, 1974; minimum daily 226 micromhos Feb. 25, 1975.

WATER TEMPERATURES: Maximum daily, 30.5°C July 13, 1978; minimum daily, 2.0°C Jan. 18, 19, 20, Feb. 3, 6, 7, 1978.

CHLORIDE: Maximum daily, 150 mg/L June 9, 13, 14, 1977; minimum daily, 10 mg/L Apr. 16, 17, 1975.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,203,000 tons (1,090,000 tonnes) Feb. 7, 1975; minimum daily, 2,000 tons (1,800 tonnes) Oct. 3, 4, 5, 1976.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

[illegible]

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DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

[illegible]

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
07...	204	75000	88
15...	134	34000	97
21...	240	77000	91
29...	327	165000	81
NOV			
04...	215	97000	87
11...	151	51000	92
21...	108	33000	85
24...	150	51000	86
DEC			
03...	179	70000	86
12...	354	189000	84
16...	246	111000	88
22...	171	65000	91
30...	225	111000	84
JAN			
06...	295	175000	77
16...	417	313000	75
27...	292	170000	78
FEB			
03...	238	133000	86
10...	240	142000	75
18...	231	99000	91
24...	394	245000	82
MAR			
02...	539	484000	75
09...	419	400000	68
16...	714	813000	80
23...	352	364000	84
30...	325	314000	76
APR			
06...	353	364000	79
13...	251	230000	83
20...	278	167000	88
27...	309	178000	94
JUN			
29...	378	144000	97
JUL			
07...	475	241000	96
13...	323	175000	97
21...	281	114000	98
27...	191	65000	98
AUG			
03...	160	40000	98
10...	125	28000	100
18...	87	15000	96
24...	115	19000	98
SEP			
01...	103	15000	100
07...	82	10000	100
14...	77	8900	98
24...	75	6300	97
28...	36	2900	97

MISSISSIPPI RIVER DELTA

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07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
15...	95	10000	93
27...	187	54000	91
NOV			
02...	140	26000	88
09...	184	55000	91
16...	115	32000	97
23...	98	17000	100
30...	85	12000	100
DEC			
07...	79	15000	91
15...	149	29000	97
21...	371	125000	95
28...	236	71000	93
JAN			
04...	128	28000	93
11...	504	155000	92
21...	482	138000	89
25...	396	110000	93
FEB			
01...	204	56000	86
08...	233	52000	96
15...	603	164000	96
25...	681	231000	90
MAR			
01...	426	148000	91
08...	906	669000	87
18...	664	589000	85
22...	717	578000	86
29...	330	227000	82
APR			
05...	1380	1090000	94
12...	780	660000	87
19...	505	468000	76
25...	499	429000	88
MAY			
03...	563	338000	89
20...	272	125000	90
24...	266	100000	88
JUN			
01...	373	112000	96
07...	458	141000	98
14...	412	103000	99
21...	263	57000	96
28...	242	46000	91
JUL			
06...	400	152000	91
12...	292	110000	92
19...	277	81000	91
26...	185	44000	91
AUG			
02...	212	49000	96
09...	78	11000	100
16...	84	8800	68
23...	322	105000	96
30...	204	65000	95
SEP			
07...	138	37000	97
13...	129	33000	97
20...	449	132000	98

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56000	132000	69000	109000	139000	414000	348000	163000	162000	191000	41000	15000
2	58000	122000	69000	111000	136000	484000	359000	165000	165000	201000	40000	15000
3	57000	109000	70000	120000	133000	469000	361000	163000	163000	208000	40000	14000
4	61000	97000	72000	133000	132000	446000	362000	158000	138000	214000	46000	16000
5	66000	85000	73000	151000	133000	421000	364000	166000	132000	221000	49000	15000
6	73000	71000	76000	175000	138000	410000	364000	203000	142000	234000	45000	15000
7	75000	58000	79000	200000	140000	401000	346000	218000	148000	241000	39000	10000
8	69000	63000	84000	224000	140000	394000	331000	210000	151000	199000	34000	12000
9	62000	62000	93000	241000	142000	400000	316000	210000	161000	177000	30000	13000
10	53000	58000	113000	256000	142000	458000	294000	211000	175000	191000	28000	17000
11	48000	51000	144000	271000	144000	449000	274000	208000	190000	194000	30000	14000
12	43000	40000	189000	282000	142000	453000	251000	196000	193000	188000	29000	13000
13	38000	36000	187000	294000	136000	550000	230000	194000	193000	175000	28000	12000
14	36000	38000	170000	305000	128000	645000	211000	194000	187000	163000	24000	9000
15	34000	37000	142000	310000	120000	726000	198000	203000	175000	154000	21000	8000
16	39000	35000	111000	313000	113000	813000	200000	205000	167000	145000	18000	7000
17	63000	33000	102000	302000	105000	746000	198000	205000	163000	140000	16000	6000
18	76000	32000	92000	290000	99000	667000	189000	194000	153000	137000	15000	5000
19	80000	33000	87000	273000	102000	594000	178000	177000	144000	134000	14000	7000
20	80000	33000	78000	253000	109000	526000	167000	173000	136000	124000	12000	7000
21	77000	33000	71000	220000	128000	464000	156000	192000	126000	114000	15000	7000
22	71000	36000	65000	191000	158000	410000	145000	188000	107000	107000	16000	7000
23	67000	42000	69000	168000	197000	364000	139000	181000	102000	96000	16000	8000
24	67000	51000	73000	157000	245000	348000	135000	174000	101000	87000	19000	6000
25	82000	57000	82000	155000	280000	339000	139000	167000	104000	79000	19000	6000
26	101000	63000	95000	165000	312000	326000	155000	171000	108000	73000	23000	5000
27	128000	67000	101000	170000	343000	317000	178000	174000	115000	65000	23000	5000
28	152000	69000	105000	166000	365000	313000	194000	175000	126000	60000	21000	3000
29	165000	70000	109000	160000	382000	308000	183000	175000	144000	53000	18000	4000
30	156000	70000	111000	153000	---	314000	172000	173000	175000	48000	18000	3000
31	141000	---	111000	144000	---	336000	---	168000	---	43000	15000	---
MONTH	76600	59400	99700	208500	171800	461500	237900	185600	148200	143700	25900	9470

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3000	22000	12000	39000	56000	148000	397000	315000	112000	48000	36000	50000
2	3000	26000	13000	32000	54000	135000	532000	327000	124000	64000	49000	48000
3	2000	27000	12000	29000	56000	143000	688000	339000	135000	84000	38000	46000
4	2000	38000	12000	28000	63000	253000	875000	309000	141000	109000	35000	43000
5	2000	41000	13000	32000	62000	353000	1100000	292000	138000	132000	28000	43000
6	3000	45000	13000	33000	59000	423000	1040000	268000	139000	152000	28000	37000
7	4000	42000	15000	38000	55000	553000	1030000	262000	141000	149000	24000	37000
8	5000	38000	15000	46000	52000	669000	956000	250000	130000	125000	15000	29000
9	9000	55000	18000	68000	55000	636000	873000	232000	113000	123000	11000	29000
10	10000	54000	18000	100000	60000	614000	797000	214000	113000	126000	12000	28000
11	10000	50000	19000	155000	66000	596000	723000	163000	107000	127000	13000	28000
12	10000	43000	19000	158000	79000	628000	660000	168000	98000	110000	14000	28000
13	9000	40000	20000	156000	100000	631000	600000	145000	93000	102000	13000	33000
14	9000	38000	23000	187000	136000	608000	556000	145000	103000	104000	12000	47000
15	10000	35000	29000	197000	164000	578000	522000	143000	97000	107000	10000	63000
16	10000	32000	37000	198000	152000	545000	493000	143000	83000	105000	9000	71000
17	4000	26000	72000	192000	151000	581000	469000	152000	72000	97000	14000	87000
18	6000	22000	97000	180000	155000	589000	461000	148000	62000	87000	23000	104000
19	6000	21000	119000	165000	153000	555000	468000	138000	57000	81000	38000	117000
20	22000	20000	133000	157000	142000	554000	477000	125000	53000	71000	50000	132000
21	41000	20000	125000	138000	137000	576000	515000	126000	57000	63000	70000	122000
22	59000	18000	114000	127000	139000	578000	531000	124000	59000	54000	86000	118000
23	76000	17000	98000	122000	146000	519000	506000	118000	57000	52000	105000	127000
24	81000	17000	91000	117000	201000	467000	479000	100000	52000	51000	104000	136000
25	80000	18000	87000	110000	231000	419000	429000	93000	44000	48000	105000	151000
26	70000	18000	83000	115000	218000	360000	397000	85000	41000	44000	100000	168000
27	54000	17000	78000	107000	202000	306000	371000	94000	43000	40000	103000	173000
28	20000	17000	71000	101000	176000	264000	350000	98000	46000	37000	97000	171000
29	20000	15000	58000	89000	---	227000	325000	104000	43000	35000	82000	159000
30	27000	12000	48000	78000	---	246000	306000	122000	44000	37000	65000	157000
31	30000	---	46000	65000	---	290000	---	116000	---	44000	58000	---
MONTH	22500	29500	51900	108400	118600	453000	597500	177000	86600	84100	46700	86100
YEAR	MAX	1100000	MIN	2000	MEAN	155000						

MISSISSIPPI RIVER DELTA

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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 sec.26, T.4 S., R.7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080102, at bridge on Texas & Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi² (241,688 km²).

PERIOD OF RECORD.--April 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
APR 11...	1400	304	7.5	13.5	30	70	8.7	--	1.7	--
MAY 05...	1120	360	7.7	16.0	25	150	9.0	--	2.2	--
JUN 02...	1145	317	7.6	24.0	40	65	6.4	21	1.7	--
JUL 14...	0830	503	7.7	31.0	20	80	6.4	--	1.3	K1400
AUG 25...	1300	423	7.8	30.0	15	30	7.3	20	.3	K180
SEP 22...	1130	452	6.6	28.5	15	30	8.0	--	1.1	K180

DATE	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)	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)
APR 11...	--	1200	120	40	33	8.9	12	17	.5	3.6
MAY 05...	K150	330	150	44	42	11	14	16	.5	3.8
JUN 02...	K180	--	120	38	33	10	13	18	.5	2.9
JUL 14...	<5	--	180	59	46	15	30	26	1.0	3.9
AUG 25...	K100	--	160	49	46	12	23	23	.8	3.4
SEP 22...	K32	--	170	54	46	13	33	29	1.1	3.6

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 DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
APR 11...	96	0	79	38	20	.1	6.6	176	170	--
MAY 05...	129	0	106	41	22	.1	7.3	196	205	--
JUN 02...	104	0	85	37	17	--	--	--	--	106
JUL 14...	144	0	120	63	36	--	--	--	--	156
AUG 25...	140	0	115	61	24	.2	--	--	--	34
SEP 22...	140	0	110	62	36	.2	--	--	--	74

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC 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 NU3)	PHOS- PHORUS, TOTAL (MG/L AS P)
APR 11...	<1.0	12	--	2.1	.67	--	2.8	12	.25
MAY 05...	<1.0	16	--	2.0	1.5	--	3.5	15	.35
JUN 02...	<1.0	1.4	.02	1.4	--	6.0	--	--	.18
JUL 14...	<1.0	--	--	--	--	--	--	--	.17
AUG 25...	<1.0	.74	.00	.74	--	.59	--	--	.07
SEP 22...	<1.0	--	--	--	--	--	--	--	--

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 BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	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 CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
APR 11...	--	--	3	--	--	--	--	--	--	0
JUN 02...	3	2	1	--	0	0	0	2	0	2
JUL 14...	4	2	2	4	1	0	1	7	5	2
AUG 25...	3	0	3	--	0	0	0	1	0	1
SEP 22...	3	1	2	--	0	0	0	1	0	1

DATE	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	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)
APR 11...	--	--	--	0	--	--	5	--	30	--
JUN 02...	--	5	--	0	18	6	12	--	70	--
JUL 14...	0	10	2	0	20	9	11	0	10	330000
AUG 25...	--	10	--	0	9	0	9	--	50	--
SEP 22...	--	0	--	0	7	3	4	--	60	--

DATE	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, 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)
APR 11...	--	--	9	--	0	--	.0	--	--	--
JUN 02...	6	1	5	--	--	--	.0	.0	.0	--
JUL 14...	15	13	2	0	--	100	.1	.1	.0	.0
AUG 25...	6	4	2	--	--	--	.0	.0	.0	--
SEP 22...	10	10	0	--	--	--	.5	.5	.0	--

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

MISSISSIPPI RIVER DELTA

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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D 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 D RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
APR 11...	--	--	--	--	--	--	--	--	--	10
JUN 02...	10	9	1	0	0	0	.0	50	20	30
JUL 14...	14	10	4	1	0	1	.0	90	70	20
AUG 25...	4	0	4	--	1	1	1.4	20	0	20
SEP 22...	8	4	4	1	0	1	.9	50	40	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)
APR 11...	6.9	--	--	--	.0	--	.00	.00	--	.0
JUN 02...	6.2	.00	2	0	.0	--	.00	.000	--	.0
JUL 14...	--	.00	3	0	2.0	2	.00	.000	.0	.0
AUG 25...	4.4	.00	1	0	.0	--	.00	.000	--	.0
SEP 22...	16	--	1	--	.0	--	.00	.000	--	.0

DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDU, 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)
APR 11...	--	.00	--	.00	--	.00	--	.01	--	.00
JUN 02...	--	.000	--	.000	--	.000	--	.00	--	.003
JUL 14...	1	.000	1.0	.000	.3	.000	.5	.01	.0	.000
AUG 25...	--	.001	--	.000	--	.002	--	.00	--	.004
SEP 22...	--	.000	--	.000	--	.004	--	.02	--	.003

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
APR 11...	--	--	.00	--	.00	--	.00	--	.00	--
JUN 02...	--	.000	.001	--	.00	--	.000	--	.000	--
JUL 14...	.2	.000	.000	.1	.00	.0	.000	.0	.000	.0
AUG 25...	--	.001	.000	--	.00	--	.000	--	.001	--
SEP 22...	--	--	.001	--	.00	--	.000	--	.000	--

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	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)
APR 11...	.00	--	.00	--	--	.00	--	.00	--	.00
JUN 02...	.002	--	.00	--	.00	.00	--	.00	--	.00
JUL 14...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00
AUG 25...	.000	--	.00	--	.00	.00	--	.00	--	.00
SEP 22...	.000	--	.00	--	.00	.00	--	.00	--	.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)	TOTAL 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)
APR 11...	.00	--	--	0.0	--	.00	--	.03	.01	.01
JUN 02...	.00	--	.00	0.0	--	.00	--	.03	.03	.01
JUL 14...	.20	.0	.00	1.0	0	.00	.0	.00	.01	.00
AUG 25...	.00	--	.00	0.0	--	.00	--	.02	.02	.00
SEP 22...	.00	--	.00	0.0	--	.00	--	.03	.03	.00

MISSISSIPPI RIVER DELTA

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303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) east of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	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, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 14...	1015	508	8.0	40	20	6.8	36	6.3	480	21	200	0
NOV 18...	0915	198	7.5	100	50	5.6	68	2.7	--	250	42	0
DEC 22...	1010	109	7.3	80	60	8.1	44	3.0	1400	130	41	0
JAN 27...	0910	86	7.1	100	85	8.6	39	1.8	K1800	800	32	0
FEB 28...	0900	192	7.1	110	80	8.1	5	2.4	--	K210	73	6
MAR 24...	0840	407	7.5	30	20	7.5	25	5.5	4000	K1500	160	13
MAY 08...	0820	321	7.5	50	15	--	52	6.2	9800	K1200	130	10
JUN 02...	0810	290	7.4	40	9	4.6	36	1.0	8200	7400	120	0
JUN 30...	0845	311	7.2	40	20	4.0	28	3.3	420	<5	130	14
JUL 28...	0800	724	7.9	20	15	4.5	40	2.7	K100	K64	240	11
AUG 31...	0800	235	7.2	50	50	4.0	39	4.9	10000	1200	78	0
SEP 29...	0903	421	7.2	20	20	3.5	25	3.0	--	--	150	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)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 14...	51	17	--	--	--	--	255	0	209	4.1	13	30
NOV 18...	4.9	7.3	--	--	--	--	92	0	75	4.7	8.8	9.9
DEC 22...	9.8	3.9	4.2	17	.3	3.0	52	0	43	4.2	5.0	5.5
JAN 27...	8.0	3.0	3.0	16	.2	2.5	39	0	32	5.0	4.8	4.0
FEB 28...	18	6.8	8.7	20	.4	2.4	82	0	67	10	9.7	12
MAR 24...	39	15	21	22	.7	2.7	178	0	146	9.0	19	24
MAY 08...	33	12	14	18	.5	3.7	148	0	121	7.5	12	18
JUN 02...	29	11	13	19	.5	4.5	147	0	121	9.4	15	13
JUN 30...	32	11	14	19	.5	3.6	135	0	110	14	14	18
JUL 28...	58	24	58	34	1.6	5.0	284	0	230	5.7	22	83
AUG 31...	19	7.5	16	30	.8	3.0	97	0	80	9.8	10	22
SEP 29...	38	13	24	25	.9	4.3	183	0	150	18	17	25

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

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

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)
OCT 14...	29	<1.0	.16	.03	.19	.54	.18	4	1	3	10	10
NOV 18...	21	<1.0	.21	.03	.24	.97	.33	4	1	3	0	0
DEC 22...	35	<1.0	.10	.04	.14	.85	.41	3	1	2	0	0
JAN 27...	108	<1.0	.14	.04	.18	.41	.28	3	1	2	0	0
FEB 28...	316	<1.0	.20	.05	.25	.47	.31	5	3	2	0	0
MAR 24...	34	<1.0	.20	.02	.22	.63	.14	2	0	2	20	20
MAY 08...	22	<1.0	.39	.01	.40	.92	.29	6	3	3	10	10
JUN 02...	22	<1.0	.02	.01	.03	2.0	.31	7	4	3	5	5
30...	22	<1.0	.22	.01	.23	.88	.20	5	1	4	10	10
JUL 28...	18	<1.0	.05	.00	.05	.71	.20	6	0	6	1	0
AUG 31...	78	<1.0	.20	.05	.25	.72	.28	5	1	4	0	0
SEP 29...	25	--	.20	.08	.28	1.4	.14	3	1	2	0	0

DATE	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)	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- PENDE 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- PENDE RECOV- ERABLE (UG/L AS PB)
OCT 14...	0	<10	<10	0	4	0	4	0	4	30	<100	<99
NOV 18...	0	0	0	0	0	0	4	2	2	90	1	1
DEC 22...	0	1	0	1	10	0	13	1	12	120	5	4
JAN 27...	0	0	0	1	10	0	11	5	6	110	5	5
FEB 28...	0	0	0	0	20	0	16	10	6	50	14	11
MAR 24...	0	1	1	0	10	0	8	0	8	70	3	3
MAY 08...	0	1	1	0	10	0	10	3	7	60	4	4
JUN 02...	0	2	0	2	10	0	6	2	4	50	1	1
30...	0	2	1	1	20	0	7	3	4	40	7	3
JUL 28...	1	1	0	1	0	0	5	2	3	10	8	5
AUG 31...	0	0	0	0	0	0	9	2	7	60	6	6
SEP 29...	0	1	0	1	0	0	5	1	4	50	4	3

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

MISSISSIPPI RIVER DELTA

185

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 14...	1	.0	.0	.0	<50	<49	1	0	0	0	1.7
NOV 18...	0	.0	.0	.0	7	7	0	0	0	0	.8
DEC 22...	1	.1	.1	.0	9	7	2	0	0	0	1.1
JAN 27...	0	.0	.0	.0	9	9	0	0	0	0	2.0
FEB 28...	3	.0	.0	.0	12	7	5	1	0	1	3.0
MAR 24...	0	.0	.0	.0	3	3	0	0	0	0	.0
MAY 08...	0	.2	.2	.0	2	0	2	0	0	0	1.0
JUN 02...	0	.0	.0	.0	2	2	0	0	0	0	.0
JUN 30...	4	.1	.1	.0	7	3	4	0	0	0	.0
JUL 28...	3	.1	.1	.0	4	4	0	0	0	0	.0
AUG 31...	0	.0	.0	.0	3	3	0	0	0	0	10
SEP 29...	1	.1	.1	.0	3	1	2	1	0	1	.0

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 14...	20	10	10	7.6	.00	4	0	.0	.00	.000	.1	.002
NOV 18...	30	10	20	10	.00	3	0	.0	.00	.001	.0	.004
DEC 22...	40	10	30	10	.00	2	0	.0	.00	.000	.0	.000
JAN 27...	30	20	10	8.9	.00	4	0	.0	.00	.000	.0	.000
FEB 28...	60	50	10	12	.00	0	0	.0	.00	.000	.0	.000
MAR 24...	30	20	10	8.3	.00	1	0	.0	.00	.000	.0	.000
MAY 08...	140	80	60	12	.00	1	0	.0	.00	.000	.0	.004
JUN 02...	30	10	20	14	.00	0	0	.0	.00	.000	.0	.000
JUN 30...	80	50	30	11	.00	3	0	.0	.00	.000	.0	.002
JUL 28...	80	50	30	7.4	.00	1	0	.0	.00	.000	.0	.000
AUG 31...	20	10	10	6.9	.00	2	0	.0	.00	.000	.0	.002
SEP 29...	70	10	60	2.5	.00	3	0	.0	.00	.000	.0	.004

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

MISSISSIPPI RIVER DELTA

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 14...	.000	.004	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 18...	.010	.000	.01	.000	.000	.002	.00	.000	.000	.001	.00	.00
DEC 22...	.005	.010	.00	.003	.004	.002	.00	.000	.000	.000	.00	.00
JAN 27...	.011	.018	.00	.000	.000	.001	.00	.000	.000	.000	.00	.00
FEB 28...	.081	.100	.01	.000	.000	.020	.00	.000	.000	.000	.00	.00
MAR 24...	.013	.017	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY 08...	.004	.005	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN 02...	.001	.002	.00	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUN 30...	.000	.001	.00	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUL 28...	.008	.000	.00	.000	.003	.000	.00	.000	.000	.001	.00	.00
AUG 31...	.005	.001	.01	.000	.000	.000	.00	.000	.001	.002	.00	.00
SEP 29...	.009	.003	.01	.000	.000	.000	.00	.000	.000	.003	.00	.00
DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 14...	.00	.00	.00	.00	0.0	.00	.00	.12	.01	.00	37.0	18.7
NOV 18...	.00	.00	.00	.00	0.0	.00	.00	.26	.01	.00	2.60	.000
DEC 22...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	1.25	.000
JAN 27...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.00	.000	.000
FEB 28...	.00	.00	.00	.00	0.0	.00	.00	.52	.01	.00	.830	.000
MAR 24...	.00	.00	.00	.00	0.0	.00	.00	.44	.01	.00	17.1	.000
MAY 08...	.00	.00	.00	.00	0.0	.00	.00	.32	.01	.02	48.0	.000
JUN 02...	.00	.00	.00	.00	0.0	.00	.00	.10	.00	.00	15.3	1.74
JUN 30...	.00	.00	.00	.00	0.0	.00	.00	.39	.07	.00	32.9	3.31
JUL 28...	.00	.00	.00	.00	0.0	.00	.00	.21	.03	.00	31.5	2.22
AUG 31...	.01	.00	.00	.00	0.0	.00	.00	.13	.23	.00	2.60	.000
SEP 29...	.12	.00	.00	.00	0.0	.00	.00	.28	.03	.01	8.18	.000

MISSISSIPPI RIVER DELTA

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303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080102, 6.0 mi (9.7 km) east of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 14...	1000	546	8.0	30	30	6.9	18	4.1	--	75	210	0
NOV 18...	0850	200	7.6	90	45	6.0	70	3.4	11000	K550	78	14
DEC 22...	1030	109	7.3	80	60	7.4	40	6.0	1000	140	44	1
JAN 27...	0845	85	7.1	100	85	8.8	20	2.1	6400	980	36	6
FEB 28...	0835	191	7.3	110	85	8.1	6	2.6	K2400	K260	73	4
MAR 24...	0815	399	7.7	20	20	7.8	21	3.8	K1800	K300	160	3
MAY 08...	0845	534	7.9	30	30	5.4	4	3.6	11000	180	210	0
JUN 02...	0830	291	7.3	50	10	4.7	41	1.3	11000	8600	118	0
JUN 30...	0835	351	7.4	20	15	6.7	26	5.1	K3600	K50	140	10
JUL 28...	0820	636	7.9	20	20	4.0	37	2.1	K120	92	230	2
AUG 31...	0820	243	7.3	40	60	3.7	140	2.4	16000	720	82	0
SEP 29...	0832	430	7.4	30	25	3.8	36	2.1	--	--	160	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)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 14...	54	18	--	--	--	--	275	0	226	4.4	14	34
NOV 18...	19	7.5	--	--	--	--	79	0	65	3.2	9.4	18
DEC 22...	11	4.0	4.5	17	.3	3.2	52	0	43	4.2	4.8	6.5
JAN 27...	9.2	3.1	3.2	15	.2	2.4	36	0	30	4.6	10	4.3
FEB 28...	18	6.9	8.3	19	.4	2.1	84	0	69	6.7	11	13
MAR 24...	38	15	21	22	.7	3.3	191	0	157	6.1	16	24
MAY 08...	52	20	29	23	.9	3.8	260	0	213	5.2	19	37
JUN 02...	30	10	12	18	.5	4.2	148	0	121	12	5.8	13
JUN 30...	35	13	17	20	.6	3.8	160	0	130	10	14	22
JUL 28...	57	22	42	28	1.2	4.2	282	0	230	5.7	17	54
AUG 31...	20	7.7	18	32	.9	2.8	102	0	84	8.2	8.3	21
SEP 29...	42	14	25	24	.9	4.5	198	0	160	13	20	27

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

MISSISSIPPI RIVER DELTA

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	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)
OCT 14...	28	<1.0	.21	.02	.23	.57	.15	3	0	3	10	10
NOV 18...	26	<1.0	.26	.03	.29	1.4	.32	4	1	3	0	0
DEC 22...	55	<1.0	.10	.04	.14	2.8	.34	3	1	2	0	0
JAN 27...	100	<1.0	.12	.04	.16	.49	.29	3	2	1	0	0
FEB 28...	336	<1.0	.19	.05	.24	.72	.41	5	3	2	0	0
MAR 24...	31	<1.0	.18	.02	.20	.62	.12	1	0	1	10	10
MAY 08...	56	<1.0	.07	.02	.09	.76	.14	4	2	2	0	0
JUN 02...	16	<1.0	.02	.01	.03	.85	.32	7	4	3	0	0
30...	13	<1.0	.10	.01	.11	.71	.12	5	1	4	10	0
JUL 28...	34	<1.0	.01	.01	.02	.81	.19	7	1	6	1	0
AUG 31...	79	<1.0	.18	.05	.23	.61	.27	5	1	4	0	0
SEP 29...	28	<1.0	.21	.06	.27	1.2	.13	3	1	2	0	0

DATE	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, 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)
OCT 14...	0	<10	<10	0	8	0	10	8	2	20	<100	<99
NOV 18...	0	2	1	1	0	0	6	0	6	90	2	2
DEC 22...	0	1	0	1	0	0	9	0	9	190	3	2
JAN 27...	0	1	0	1	0	0	9	6	3	120	5	5
FEB 28...	0	0	0	0	20	0	16	12	4	40	10	7
MAR 24...	0	1	1	0	0	0	6	0	6	70	0	0
MAY 08...	0	1	1	0	0	0	16	3	13	30	4	4
JUN 02...	0	2	0	2	5	0	5	2	3	50	1	1
30...	10	2	0	2	0	0	6	2	4	30	4	0
JUL 28...	1	1	0	1	10	0	3	1	2	10	8	8
AUG 31...	0	0	0	0	0	0	7	7	0	70	4	4
SEP 29...	0	1	0	1	0	0	8	0	8	30	8	7

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

MISSISSIPPI RIVER DELTA

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303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 14...	1	.0	.0	.0	<50	<49	1	0	0	0	1.6
NOV 18...	0	.0	.0	.0	8	7	1	0	0	0	--
DEC 22...	1	.1	.1	.0	9	6	3	0	0	0	1.2
JAN 27...	0	.0	.0	.0	9	7	2	0	0	0	2.0
FEB 28...	3	.0	.0	.0	12	8	4	0	0	0	2.0
MAR 24...	0	.0	.0	.0	3	1	2	0	0	0	.0
MAY 08...	0	.2	.2	.0	12	4	8	0	0	0	2.0
JUN 02...	0	.0	.0	.0	3	3	0	0	0	0	.0
JUN 30...	4	.1	.1	.0	7	3	4	0	0	0	.0
JUL 28...	0	.0	.0	.0	4	4	0	0	0	0	.0
AUG 31...	0	.0	.0	.0	4	4	0	0	0	0	8.4
SEP 29...	1	.1	.1	.0	3	0	3	1	0	1	.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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 14...	20	10	10	6.5	.00	4	0	.0	.00	.000	.0	.003
NOV 18...	20	20	2	10	.00	3	0	.0	.00	.000	.0	.001
DEC 22...	20	0	20	9.2	.00	3	0	.0	.00	.000	.0	.000
JAN 27...	30	20	10	9.4	.00	4	0	.0	.00	.000	.0	.000
FEB 28...	50	20	30	12	.00	0	0	.0	.00	.000	.0	.000
MAR 24...	20	10	10	8.6	.00	1	0	.0	.00	.000	.0	.000
MAY 08...	180	120	60	10	.00	2	0	.0	.00	.000	.0	.001
JUN 02...	60	40	20	15	.00	2	0	.0	.00	.000	.0	.002
JUN 30...	40	20	20	10	.00	3	0	.0	.00	.000	.0	.000
JUL 28...	80	60	20	7.9	.00	1	0	.0	.00	.000	.0	.000
AUG 31...	30	20	10	7.8	.00	2	0	.0	.00	.000	.0	.004
SEP 29...	110	20	90	9.6	.00	2	0	.0	.00	.000	.0	.004

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

MISSISSIPPI RIVER DELTA

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 14...	.000	.000	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00
NOV 18...	.000	.000	.00	.000	.000	.002	.00	.000	.000	.006	.00	.00
DEC 22...	.004	.000	.00	.003	.004	.001	.00	.000	.000	.000	.00	.00
JAN 27...	.004	.001	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 28...	.004	.004	.00	.000	.000	.012	.00	.000	.000	.002	.00	.00
MAR 24...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.002	.00	.00
MAY 08...	.006	.004	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN 02...	.002	.000	.00	.002	.000	.000	.00	.000	.000	.001	.00	.00
30...	.002	.002	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 28...	.008	.000	.00	.000	.003	.000	.00	.000	.000	.001	.00	.00
AUG 31...	.006	.001	.01	.000	.000	.000	.00	.000	.001	.003	.00	.00
SEP 29...	.006	.004	.01	.000	.000	.001	.00	.000	.000	.003	.00	.00
DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 14...	.00	.00	.00	.00	0.0	.00	.00	.15	.00	.00	9.00	.000
NOV 18...	.00	.00	.00	.00	0.0	.00	.00	.19	.01	.00	10.4	.000
DEC 22...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	2.50	.000
JAN 27...	.01	.00	.00	.00	0.0	.00	.00	.05	.00	.00	.000	.000
FEB 28...	.00	.00	.00	.00	0.0	.00	.00	.44	.00	.00	.700	.000
MAR 24...	.00	.00	.00	.00	0.0	.00	.00	.38	.00	.00	23.1	2.43
MAY 08...	.00	.00	.00	.00	0.0	.00	.00	.16	.01	.00	2.98	.000
JUN 02...	.00	.00	.00	.00	0.0	.00	.00	.13	.01	.00	16.3	.000
30...	.00	.00	.00	.00	0.0	.00	.00	.24	.06	.00	37.4	4.36
JUL 28...	.00	.00	.00	.00	0.0	.00	.00	.27	.03	.00	34.2	2.87
AUG 31...	.01	.00	.00	.00	0.0	.00	.00	.12	.19	.00	2.31	.000
SEP 29...	.09	.00	.00	.00	0.0	.00	.00	.40	.03	.01	11.0	.000

MISSISSIPPI RIVER DELTA

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07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA

LOCATION.--Lat 30°04'15", long 91°49'45", on line between lots 8 and 17, T.11 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080102, on right bank of concrete lock and dam, 3.5 mi (5.6 km) south of St. Martinville, and 11 mi (18 km) upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft (0.238 m) below National Geodetic Vertical Datum of 1929.

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 or 197 km²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water for irrigation is diverted through Ruth Canal (see sta 07386700) into Vermilion River. Crest of dam raised from 8.0 ft (2.44 m) to 9.47 ft (2.866 m) in June 1957.

AVERAGE DISCHARGE.--19 years, 501 ft³/s (14.19 m³/s), 363,000 acre-ft/yr (446 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s (112 m³/s) Sept. 5, 1973, maximum gage height, 15.59 ft (4.752 m) Oct. 4, 1964; minimum discharge, no flow Aug. 10-29, 1962, June 12-16, 1963, July 24, 1964, July 21, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,380 ft³/s (95.72 m³/s) June 6, gage height, 12.58 ft (3.834 m); minimum, 84 ft³/s (2.38 m³/s) July 5, gage height, 9.76 ft (2.975 m).

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	454	447	1270	591	1180	662	501	248	378	115	507	906
2	538	762	1200	558	1220	720	471	271	471	106	357	771
3	523	834	1160	542	1110	753	451	478	454	100	325	684
4	422	815	1100	562	1020	741	370	333	449	96	313	713
5	401	751	1040	623	950	708	313	278	447	92	310	785
6	389	686	989	634	892	656	275	273	2080	162	330	737
7	367	626	936	663	859	632	258	342	1410	232	330	686
8	357	637	901	977	836	634	239	446	930	204	308	661
9	433	642	910	609	812	638	214	414	801	190	289	660
10	469	537	884	568	776	647	203	385	707	201	284	768
11	1100	577	872	614	733	654	453	356	668	205	294	680
12	710	593	842	746	685	664	611	350	633	215	298	598
13	636	557	975	665	708	641	723	335	620	212	298	496
14	590	516	1120	631	698	698	631	303	601	206	301	445
15	527	503	1020	608	724	682	566	281	572	200	345	442
16	489	520	941	605	718	688	513	273	568	200	321	578
17	457	529	887	703	694	665	449	459	522	190	324	664
18	429	510	841	678	664	645	411	713	459	179	343	519
19	405	496	820	731	621	619	368	456	404	202	317	440
20	380	467	805	711	600	599	334	462	366	232	312	366
21	360	572	772	680	587	609	328	469	316	230	311	322
22	344	613	746	646	604	577	321	359	278	210	287	330
23	329	668	709	615	643	678	326	328	254	216	280	305
24	324	666	671	1180	612	804	316	326	233	231	263	286
25	337	639	657	1380	612	787	304	347	203	301	246	282
26	351	589	624	1290	636	770	276	362	175	388	240	287
27	393	590	603	1210	653	753	247	372	166	394	238	298
28	439	638	581	1120	654	704	226	379	158	336	257	268
29	461	773	796	1020	---	558	223	382	140	317	1440	252
30	459	1410	802	974	---	538	239	401	126	371	1230	238
31	451	---	637	991	---	524	---	407	---	492	1020	---
TOTAL	14324	19163	27111	24125	21501	20648	11160	11588	15589	7025	12318	15467
MEAN	462	639	875	778	768	666	372	374	520	227	397	516
MAX	1100	1410	1270	1380	1220	804	723	713	2080	492	1440	906
MIN	324	447	581	542	587	524	203	248	126	92	238	238
AC-FT	28410	38010	53770	47850	42650	40960	22140	22980	30920	13930	24430	30680
CAL YR 1977	TOTAL	244137	MEAN 669	MAX 2570	MIN 85	AC-FT 484200						
WTR YR 1978	TOTAL	200019	MEAN 548	MAX 2080	MIN 92	AC-FT 396700						

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.35	10.35	11.17	10.51	11.09	10.59	10.41	10.08	10.26	9.83	10.42	10.85
2	10.45	10.70	11.12	10.48	11.13	10.65	10.38	10.12	10.38	9.81	10.23	10.71
3	10.44	10.77	11.08	10.46	11.04	10.69	10.35	10.38	10.36	9.80	10.19	10.62
4	10.32	10.75	11.02	10.48	10.95	10.68	10.25	10.20	10.35	9.79	10.17	10.65
5	10.29	10.69	10.97	10.55	10.89	10.64	10.17	10.13	10.35	9.78	10.17	10.72
6	10.27	10.62	10.92	10.56	10.83	10.59	10.12	10.12	11.64	9.92	10.20	10.67
7	10.25	10.55	10.87	10.59	10.80	10.56	10.09	10.21	11.27	10.05	10.20	10.62
8	10.23	10.56	10.84	10.91	10.78	10.56	10.06	10.35	10.87	10.01	10.17	10.59
9	10.33	10.57	10.85	10.53	10.75	10.57	10.02	10.31	10.74	9.98	10.14	10.59
10	10.37	10.45	10.82	10.49	10.71	10.58	10.00	10.27	10.64	10.00	10.13	10.70
11	11.01	10.50	10.81	10.54	10.67	10.58	10.35	10.23	10.60	10.01	10.15	10.61
12	10.64	10.52	10.78	10.68	10.62	10.59	10.53	10.22	10.56	10.03	10.15	10.52
13	10.56	10.48	10.90	10.59	10.64	10.57	10.66	10.20	10.55	10.02	10.15	10.41
14	10.51	10.43	11.04	10.56	10.63	10.63	10.56	10.16	10.53	10.01	10.15	10.34
15	10.44	10.41	10.95	10.53	10.66	10.61	10.49	10.13	10.49	10.00	10.22	10.34
16	10.40	10.43	10.88	10.53	10.65	10.62	10.43	10.12	10.49	10.00	10.19	10.50
17	10.36	10.44	10.83	10.64	10.62	10.59	10.35	10.32	10.44	9.98	10.19	10.59
18	10.33	10.42	10.78	10.61	10.59	10.57	10.30	10.64	10.36	9.96	10.22	10.43
19	10.29	10.41	10.76	10.67	10.55	10.55	10.25	10.36	10.29	10.00	10.18	10.34
20	10.26	10.37	10.74	10.64	10.52	10.52	10.20	10.36	10.24	10.05	10.17	10.25
21	10.24	10.49	10.71	10.61	10.51	10.53	10.19	10.37	10.18	10.05	10.17	10.19
22	10.22	10.54	10.68	10.57	10.53	10.50	10.19	10.24	10.13	10.02	10.14	10.20
23	10.20	10.60	10.64	10.54	10.57	10.60	10.19	10.19	10.09	10.02	10.13	10.16
24	10.19	10.60	10.60	11.07	10.54	10.74	10.18	10.19	10.06	10.05	10.10	10.14
25	10.21	10.57	10.59	11.26	10.54	10.73	10.16	10.22	10.00	10.15	10.08	10.13
26	10.22	10.51	10.55	11.19	10.56	10.71	10.12	10.24	9.95	10.27	10.07	10.14
27	10.28	10.51	10.53	11.12	10.58	10.69	10.08	10.25	9.93	10.28	10.06	10.15
28	10.34	10.57	10.50	11.04	10.58	10.64	10.04	10.26	9.92	10.21	10.09	10.11
29	10.37	10.70	10.72	10.95	---	10.48	10.04	10.27	9.88	10.18	11.23	10.09
30	10.36	11.29	10.74	10.91	---	10.46	10.06	10.29	9.85	10.25	11.14	10.06
31	10.35	---	10.56	10.93	---	10.44	---	10.30	---	10.39	10.96	---
MEAN	10.36	10.56	10.80	10.70	10.70	10.60	10.24	10.25	10.38	10.03	10.26	10.41
MAX	11.01	11.29	11.17	11.26	11.13	10.74	10.66	10.64	11.64	10.39	11.23	10.85
MIN	10.19	10.35	10.50	10.46	10.51	10.44	10.00	10.08	9.85	9.78	10.06	10.06

07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 487 micromhos Aug. 15, 1978; minimum, 49 micromhos Apr. 24, 1977.

WATER TEMPERATURES: Maximum, 33.5°C June 27, 1978; minimum, 3.5°C Jan. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 487 micromhos Aug. 15; minimum, 75 micromhos Dec. 29.

WATER TEMPERATURES: Maximum, 33.5°C June 27; minimum, 6.5°C Feb. 11.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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- TOCOC- CI KF AGAR (COLS. PER 100 ML)	HARD- NESS, DIS- SOLVED (MG/L AS CACO3)
OCT												
14...	1245	607	178	7.3	19.0	70	21	6.6	2.4	K40	1600	63
NOV												
09...	1530	607	134	7.0	19.0	160	65	5.5	3.3	K27000	K18000	41
DEC												
19...	1200	790	103	7.1	19.5	100	60	7.2	--	--	--	35
JAN												
10...	1030	562	109	7.2	9.0	100	45	9.4	2.9	--	--	38
FEB												
10...	1100	780	95	7.1	7.0	80	60	10.2	2.0	240	--	30
APR												
07...	1200	267	248	7.1	25.0	70	40	6.0	1.1	180	--	75
26...	1400	302	312	7.1	24.0	80	30	5.8	--	900	--	110
MAY												
22...	1215	370	308	7.1	28.0	60	30	4.4	.8	540	280	99
JUN												
08...	1150	940	162	6.5	28.0	100	120	4.3	3.5	--	--	48
JUL												
18...	1100	175	360	7.5	32.0	20	10	5.7	1.4	K160	4200	110
AUG												
21...	1215	323	252	6.4	31.0	50	30	4.6	2.1	--	680	67
SEP												
12...	1430	580	127	6.1	28.0	140	35	5.2	--	K400	K2200	32

DATE	HARD- NESS, NONCAR- BONATE, DIS- (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	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT												
14...	2	16	5.6	10	24	.5	3.7	74	0	61	5.3	13
NOV												
09...	2	9.9	3.9	8.4	28	.6	4.7	47	0	39	5.0	13
DEC												
19...	1	8.4	3.4	6.3	26	.5	3.0	42	0	34	4.8	8.6
JAN												
10...	7	8.8	3.8	7.7	29	.5	2.9	38	0	31	7.6	11
FEB												
10...	0	7.0	3.1	6.0	29	.5	1.9	36	0	30	6.7	7.6
APR												
07...	4	18	7.3	20	36	1.0	2.7	87	0	71	10	26
26...	10	26	11	19	27	.8	3.1	122	0	100	12	24
MAY												
22...	5	24	9.6	23	33	1.0	3.2	126	0	94	12	28
JUN												
08...	5	11	5.0	12	33	.0	3.4	53	0	43	6.3	19
JUL												
18...	0	27	11	26	33	1.1	3.4	142	0	116	6.0	36
AUG												
21...	0	17	6.0	22	40	1.2	2.9	86	0	71	6.3	30
SEP												
12...	0	8.0	3.0	11	40	.8	3.2	42	0	34	6.1	10

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

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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. (MG/L AS N)
OCT 14...	.1	12	106	102	.14	174	.23	--	--	.75	--	--
NOV 09...	.1	8.9	92	77	.13	151	.28	--	--	.86	--	--
DEC 19...	.0	7.8	72	63	.10	154	.09	.29	--	--	--	--
JAN 10...	.1	8.6	71	70	.10	108	.17	.10	--	--	--	1.1
FEB 10...	.8	6.8	65	58	.09	137	.11	.12	.62	.74	.19	.55
APR 07...	.1	7.6	133	135	.18	95.9	.30	.21	.56	.77	.00	.77
26...	.1	10	184	166	.25	150	.48	.12	.70	.82	.18	.64
MAY 22...	.1	11	173	168	.24	173	.26	.13	--	--	--	.79
JUN 08...	.1	9.0	99	92	.13	251	1.4	.22	.69	.91	.00	.91
JUL 18...	.1	15	198	195	.27	93.6	.09	.10	1.1	1.2	.27	.93
AUG 21...	.2	14	189	141	.26	165	.29	.24	.75	.99	.27	.72
SEP 12...	.1	12	90	74	.12	141	.23	.18	.82	1.0	.24	.76

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT 14...	.98	4.3	.31	--	9.3	--	--	--	62	92	151
NOV 09...	1.1	5.0	.38	--	--	--	--	110	80	119	195
DEC 19...	--	--	.34	.19	--	--	--	--	99	42	90
JAN 10...	--	--	.30	.18	--	14	2.3	--	94	58	88
FEB 10...	.85	3.8	.22	.11	2.5	--	--	--	84	26	55
APR 07...	1.1	4.9	.38	.23	12	--	--	0	98	58	42
26...	1.3	5.8	.34	.18	--	13	1.7	--	95	62	51
MAY 22...	--	--	.17	.17	9.0	--	--	--	97	74	74
JUN 08...	2.3	10	.45	.25	8.1	--	--	--	77	220	558
JUL 18...	1.3	5.7	.33	.26	--	10	3.9	--	92	62	29
AUG 21...	1.3	5.7	.43	.29	7.7	--	--	--	100	48	42
SEP 12...	1.2	5.4	.39	.25	12	--	--	--	99	46	72

MISSISSIPPI RIVER DELTA

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07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, SUS- PENDED 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)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 14...	2	0	2	--	--	--	<10	<10	0	5
JAN 10...	2	1	1	100	100	0	1	0	1	0
APR 26...	1	0	1	100	0	100	2	1	1	10
JUL 18...	5	1	4	200	0	200	2	1	1	0

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	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)
OCT 14...	5	0	<50	<50	0	10	4	6	1500	1300
JAN 10...	0	0	1	1	0	13	0	13	2300	2100
APR 26...	10	0	1	0	1	12	2	10	1800	1700
JUL 18...	0	0	1	0	1	12	3	9	410	390

DATE	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)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 14...	160	<100	<99	1	80	20	60	.0	.0	.0
JAN 10...	240	4	2	2	80	40	40	.0	.0	.0
APR 26...	80	12	5	7	170	40	130	.0	.0	.0
JUL 18...	20	9	4	5	300	60	240	.0	.0	.0

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 14...	0	0	0	--	--	--	30	0	30
JAN 10...	0	0	0	0	0	0	20	0	20
APR 26...	0	0	0	0	0	0	20	0	20
JUL 18...	0	0	0	1	1	0	20	0	20

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

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	187	168	119	82	97	105	160	366	373	280	223	113
2	179	208	126	87	96	106	161	367	353	289	234	123
3	178	176	105	80	91	135	154	314	343	321	185	121
4	177	182	83	105	98	119	189	334	397	354	250	149
5	192	145	79	117	98	---	215	368	425	383	289	144
6	209	135	82	106	---	122	229	349	207	412	355	116
7	210	136	83	102	96	135	242	364	172	---	372	135
8	218	138	88	89	95	133	253	378	147	290	334	110
9	211	128	93	95	98	126	261	387	192	298	338	114
10	206	142	92	110	97	132	256	359	238	310	366	108
11	151	151	---	115	92	130	222	367	160	304	388	118
12	140	153	88	109	---	126	254	329	139	286	367	121
13	126	139	87	119	91	132	252	319	156	311	361	124
14	168	124	93	140	98	150	284	367	---	291	423	130
15	144	136	96	150	99	183	225	320	159	337	487	133
16	136	136	95	136	105	217	230	286	151	345	432	149
17	121	138	93	151	120	218	201	312	172	352	328	149
18	136	147	100	161	133	224	231	275	167	342	346	176
19	144	144	98	148	119	240	272	256	169	360	345	181
20	139	141	105	155	117	262	319	360	173	349	281	182
21	205	142	102	158	121	278	326	360	203	288	248	170
22	253	155	100	148	122	288	301	328	223	379	277	181
23	248	165	95	144	119	274	303	222	236	375	327	199
24	257	166	93	143	111	265	---	230	257	333	348	208
25	260	146	90	113	113	165	316	273	259	385	355	196
26	258	167	84	111	100	163	320	312	257	350	383	192
27	263	138	82	101	102	156	324	353	262	397	377	177
28	234	129	77	93	104	156	334	408	272	356	367	206
29	136	143	75	89	---	142	314	402	271	346	217	194
30	125	---	85	89	---	154	372	431	276	364	213	209
31	194	---	87	---	---	157	---	411	---	358	190	---
MONTH	187	149	93	118	105	173	259	339	235	338	323	154

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.0	22.5	16.5	12.5	---	12.5	23.0	25.0	29.0	29.5	27.5	26.5
2	28.5	21.0	15.0	9.5	---	13.0	21.5	24.5	28.0	30.5	28.5	27.5
3	29.5	18.0	19.0	8.5	---	13.5	21.5	23.0	27.0	31.0	28.5	27.5
4	24.0	17.5	19.5	7.5	---	11.0	21.0	24.5	29.0	30.0	30.5	27.0
5	22.0	18.0	21.5	11.0	---	---	22.5	18.0	26.5	30.0	30.0	26.5
6	24.0	19.0	14.5	13.5	---	15.0	22.5	24.0	27.5	30.0	30.0	28.5
7	24.0	18.0	12.0	15.0	---	15.0	25.0	24.0	26.0	---	31.0	27.5
8	25.0	19.0	14.5	13.5	---	13.5	22.5	24.0	26.5	29.5	29.0	25.5
9	23.0	19.0	15.5	11.5	---	11.0	22.5	24.0	26.5	30.5	28.5	26.5
10	22.0	15.5	10.5	8.5	---	11.5	22.0	23.5	26.5	30.5	30.0	26.0
11	22.0	17.0	---	---	6.5	12.5	20.0	24.0	28.0	30.5	31.0	25.5
12	17.0	16.5	14.0	---	---	13.0	19.0	25.0	27.5	29.5	29.0	25.5
13	17.0	17.0	11.0	---	9.0	12.0	18.0	25.5	28.5	32.0	28.0	27.0
14	17.0	15.5	13.5	---	10.0	16.0	20.0	24.0	---	30.5	28.0	27.0
15	18.5	15.5	12.0	---	9.5	16.0	21.0	25.0	27.0	33.0	27.0	27.0
16	18.0	18.5	16.0	---	11.0	14.5	23.5	28.0	30.5	32.0	29.0	26.5
17	17.5	19.0	16.5	---	12.0	14.0	22.0	25.0	28.0	29.5	28.0	27.5
18	20.5	17.0	14.0	---	10.0	19.0	22.5	24.0	29.0	30.0	28.5	27.0
19	19.0	17.0	14.0	---	9.5	16.5	22.5	24.5	27.5	31.5	31.0	27.5
20	20.0	19.0	13.0	---	7.5	19.0	22.0	28.5	27.5	30.0	30.5	27.0
21	20.0	20.0	10.5	---	8.0	19.0	20.5	27.5	28.0	28.0	30.0	27.0
22	19.0	17.0	10.0	---	7.0	18.0	20.5	29.0	26.5	29.5	29.0	27.5
23	21.5	17.0	12.5	---	10.0	18.5	22.0	27.0	31.0	30.0	29.5	26.5
24	21.0	18.0	15.5	---	8.5	19.0	---	26.5	31.0	28.5	30.5	27.5
25	21.5	17.5	13.5	---	12.0	16.5	23.0	30.0	35.0	30.0	30.5	26.5
26	19.5	16.5	9.5	---	12.0	16.5	21.0	28.0	32.5	29.0	30.0	26.0
27	19.5	20.5	11.0	---	12.5	16.5	21.0	27.0	33.5	29.0	32.0	26.0
28	20.0	18.5	9.0	---	14.0	17.0	24.0	29.0	29.5	27.5	29.0	25.5
29	22.0	20.0	10.5	---	---	17.5	22.5	29.5	29.5	29.0	26.0	25.0
30	17.5	---	11.0	---	---	18.0	25.0	27.5	26.5	30.0	26.0	24.5
31	25.0	---	12.5	---	---	21.5	---	27.5	---	30.0	26.5	---
MONTH	21.5	18.0	13.5	---	---	15.5	22.0	25.5	26.5	30.0	29.0	26.5
YEAR	MAX	33.5	MIN	6.5	MEAN	22.0						

MISSISSIPPI RIVER DELTA

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07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NOV. 9, 1977 1330 HOURS

PHYTOPLANKTON 110 CELLS/ML

_ORGANISM__NAME_____	CELLS/ML	PER_CENT
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CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	22	20
....TETRAEDRON	11	10
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..PENNIALES		
...FRAGILARIACEAE		
....SYNEDRA	11	10
....NAVICULACEAE		
....NAVICULA	22	20
...NITZSCHIAEAE		
....NITZSCHIA	22	20
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
...EUGLENALES		
....EUGLENACEAE		
....TRACHELOMONAS	22	20

APR. 7, 1978 1200 HOURS

PHYTOPLANKTON -- NO ORGANISMS REPORTED --

MISSISSIPPI RIVER DELTA

07386700 RUTH CANAL NEAR RUTH, LA.*

LOCATION.--Lat 30°14'35", long 91°53'05", in NE¼NW¼ lot 95, T.9 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080103, near center of span on downstream side of bridge on State Highway 31, 1,200 ft (370 m) above control structure, 1,500 ft (460 m) downstream from point of diversion from Bayou Teche, 0.4 mi (0.6 km) northwest of Ruth, and 2.2 mi (3.5 km) south of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. Gage heights only May 1945 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

Gage.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 150 ft (46 m) below control structure at same datum. Nov. 4, 1965, to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records fair. Total flow through control structure diverted from Bayou Teche. Diversions are for irrigation.

AVERAGE DISCHARGE.--19 years, 126 ft³/s (3.57 m³/s), 91,290 acre-ft/yr (113 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s (22.7 m³/s) Apr. 21, 1966; minimum daily, 18 ft³/s (0.51 m³/s) Sept. 3-5, Oct. 22 to Nov. 7, 1963, July 27-30, 1965, July 4-9, 1969, Oct. 20, 21, 1972.

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	25	25	34	26	33	27	225	237	219	207	25	31
2	26	29	34	26	34	28	222	210	219	207	23	29
3	26	30	34	26	33	28	245	198	214	207	23	28
4	24	29	33	26	32	28	279	210	204	207	23	29
5	24	29	32	27	31	28	278	214	209	121	23	29
6	24	28	32	27	31	27	274	207	198	21	23	28
7	24	27	31	27	30	27	275	196	165	22	23	28
8	23	26	31	29	30	27	275	179	143	21	23	28
9	24	26	31	26	30	27	273	195	135	21	22	28
10	24	26	31	26	29	27	271	209	143	21	22	28
11	30	26	31	27	29	28	263	213	156	21	22	28
12	27	26	30	28	28	28	253	211	164	21	22	26
13	27	26	31	28	28	28	234	213	177	21	22	25
14	26	26	33	27	28	28	244	220	187	21	23	25
15	26	25	32	27	29	28	261	219	196	21	23	25
16	25	26	31	27	28	27	268	201	203	21	23	26
17	25	26	31	28	28	27	272	217	206	21	23	26
18	24	25	30	28	27	27	271	181	206	21	23	25
19	24	25	30	28	27	27	275	190	207	21	23	24
20	24	25	30	28	27	27	279	206	205	21	23	24
21	24	26	29	28	26	26	280	214	210	21	22	23
22	23	27	29	27	27	26	277	213	210	21	22	23
23	23	28	28	27	27	28	272	213	213	21	22	23
24	23	28	28	32	27	29	274	213	214	21	22	22
25	23	27	28	35	27	29	275	213	214	22	22	22
26	23	27	27	35	27	29	279	216	213	23	22	22
27	24	26	27	34	28	28	278	219	211	24	22	22
28	25	27	27	33	27	116	275	218	211	23	22	22
29	25	29	28	32	---	227	275	215	210	23	34	22
30	25	35	28	31	---	227	273	217	210	24	33	22
31	25	---	27	32	---	226	---	218	---	25	32	---
TOTAL	765	811	938	888	808	1540	7995	6495	5872	1513	732	763
MEAN	24.7	27.0	30.3	28.6	28.9	49.7	267	210	196	48.8	23.6	25.4
MAX	30	35	34	35	34	227	280	237	219	207	34	31
MIN	23	25	27	26	26	26	222	179	135	21	22	22
AC-FT	1520	1610	1860	1760	1600	3050	15860	12880	11650	3000	1450	1510
CAL YR 1977	TOTAL	15602	MEAN 42.7	MAX 204	MIN 22	AC-FT 30950						
WTR YR 1978	TOTAL	29120	MEAN 79.8	MAX 280	MIN 21	AC-FT 57750						

MISSISSIPPI RIVER DELTA

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07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", between lots 76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street, at Lafayette, 0.6 mi (1.0 km) north of Lafayette Airport, and 1.4 mi (2.3 km) upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.53 ft (0.466 m) below mean low Gulf level or 2.31 ft (0.704 m) below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (sta 07386935) used as auxiliary gage for this station.

REMARKS.--Records fair above 1,000 ft³/s (28 m³/s) and poor below. Discharges are affected by tide at all stages; diversions above and below station for irrigation.

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	83	---	1740	1030	1740	227	367	211	---	---	---	2560
2	346	---	2300	829	2290	33	330	190	---	---	---	2530
3	672	1530	2290	555	2560	405	305	467	---	---	---	2370
4	224	1500	2200	359	2470	361	453	596	---	---	---	2190
5	95	1160	2040	334	2320	93	383	298	---	---	---	1950
6	71	745	1840	329	2090	41	352	127	---	---	---	1690
7	5.0	381	1590	333	1840	72	404	498	---	---	---	1400
8	-55	345	1320	-22	1590	338	291	999	---	---	-10	1140
9	377	---	1290	1180	1360	274	246	1010	---	---	-24	1080
10	-35	---	1220	1060	1150	72	138	666	---	---	-59	1300
11	-359	---	974	747	921	105	700	137	---	---	-21	1360
12	1240	---	807	678	668	240	1090	251	---	---	-66	1770
13	2100	---	626	928	637	-126	1390	527	---	---	2.0	1560
14	1790	---	1020	832	694	424	1550	291	---	---	22	1220
15	1420	---	1760	602	498	238	1260	228	1360	---	137	1090
16	1120	---	1740	374	394	361	1050	163	1170	---	75	1160
17	827	---	1480	801	323	135	850	118	982	---	2.0	1130
18	553	---	1250	948	395	112	761	849	822	---	-18	909
19	450	-114	994	804	345	88	748	1170	716	---	35	702
20	331	3.0	886	1190	177	67	615	930	587	233	11	478
21	236	-125	753	947	325	161	440	724	477	10	28	318
22	20	414	571	687	214	366	306	580	402	89	10	243
23	149	489	340	473	149	257	274	462	344	10	-72	228
24	-368	389	310	340	177	410	384	385	296	98	-79	161
25	-187	268	303	159	86	732	470	403	---	314	-112	46
26	92	242	235	2450	159	555	441	338	---	221	-107	-36
27	242	-210	239	2690	65	340	327	380	---	17	-267	---
28	606	276	159	2610	167	324	301	305	---	---	-686	---
29	1380	466	323	2510	---	474	273	167	---	---	-3490	---
30	---	-127	797	2390	---	497	238	---	---	---	582	---
31	---	---	1350	2340	---	397	---	---	---	---	2300	---
TOTAL	---	---	34747	31487	25804	8073	16737	---	---	---	---	---
MEAN	---	---	1121	1016	922	260	558	---	---	---	---	---
MAX	---	---	2300	2690	2560	732	1550	---	---	---	---	---
MIN	---	---	159	-22	65	-126	138	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, 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	4.23	---	9.32	5.93	9.33	3.63	3.73	4.86	---	---	---	10.13
2	4.64	---	9.06	4.81	9.88	3.83	4.12	4.58	---	---	---	9.70
3	5.52	7.55	8.92	4.05	9.62	4.28	4.64	5.72	---	---	---	9.11
4	4.48	6.94	8.71	4.43	9.35	2.72	4.60	4.71	---	---	---	8.71
5	4.49	5.84	8.40	4.54	9.00	2.92	4.25	3.44	---	---	---	8.16
6	4.31	4.92	7.78	4.33	8.43	3.81	4.33	4.76	---	---	---	7.48
7	4.18	4.41	7.04	4.54	7.71	4.24	4.02	5.20	---	---	---	6.86
8	4.47	4.71	6.94	8.90	7.20	3.75	3.75	7.24	---	---	3.45	6.24
9	5.17	---	6.53	7.32	6.56	2.51	4.03	6.20	---	---	3.31	5.71
10	4.34	---	5.83	5.75	5.81	2.02	4.32	5.00	---	---	3.71	7.20
11	10.14	---	5.63	5.11	5.24	3.16	5.71	4.76	---	---	3.62	8.66
12	9.64	---	5.51	6.18	4.84	3.65	6.11	5.01	---	---	3.42	8.11
13	8.83	---	5.33	5.73	5.33	3.56	7.92	4.51	---	---	3.48	7.46
14	7.87	---	8.74	4.61	4.41	4.93	6.36	3.46	---	---	3.21	6.62
15	6.89	---	7.86	3.81	3.82	3.74	6.40	3.46	6.48	---	3.68	5.85
16	5.92	---	7.63	4.65	3.96	3.31	5.78	3.58	5.93	---	3.48	6.55
17	5.13	---	7.11	5.88	3.93	1.93	5.46	3.72	5.68	---	3.45	6.13
18	4.90	---	6.20	5.28	4.05	2.63	5.44	7.85	5.45	---	3.41	5.98
19	4.47	4.60	5.73	5.34	2.71	2.93	4.74	6.73	5.15	3.31	3.70	5.55
20	4.17	4.73	5.23	5.95	3.71	3.86	3.93	5.48	4.83	4.28	3.53	4.91
21	4.06	4.86	4.23	5.24	3.51	4.05	3.92	4.82	4.61	4.30	3.25	4.93
22	4.25	5.61	3.33	4.58	2.01	3.71	4.38	4.55	4.48	4.45	3.51	4.82
23	4.47	4.82	4.34	4.33	2.82	3.70	4.84	4.41	4.03	3.91	3.52	4.28
24	3.42	4.50	4.18	8.26	2.54	4.64	4.51	4.42	3.96	4.60	3.80	3.81
25	3.13	4.23	4.21	10.60	2.91	4.78	4.28	4.53	3.62	4.50	3.83	3.32
26	3.01	3.85	3.10	10.11	3.38	3.52	3.52	4.22	---	4.31	3.91	3.71
27	3.25	4.74	3.86	9.80	3.23	2.92	3.34	4.06	---	4.12	4.13	4.23
28	3.65	6.00	3.63	9.63	4.28	3.23	3.91	4.32	---	4.34	5.01	---
29	5.13	5.13	4.62	9.44	---	3.58	4.15	4.72	---	---	13.03	---
30	---	10.11	8.38	9.13	---	3.54	4.51	---	---	---	11.13	---
31	---	---	7.00	9.20	---	3.70	---	---	---	---	10.51	---
MEAN	---	---	6.27	6.37	5.34	3.51	4.70	---	---	---	---	---
MAX	10.14	10.11	9.32	10.60	9.88	4.93	7.92	7.85	---	---	13.03	10.13
MIN	3.01	---	3.10	3.81	2.01	1.93	3.34	3.44	---	---	---	---

MISSISSIPPI RIVER DELTA

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07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA

LOCATION.--Lat 30°09'45", long 92°03'20", between lots 68 and 69, T.10 S., R.4 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on State Highway 3073, 4.1 mi (6.6 km) downstream from Coulee Mine, 4.8 mi (7.7 km) southwest of Central School at Lafayette, and 7.8 mi (12.6 km) downstream from gaging station Vermilion River at Surrey Street, at Lafayette (sta 07386880).

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Datum of gage is 1.54 ft (0.469 m) below mean low Gulf level, or 2.32 ft (0.707 m) below National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.74 ft (5.102 m) Apr. 21, 1977; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.63 ft (4.459 m) Aug. 27; minimum, 1.74 ft (0.530 m) Mar. 17.

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	3.81	4.79	8.74	5.21	8.37	3.47	3.35	4.95	4.12	3.70	3.49	8.76
2	4.80	8.03	7.00	3.90	8.86	3.70	3.94	4.68	4.28	3.42	3.59	7.96
3	5.19	6.00	7.08	3.52	7.73	4.10	4.71	5.66	4.15	3.18	3.17	7.16
4	4.50	5.41	6.84	4.45	7.21	2.19	4.45	4.28	5.05	3.19	2.93	6.85
5	4.66	4.44	6.77	4.50	6.90	3.05	4.14	2.99	4.39	3.10	2.91	6.39
6	4.48	4.32	5.85	4.27	6.36	4.27	4.38	4.66	4.60	2.59	3.52	5.92
7	4.37	4.51	5.11	4.65	6.00	4.66	3.77	5.25	11.16	3.15	3.35	5.65
8	4.70	4.85	6.12	9.03	5.74	3.76	3.50	6.81	9.72	2.85	3.42	5.31
9	5.17	5.50	5.60	6.69	5.28	2.10	3.77	5.36	8.36	2.95	3.44	5.20
10	4.43	3.43	4.26	4.66	4.68	1.78	4.08	4.31	7.13	3.27	3.80	6.39
11	10.27	3.08	5.05	4.46	4.31	2.95	5.38	4.49	6.78	3.37	3.87	8.25
12	9.48	3.60	5.01	5.95	4.22	3.26	5.29	4.68	6.93	3.46	3.74	6.81
13	7.38	3.75	4.91	5.10	5.05	3.50	7.30	4.17	5.76	3.80	3.81	6.22
14	6.36	4.10	8.62	3.67	3.70	4.52	5.63	3.01	5.08	3.62	3.53	5.59
15	5.65	4.56	6.62	2.98	3.32	3.39	5.13	3.24	4.98	3.81	3.68	5.00
16	4.94	4.59	6.14	4.56	3.67	3.04	4.76	3.67	4.79	3.15	3.45	5.71
17	4.50	4.47	5.85	5.59	3.77	1.92	4.76	3.84	4.76	2.77	3.40	5.17
18	4.67	4.12	4.85	4.26	3.85	2.56	5.03	7.64	4.80	3.43	3.36	5.31
19	4.36	4.81	4.97	4.93	2.34	2.88	4.17	5.93	4.49	3.37	3.62	5.10
20	4.18	4.91	4.49	4.66	3.79	3.89	3.11	4.58	4.20	3.93	3.55	4.73
21	4.18	5.09	3.22	4.22	3.36	4.28	3.59	3.91	3.97	4.19	3.25	4.97
22	4.57	5.63	2.32	4.01	1.78	3.48	4.32	3.86	3.96	4.35	3.54	4.90
23	4.38	4.59	4.35	4.02	2.91	3.55	4.79	3.79	3.53	3.84	3.74	4.34
24	4.89	4.35	4.19	6.75	2.35	4.63	4.17	3.99	3.58	4.64	4.06	4.06
25	4.25	4.28	4.22	10.70	2.95	4.08	3.74	4.20	3.37	4.38	4.22	3.44
26	3.73	3.75	3.07	9.08	3.32	2.74	3.10	3.83	3.43	4.38	4.33	3.92
27	3.70	4.98	3.87	7.65	3.18	2.39	3.11	3.58	3.91	4.33	4.53	4.45
28	3.56	6.09	3.77	7.37	4.22	2.99	3.62	4.06	3.89	4.48	5.34	3.75
29	3.79	5.01	4.68	7.14	---	3.07	4.03	4.70	3.57	3.95	14.54	3.64
30	4.03	10.40	8.32	7.01	---	2.94	4.63	4.37	3.10	3.84	11.23	3.83
31	4.47	---	6.00	7.57	---	3.32	---	4.31	---	3.33	9.64	---
MEAN	4.95	4.91	5.42	5.57	4.62	3.31	4.33	4.48	5.06	3.61	4.45	5.49
MAX	10.27	10.40	8.74	10.70	8.86	4.66	7.30	7.64	11.16	4.64	14.54	8.76
MIN	3.56	3.08	2.32	2.98	1.78	1.78	3.10	2.99	3.10	2.59	2.91	3.44

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to current year.

pH: October 1976 to current year.

WATER TEMPERATURES: October 1970 to current year.

DISSOLVED OXYGEN: November 1970 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1970.

REMARKS.--Upper limit of dissolved oxygen sensor is 15.0 mg/L.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,140 micromhos Sep. 25, 1972; minimum, 20 micromhos Sep. 6, 1973, Feb. 6, 1976.

pH: Maximum, 8.0 units June 6, Aug. 19, 1978; minimum, 5.7 units Apr. 23, 1977.

WATER TEMPERATURES: Maximum, 35.5°C June 27, 28, 1973; minimum, 3.5°C Jan. 12, Feb. 11, 1973.

DISSOLVED OXYGEN: Maximum, 15.0 mg/L Sep. 11, 12, 22, 1972; minimum, 0.0 mg/L several days in summer months during 1973-75, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 615 micromhos Nov. 23; minimum, 25 micromhos July 18.

pH: Maximum, 8.0 units June 6, Aug. 19; minimum, 5.9 units Oct. 12.

WATER TEMPERATURES: Maximum, 34.0°C July 13, 15; minimum, 3.5°C Jan. 21.

DISSOLVED OXYGEN: Maximum, 11.3 Feb. 2; minimum, 0.0 mg/L several days during Oct., Nov., June, July, Sep.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DIS- SOLVED AS (MG/L CACO3)	HARD- NESS, NONCAR- BONATE, DIS. (MG/L CACO3)
OCT												
14...	1100	149	7.1	17.5	70	50	4.2	3.2	K6000	2900	41	2
NOV												
09...	1330	221	6.8	20.0	100	35	2.4	7.2	--	58000	55	1
DEC												
19...	1330	145	7.1	17.0	140	60	5.0	--	--	--	38	1
JAN												
10...	0900	188	7.2	10.0	140	65	7.7	3.8	--	--	40	0
FEB												
10...	1400	125	6.9	10.0	80	50	8.7	3.7	5200	--	33	0
APR												
07...	1000	289	6.9	24.0	60	40	3.9	2.8	--	2000	80	5
26...	1130	357	6.8	22.0	50	40	4.2	3.9	2900	--	120	21
MAY												
22...	1400	205	6.5	28.0	100	45	2.9	2.0	K600	K640	55	0
JUN												
08...	0930	124	6.3	26.5	50	85	4.9	5.1	4200	--	34	7
JUL												
18...	1230	953	7.1	31.0	30	10	5.9	.3	12000	3400	130	23
AUG												
21...	1430	394	7.4	31.5	20	4	9.3	8.4	--	6300	77	3
SEP												
12...	1615	108	6.3	26.0	120	40	5.2	.6	K1000	6100	26	0

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

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 14...	12	2.7	12	36	.8	4.5	47	0	39	6.2	18
NOV 09...	14	4.8	19	40	1.1	5.5	66	0	54	7.3	26
DEC 19...	10	3.2	11	36	.8	3.4	45	0	37	5.6	18
JAN 10...	11	3.1	19	48	1.3	3.7	57	0	47	8.5	27
FEB 10...	8.3	3.0	11	40	.8	2.5	40	0	33	8.6	14
APR 07...	22	6.1	21	35	1.0	3.0	91	0	75	14	26
26...	28	12	27	32	1.1	3.5	120	0	98	38	36
MAY 22...	14	4.9	17	38	1.0	3.9	73	0	60	9.7	22
JUN 08...	8.7	2.9	11	39	.8	3.4	32	0	26	5.5	24
JUL 18...	32	12	140	69	5.4	5.3	130	0	110	18	220
AUG 21...	20	6.6	41	51	2.0	5.8	90	0	74	32	49
SEP 12...	7.0	2.1	7.4	34	.6	4.5	38	0	31	3.9	6.8

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 14...	.1	7.0	87	86	.12	.24	.95	1.2	5.3	.50	12
NOV 09...	.1	13	133	122	.18	.33	2.3	2.6	12	.89	--
DEC 19...	.2	8.4	96	82	.13	.22	1.4	1.6	7.2	.50	--
JAN 10...	.1	8.8	116	110	.16	.33	2.0	2.3	10	.49	13
FEB 10...	.1	6.0	76	73	.10	.18	.97	1.2	5.1	.35	--
APR 07...	.1	9.2	150	146	.20	.29	1.3	1.6	7.0	.46	--
26...	.1	12	213	216	.29	.43	1.6	2.0	9.0	.49	11
MAY 22...	.1	8.4	123	116	.17	.33	1.4	1.7	7.7	.45	--
JUN 08...	1.0	8.5	83	81	.11	1.7	1.4	3.1	14	5.0	--
JUL 18...	.2	14	512	506	.70	.17	2.5	2.7	12	.70	9.3
AUG 21...	.2	16	278	215	.38	.45	3.0	3.5	15	2.0	--
SEP 12...	.1	8.3	85	59	.12	.21	1.2	1.4	6.2	.55	--

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)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
OCT 14...	2	7	0	<1	0	0	6	11	180	4500	0	30
JAN 10...	2	--	1	--	--	0	5	--	200	--	2	--
APR 26...	1	--	2	--	--	0	9	--	200	--	8	--

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

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
OCT 14...	100	240	.0	60	54	.00	5	.0	8	.00	.0	.00
JAN 10...	80	--	--	10	--	--	--	--	--	--	--	--
APR 26...	220	--	.0	20	--	--	--	.0	--	.00	--	.00

DATE	ALDRIN, TOTAL 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)	DDE, IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)
OCT 14...	.0	.0	52	.00	16	.00	12	.00	81	.03	.0	.00
JAN 10...	--	--	--	--	--	--	--	--	--	--	--	--
APR 26...	--	.0	--	.01	--	.00	--	.00	--	.05	--	.01

DATE	DI-ELDRIN, TOTAL 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)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT-TOM MA-TERIAL (UG/KG)
OCT 14...	1.9	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00
JAN 10...	--	--	--	--	--	--	--	--	--	--	--
APR 26...	--	--	.00	--	.00	--	.01	--	.00	.01	--

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, IN BOT-TOM MA-TERIAL (UG/KG)
OCT 14...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
JAN 10...	--	--	--	--	--	--	--	--	--	--	--
APR 26...	.00	--	--	.00	--	.00	--	.00	--	.00	--

DATE	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)
OCT 14...	.00	0	0	.00	.0	.27	.04	.00
APR 26...	--	0	--	.00	--	.17	.02	.01

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	218	108	207	163	120	106	203	188
2	---	---	---	---	142	127	203	167	---	---	228	186
3	---	---	---	---	146	140	174	158	---	---	273	171
4	211	167	---	---	176	149	176	166	---	---	270	168
5	233	217	---	---	175	164	221	166	---	---	242	177
6	243	219	---	---	163	148	252	217	---	---	213	182
7	261	230	---	---	146	132	269	223	---	---	231	210
8	263	242	---	---	139	126	219	119	---	---	267	139
9	302	239	---	---	141	134	341	130	---	---	226	192
10	292	228	---	---	199	123	242	186	---	---	220	197
11	300	67	---	---	148	133	194	177	---	---	242	208
12	155	61	---	---	188	142	185	148	---	---	249	201
13	138	118	---	---	262	132	286	145	---	---	226	212
14	175	140	---	---	296	137	232	147	---	---	324	218
15	201	179	---	---	146	114	224	171	---	---	172	146
16	189	162	---	---	139	118	174	163	---	---	398	270
17	166	160	---	---	158	137	260	161	166	142	334	296
18	166	160	---	---	160	147	346	175	188	137	341	314
19	198	163	509	459	161	145	198	156	192	136	332	310
20	215	198	588	492	163	152	222	150	162	140	386	310
21	247	194	568	481	163	148	170	138	168	142	417	283
22	260	236	491	360	159	148	158	140	189	160	407	292
23	265	216	615	363	175	155	182	152	204	174	590	292
24	278	229	488	348	215	167	196	118	195	174	515	274
25	---	---	423	333	235	214	132	78	199	174	350	128
26	---	---	353	311	302	202	126	90	189	163	223	206
27	---	---	331	295	227	183	108	102	252	193	270	223
28	---	---	384	280	207	183	108	98	249	195	271	228
29	---	---	449	238	205	134	110	104	---	---	281	203
30	---	---	227	97	191	76	124	108	---	---	241	194
31	---	---	---	---	223	137	154	114	---	---	222	193
MONTH	302	61	615	97	302	76	346	78	252	106	590	128

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	217	196	412	351	454	342	413	359	333	246	142	119
2	228	203	440	360	453	393	431	351	343	227	156	140
3	250	209	407	262	431	377	348	328	325	240	153	124
4	270	246	655	335	547	387	395	348	297	217	173	135
5	303	256	360	317	407	272	429	373	331	250	190	158
6	302	281	350	339	302	58	545	385	367	271	184	160
7	305	280	358	163	112	81	574	430	382	268	157	141
8	322	301	542	189	150	90	563	414	425	327	151	137
9	319	301	250	204	148	138	457	391	427	368	247	140
10	322	290	294	253	151	142	430	416	426	327	223	77
11	342	133	332	290	155	146	463	414	372	305	168	90
12	468	186	---	---	151	137	479	428	365	312	121	97
13	289	179	---	---	151	145	494	404	396	330	148	123
14	211	170	---	---	154	147	446	417	464	405	156	141
15	223	187	---	---	152	140	503	455	430	375	195	142
16	222	206	---	---	165	147	543	494	684	430	352	139
17	223	202	---	---	200	160	528	493	694	602	239	168
18	257	221	492	173	207	181	557	25	634	538	238	179
19	287	257	272	158	188	180	567	109	694	563	238	173
20	282	266	315	200	206	189	396	146	674	401	196	181
21	282	265	298	237	223	206	348	196	412	333	197	182
22	295	263	246	210	248	209	307	212	441	378	211	193
23	313	279	268	246	277	236	333	267	339	390	232	188
24	342	298	276	260	309	250	288	234	452	393	249	213
25	376	310	276	268	319	274	341	211	458	398	259	235
26	357	318	367	285	321	293	856	337	467	410	268	239
27	362	304	379	335	382	296	518	404	473	410	312	241
28	371	335	401	365	374	297	488	226	487	413	308	228
29	347	329	425	376	435	301	229	150	261	112	248	216
30	357	340	429	402	378	345	217	158	200	124	310	229
31	---	---	451	394	---	---	268	207	125	110	---	---
MONTH	468	133	655	158	547	58	856	25	694	110	352	77

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.7	6.5	6.7	6.6	6.5	6.2	---	---	6.5	6.3	6.7	6.6
2	6.9	6.6	6.9	6.5	6.3	6.2	---	---	6.5	6.4	6.7	6.6
3	6.7	6.3	6.7	6.3	6.2	6.1	---	---	6.4	6.3	6.9	6.5
4	6.4	6.2	6.4	6.3	6.2	6.1	---	---	6.3	6.3	6.8	6.7
5	6.4	6.3	6.4	6.3	6.3	6.1	---	---	6.3	6.2	6.6	6.6
6	6.4	6.3	6.3	6.3	6.1	6.0	---	---	6.2	6.2	6.6	6.6
7	6.5	6.4	6.4	6.3	6.1	6.0	---	---	6.2	6.2	6.6	6.5
8	6.5	6.4	6.4	6.3	6.0	6.0	---	---	6.2	6.2	6.7	6.5
9	7.0	6.4	6.5	6.3	6.1	6.0	---	---	6.3	6.2	6.6	6.5
10	6.4	6.3	6.5	6.4	6.1	6.0	---	---	6.3	6.3	6.6	6.4
11	7.5	6.4	6.6	6.5	6.1	6.0	---	---	6.4	6.3	6.5	6.4
12	6.5	5.9	6.6	6.5	6.1	6.1	---	---	---	---	6.4	6.3
13	6.4	6.3	6.6	6.5	6.6	6.1	---	---	---	---	6.4	6.4
14	6.3	6.1	6.6	6.5	7.4	6.3	---	---	---	---	6.4	6.3
15	6.1	6.1	6.6	6.6	6.3	6.2	---	---	---	---	6.4	6.3
16	6.1	6.0	6.7	6.6	6.2	6.1	---	---	---	---	6.4	6.3
17	6.0	6.0	6.7	6.6	6.2	6.1	6.8	6.4	6.6	6.6	6.4	6.4
18	6.0	6.0	6.7	6.5	6.2	6.1	6.7	6.5	6.9	6.6	6.4	6.3
19	6.1	6.0	6.5	6.5	---	---	6.7	6.5	6.6	6.6	6.4	6.4
20	6.1	6.1	6.7	6.5	---	---	6.6	6.5	6.7	6.6	6.4	6.4
21	6.2	6.1	6.6	6.6	---	---	6.6	6.5	6.7	6.6	6.7	6.4
22	6.3	6.2	6.6	6.5	---	---	6.5	6.4	6.7	6.7	6.8	6.7
23	6.2	6.2	6.6	6.5	---	---	6.6	6.4	6.7	6.7	6.8	6.6
24	6.3	6.2	6.5	6.4	---	---	7.0	6.6	6.8	6.7	6.9	6.6
25	6.4	6.2	6.5	6.4	---	---	7.1	6.3	6.7	6.6	6.7	6.6
26	6.4	6.2	6.6	6.4	---	---	6.6	6.5	6.7	6.6	6.6	6.5
27	6.6	6.4	6.7	6.4	---	---	6.5	6.4	6.7	6.6	6.6	6.5
28	6.6	6.5	6.5	6.4	---	---	6.4	6.3	6.6	6.6	6.6	6.5
29	6.6	6.5	6.7	6.3	---	---	6.3	6.3	---	---	6.6	6.5
30	6.7	6.5	7.1	6.1	---	---	6.4	6.2	---	---	6.6	6.5
31	6.7	6.6	---	---	---	---	6.3	6.3	---	---	6.6	6.5
MONTH	7.5	5.9	7.1	6.1	7.4	6.0	7.1	6.2	6.9	6.2	6.9	6.3

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.5	7.3	7.2	7.4	7.3	7.4	7.2	7.3	7.0	6.8	6.8
2	6.5	6.4	7.4	7.3	7.4	7.3	7.7	7.2	7.5	7.0	6.7	6.7
3	6.5	6.4	7.5	7.3	7.4	7.3	7.5	7.2	7.7	7.0	6.9	6.7
4	6.5	6.5	7.4	7.3	7.5	7.3	7.8	7.3	7.8	7.0	6.8	6.6
5	6.5	6.4	7.3	7.2	7.3	7.1	7.9	7.3	7.5	7.1	6.7	6.6
6	6.5	6.5	7.3	7.2	8.0	7.1	7.8	7.3	7.4	7.1	6.6	6.5
7	6.5	6.5	7.3	7.2	7.2	6.9	7.4	7.3	7.4	7.2	6.5	6.5
8	6.6	6.5	7.3	7.0	6.8	6.7	7.4	7.3	7.4	7.2	6.4	6.4
9	6.5	6.5	7.0	6.8	6.8	6.7	7.6	7.4	7.4	7.3	6.9	6.4
10	6.5	6.5	7.1	7.0	6.8	6.7	7.5	7.3	7.7	7.3	6.9	6.5
11	6.8	6.5	7.1	7.0	6.7	6.7	7.5	7.4	7.5	7.2	6.6	6.4
12	6.6	6.4	---	---	6.7	6.6	7.7	7.6	7.4	7.2	6.5	6.4
13	6.5	6.3	---	---	6.6	6.6	7.6	7.5	7.3	7.3	6.4	6.4
14	6.3	6.2	---	---	6.7	6.6	7.5	7.5	7.5	7.3	6.4	6.4
15	6.3	6.2	---	---	6.6	6.6	8.4	7.5	7.6	7.3	6.5	6.3
16	6.3	6.2	---	---	6.7	6.6	8.0	7.4	7.5	7.4	6.6	6.4
17	6.3	6.2	---	---	6.7	6.7	7.5	7.4	7.8	7.5	6.5	6.4
18	6.3	6.2	7.3	6.9	6.7	6.7	9.5	7.4	7.6	7.5	6.5	6.4
19	6.4	6.3	7.0	6.7	6.8	6.7	7.9	7.4	8.0	7.5	6.5	6.3
20	6.5	6.4	7.1	6.8	6.9	6.8	7.5	6.9	7.6	7.4	6.4	6.3
21	6.5	6.4	7.1	6.9	6.9	6.9	7.3	7.1	7.4	7.3	6.4	6.4
22	6.6	6.5	6.9	6.8	7.0	6.9	7.3	7.1	7.5	7.4	6.4	6.4
23	6.7	6.6	6.9	6.8	7.1	6.9	7.3	7.0	7.5	7.4	6.4	6.3
24	6.8	6.7	7.0	6.9	7.1	7.0	7.1	7.0	7.5	7.4	6.4	6.4
25	6.9	6.8	7.1	7.0	7.2	7.1	7.2	7.0	7.6	7.4	6.4	6.4
26	6.9	6.9	7.2	7.0	7.2	7.1	7.5	7.1	7.8	7.4	6.4	6.3
27	7.0	6.9	7.2	7.2	7.2	7.1	7.3	7.3	7.5	7.4	6.5	6.3
28	7.0	7.0	7.3	7.2	7.2	7.1	7.4	7.0	7.5	7.4	---	---
29	7.1	7.1	7.3	7.2	7.2	7.1	7.1	6.9	7.4	7.0	---	---
30	7.2	7.2	7.4	7.3	7.3	7.2	7.0	6.9	7.1	6.8	---	---
31	---	---	7.4	7.3	---	---	7.1	6.9	6.8	6.7	---	---
MONTH	7.2	6.2	7.5	6.7	8.0	6.6	9.5	6.9	8.0	6.7	6.9	6.3

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.5	28.0	23.0	21.5	17.5	16.0	12.0	11.5	6.5	6.5	15.0	14.0
2	29.0	26.5	22.0	20.0	16.0	15.5	11.5	10.0	6.5	6.0	14.5	14.5
3	26.0	23.5	20.5	18.5	16.0	15.0	10.0	9.0	6.5	6.0	15.0	14.0
4	24.5	23.0	18.5	18.0	17.0	15.5	9.5	8.0	7.0	6.0	13.5	12.5
5	24.0	22.5	18.5	18.0	18.0	17.0	10.5	9.0	7.5	6.5	13.0	11.5
6	24.5	23.0	19.0	18.0	17.5	15.5	12.5	10.5	7.5	7.0	14.5	12.5
7	24.5	23.0	19.5	18.5	15.5	13.5	14.5	12.5	7.0	6.5	14.5	14.0
8	25.0	23.5	20.0	19.0	14.5	13.5	14.5	13.5	7.0	6.5	15.0	14.0
9	24.0	23.0	20.0	19.0	15.0	13.5	13.5	11.0	---	---	13.5	12.5
10	23.0	21.0	19.0	17.5	13.5	11.0	10.5	8.5	---	---	15.5	12.0
11	21.5	20.0	17.5	16.5	11.0	10.5	8.0	7.5	---	---	14.5	12.5
12	20.0	19.0	17.5	16.0	11.5	10.5	8.0	7.5	---	---	15.0	13.5
13	19.0	18.0	17.0	16.0	14.0	11.5	8.0	7.5	---	---	16.0	14.5
14	18.0	17.0	17.0	15.5	15.0	13.5	7.5	6.0	---	---	18.5	15.5
15	18.0	17.0	17.0	15.5	14.5	13.5	6.5	5.5	---	---	18.5	17.5
16	18.0	17.0	18.5	16.5	15.0	14.0	8.5	6.0	---	---	18.5	17.0
17	18.0	16.5	19.0	18.0	15.5	14.5	8.5	7.5	11.0	10.5	18.5	16.0
18	17.5	16.5	18.5	18.0	15.0	14.0	8.0	7.5	11.0	10.0	18.5	16.5
19	18.5	17.0	18.0	17.5	15.0	14.0	7.0	5.5	10.5	9.5	18.5	17.0
20	19.5	18.0	19.5	18.0	15.0	14.0	5.5	4.0	10.5	9.0	19.0	17.5
21	20.5	19.0	19.5	19.0	14.0	11.5	4.5	3.5	10.0	9.0	19.0	18.5
22	20.5	20.0	19.5	18.5	11.5	10.5	5.0	4.5	10.0	8.0	20.5	18.5
23	22.0	20.5	18.5	18.0	11.5	10.5	7.0	5.0	11.5	9.5	20.5	20.0
24	21.5	21.0	19.0	18.0	13.5	11.5	12.0	7.0	13.0	10.0	20.5	19.5
25	21.5	21.0	18.5	17.5	14.0	13.0	13.5	11.5	13.5	11.0	19.5	19.0
26	22.5	21.0	18.0	17.0	13.0	12.0	12.5	10.5	14.0	12.5	19.5	18.0
27	22.0	20.5	18.0	16.5	12.0	11.5	10.5	9.0	14.0	13.0	19.5	17.0
28	22.0	21.0	19.0	17.5	11.5	10.0	9.0	8.5	15.0	13.5	20.5	17.5
29	22.5	21.5	19.0	18.0	10.5	9.5	8.5	8.0	---	---	19.5	18.0
30	22.5	21.5	18.5	16.5	11.0	10.5	8.0	7.5	---	---	19.5	18.5
31	23.0	21.5	---	---	11.5	10.5	7.5	6.5	---	---	21.0	18.5
MONTH	29.5	16.5	23.0	15.5	18.0	9.5	14.5	3.5	15.0	6.0	21.0	11.5

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.5	19.0	25.5	24.0	29.5	28.0	31.5	30.0	30.5	28.5	27.0	26.0
2	21.5	20.0	25.0	24.5	29.0	28.0	33.0	30.0	31.5	28.5	27.0	26.0
3	22.0	21.0	24.5	23.0	28.0	27.0	32.5	30.5	32.0	29.0	26.5	25.5
4	22.5	21.0	24.0	22.5	28.0	26.5	33.0	31.0	33.0	28.5	26.5	25.5
5	23.0	21.5	24.5	22.0	27.5	26.5	33.5	31.0	32.0	29.0	27.0	26.0
6	23.5	22.0	24.0	23.5	27.0	23.0	33.0	31.5	30.5	29.5	27.0	26.0
7	23.5	22.0	24.0	23.0	25.0	24.0	32.0	31.0	31.0	28.5	26.5	26.0
8	25.0	22.5	24.0	23.5	26.0	24.5	33.0	30.5	31.5	29.0	26.0	25.5
9	24.0	23.0	25.5	23.5	26.5	25.5	33.0	29.5	31.0	29.5	26.0	25.5
10	23.5	23.0	26.5	24.5	26.5	25.5	33.5	30.5	31.5	29.5	26.0	24.5
11	23.0	17.5	25.5	24.5	26.0	25.0	32.5	31.0	31.5	29.5	25.5	24.5
12	20.5	17.0	---	---	26.5	25.0	33.0	31.0	30.5	29.5	26.0	25.0
13	18.0	17.0	---	---	27.0	26.0	34.0	31.5	30.0	29.0	26.0	25.5
14	19.0	17.0	---	---	27.5	26.0	33.0	31.5	29.5	28.0	26.5	26.0
15	20.5	18.5	---	---	27.5	26.0	34.0	31.0	29.5	28.0	27.0	26.0
16	21.0	19.5	---	---	27.0	26.0	33.5	31.0	30.0	28.0	27.0	26.0
17	21.5	20.5	---	---	28.0	26.5	33.0	31.0	30.5	28.5	27.0	26.0
18	23.0	21.5	26.5	23.5	28.5	27.0	32.5	31.5	31.5	29.0	27.5	26.5
19	23.5	22.0	24.5	23.5	29.0	27.5	32.0	26.5	32.5	30.0	28.0	26.5
20	22.5	21.0	26.5	24.5	29.5	27.5	28.5	26.5	31.5	29.0	28.0	27.0
21	22.5	20.5	27.5	25.5	30.5	28.0	28.5	27.5	31.0	28.5	28.5	27.0
22	23.0	21.0	28.0	26.0	31.0	28.5	29.0	27.5	31.5	29.5	28.5	27.5
23	24.0	22.0	28.5	26.5	32.0	29.0	29.0	28.0	31.5	29.0	28.0	27.0
24	25.0	22.5	29.0	26.5	32.5	30.0	29.0	27.0	31.5	30.0	28.0	27.0
25	24.5	23.5	29.0	27.0	32.0	30.0	28.5	27.0	31.5	30.0	27.5	26.5
26	24.0	22.0	29.5	27.5	32.5	31.0	29.5	27.5	32.5	30.5	28.0	26.0
27	24.5	22.0	29.5	27.5	31.5	31.0	29.0	28.0	31.0	30.5	27.0	26.5
28	24.0	22.5	30.0	28.0	32.5	30.5	29.0	27.0	30.5	28.5	26.5	25.0
29	24.0	23.0	30.0	28.5	31.5	30.5	30.0	27.0	26.5	25.0	26.0	24.5
30	24.5	23.5	29.5	28.5	32.0	30.0	30.5	27.5	26.5	26.0	26.5	25.0
31	---	---	29.5	28.0	---	---	31.0	28.0	26.5	25.5	---	---
MONTH	25.0	17.0	30.0	22.0	32.5	23.0	34.0	26.5	33.0	25.0	28.5	24.5

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2.9	.1	---	---	---	---	---	---	10.4	8.6	3.9	3.1
2	1.4	.1	---	---	---	---	---	---	11.3	10.4	---	---
3	2.8	1.4	3.3	1.9	4.5	4.1	---	---	10.9	10.0	---	---
4	1.4	.4	2.4	1.9	4.1	3.7	---	---	10.0	9.5	6.0	5.2
5	.4	.0	2.8	2.3	3.6	3.1	---	---	9.5	8.8	5.5	4.5
6	.7	.0	2.5	2.0	3.4	2.9	---	---	8.8	8.6	4.6	3.6
7	1.0	.0	---	---	3.8	3.4	---	---	8.8	8.6	4.3	2.5
8	1.3	.0	---	---	4.2	3.8	---	---	9.0	8.8	4.0	2.3
9	1.5	.1	---	---	4.9	4.0	---	---	9.1	8.9	3.8	2.9
10	3.0	.1	---	---	6.0	5.0	---	---	9.1	8.9	3.0	1.9
11	7.9	1.4	---	---	---	---	---	---	9.1	8.7	---	---
12	6.4	3.3	---	---	---	---	---	---	8.9	8.7	---	---
13	4.8	4.1	---	---	---	---	8.4	7.9	---	---	---	---
14	4.0	3.0	---	---	---	---	8.7	8.3	---	---	---	---
15	3.0	2.5	---	---	---	---	8.8	8.5	---	---	---	---
16	2.7	2.5	---	---	5.5	5.0	9.1	8.6	7.6	7.3	---	---
17	2.6	2.2	---	---	5.0	4.7	8.9	7.8	7.4	6.8	---	---
18	2.3	1.7	---	---	5.0	4.7	8.5	7.7	7.1	4.1	---	---
19	1.7	1.3	.2	.1	5.0	4.6	9.0	7.8	7.4	7.1	---	---
20	1.4	.9	.2	.2	5.1	4.6	9.9	8.8	7.2	6.4	---	---
21	.9	.3	.4	.1	5.7	4.8	10.0	9.7	7.7	6.3	---	---
22	---	---	---	---	6.0	5.6	9.8	9.4	7.8	7.2	---	---
23	---	---	---	---	6.0	5.7	9.6	9.0	7.2	6.3	---	---
24	---	---	---	---	5.9	5.7	9.0	8.1	7.0	6.7	2.6	1.0
25	---	---	---	---	5.9	5.3	8.3	6.7	6.8	4.8	3.3	2.3
26	---	---	---	---	5.8	5.1	7.4	6.4	5.4	4.7	2.9	2.4
27	---	---	---	---	5.7	4.2	7.5	7.2	5.0	4.3	2.4	1.8
28	---	---	---	---	6.3	5.2	7.3	7.0	4.1	3.0	---	---
29	---	---	---	---	---	---	7.4	7.0	---	---	---	---
30	---	---	---	---	---	---	7.5	7.2	---	---	---	---
31	---	---	---	---	---	---	8.5	7.5	---	---	---	---
MONTH	7.9	.0	3.3	.1	6.3	2.9	10.0	6.4	11.3	3.0	6.0	1.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	4.0	.6	5.3	.0	---	---	2.7	.2
2	---	---	---	---	1.3	.3	10.7	.1	---	---	1.7	1.1
3	---	---	---	---	2.9	.3	5.8	.1	---	---	---	---
4	---	---	---	---	3.7	1.1	7.2	.1	---	---	---	---
5	---	---	---	---	2.9	1.8	5.4	.1	---	---	---	---
6	---	---	---	---	11.2	1.1	4.9	.2	---	---	---	---
7	---	---	---	---	8.6	4.5	.5	.0	---	---	---	---
8	---	---	---	---	5.1	4.1	.1	.0	---	---	---	---
9	---	---	---	---	4.1	3.1	1.8	.0	---	---	---	---
10	---	---	---	---	3.0	2.7	2.8	.0	---	---	---	---
11	---	---	---	---	3.4	2.6	2.0	.0	---	---	---	---
12	---	---	---	---	3.4	2.0	1.7	.1	---	---	---	---
13	---	---	---	---	2.0	1.5	3.8	.1	---	---	---	---
14	---	---	---	---	1.6	1.0	2.0	.1	---	---	---	---
15	---	---	---	---	1.8	1.0	.2	.0	---	---	---	---
16	---	---	---	---	2.2	1.5	.0	.0	---	---	.1	.0
17	---	---	---	---	2.2	1.4	10.8	.0	---	---	.1	.0
18	---	---	8.4	4.0	1.8	1.3	9.6	2.0	---	---	.1	.0
19	---	---	5.4	3.6	1.6	.2	5.2	1.7	---	---	.5	.0
20	---	---	4.8	3.7	1.1	.2	---	---	---	---	.5	.0
21	---	---	4.2	2.6	1.5	.1	---	---	---	---	.3	.0
22	---	---	3.0	1.8	1.5	.3	---	---	---	---	.2	.0
23	---	---	3.0	1.3	1.8	.3	---	---	---	---	.1	.0
24	---	---	4.0	1.0	1.8	.2	---	---	---	---	.0	.0
25	---	---	2.7	1.0	1.0	.0	---	---	---	---	.3	.0
26	---	---	2.0	1.0	2.6	.0	---	---	---	---	.4	.0
27	---	---	2.4	.8	.1	.1	---	---	---	---	.2	.0
28	---	---	2.2	.3	2.7	.0	---	---	---	---	.4	.0
29	---	---	1.6	.3	.3	.0	---	---	---	---	1.6	.0
30	---	---	2.3	.3	1.6	.0	---	---	---	---	2.3	.0
31	---	---	1.0	.3	---	---	---	---	3.6	2.7	---	---
MONTH	---	---	8.4	.3	11.2	.0	10.8	.0	3.6	2.7	2.7	.0

08011000 BAYOU PLAQUEMINE BRULE NEAR CROWLEY, LA

LOCATION.--Lat 30°14'09", long 92°23'44", in NW¼SW¼ sec.29, T.9 S., R.1 E., Louisiana meridian, Acadia Parish, Hydrologic Unit 08080201, at bridge on State Highway 100, 1.0 mi (1.6 km) downstream from bridge on State Highway 13, 1.5 mi (2.4 km) upstream from Missouri Pacific Railroad Co. bridge, and 1.8 mi (2.9 km) northwest of Crowley.

DRAINAGE AREA.--252 mi² (653 km²).

PERIOD OF RECORD.--October 1942 to September 1947. October 1965 to February 1975 (annual maximum gage height), and March 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 1.11 ft (0.338 m) below National Geodetic Vertical Datum of 1929. October 1942 to September 1947 nonrecording gage at same site at datum 1.06 ft (0.323 m) lower, Oct. 1, 1965, to Mar. 1, 1975, crest-stage gage at same site, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Large diversions below station for irrigation by pumping affect stage-discharge relation. Records include waste water from rice fields above station that were irrigated from ground-water supplies.

AVERAGE DISCHARGE.--5 years (1942-47), 545 ft³/s (15.43 m³/s), 29.37 in/yr (746 mm/yr), 394,900 acre-ft/yr (487 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,400 ft³/s (351 m³/s) July 7, 1946; maximum gage height, 21.90 ft (6.675 m) July 8, 1946, present datum; no flow at times in most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.45 ft (3.185m) Dec. 2; minimum, not determined.

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	3.12	2.52	10.13	2.90	6.21	1.98	2.09	2.28	---	2.45	2.76	---
2	3.02	3.38	10.36	2.45	8.14	2.24	2.17	2.16	---	2.36	2.72	---
3	3.65	4.57	8.97	2.69	6.55	2.23	2.13	2.31	---	---	2.59	---
4	2.85	2.78	6.16	2.67	4.42	2.01	2.14	2.08	---	---	2.49	---
5	2.84	2.34	6.04	2.74	4.11	2.20	2.01	1.97	---	---	2.26	---
6	2.78	---	5.67	2.70	3.87	2.29	2.39	2.21	---	---	2.40	---
7	2.81	---	5.12	2.71	3.62	2.53	2.01	2.68	---	---	2.32	---
8	2.87	---	4.75	4.65	3.43	2.10	2.00	2.60	---	---	2.25	---
9	3.09	---	4.47	3.39	3.37	2.12	2.05	2.23	---	---	2.29	3.07
10	3.10	---	3.86	2.80	3.23	2.19	2.12	2.06	---	---	2.31	4.54
11	7.65	---	3.67	2.73	3.22	2.25	2.10	2.23	---	---	2.23	5.83
12	9.74	---	3.59	3.01	3.07	2.12	3.05	2.29	---	---	2.37	5.16
13	9.04	---	3.57	2.97	3.43	2.33	4.83	2.05	---	---	2.33	3.66
14	4.97	---	6.77	2.80	3.07	2.29	3.28	1.93	3.37	---	2.49	3.43
15	3.43	---	6.71	2.69	2.87	2.16	2.58	1.88	3.07	---	2.42	3.31
16	3.09	---	4.22	2.82	2.89	1.87	2.59	1.94	2.94	---	2.54	4.33
17	2.98	---	3.93	3.67	2.76	2.07	2.67	1.93	2.84	---	2.58	3.44
18	2.94	---	3.72	3.13	2.68	2.14	2.83	2.65	2.87	2.29	2.40	3.18
19	2.84	2.37	3.62	3.11	2.63	2.21	2.51	2.22	2.77	2.35	---	3.16
20	2.75	2.39	3.48	4.01	2.68	2.11	2.29	1.94	2.77	2.41	---	3.04
21	2.66	2.52	3.25	3.04	2.43	2.29	2.34	1.95	2.67	2.53	---	3.10
22	2.61	3.47	3.01	2.76	2.28	2.02	2.47	1.89	2.64	2.65	---	3.03
23	2.58	2.97	3.04	2.80	2.49	2.07	2.66	1.89	2.60	3.02	---	2.85
24	2.62	2.72	3.08	5.14	2.20	2.67	2.32	1.89	2.57	2.96	---	2.73
25	2.67	2.68	2.91	8.93	2.22	2.00	2.32	---	2.24	3.41	---	2.62
26	2.71	2.60	2.73	9.94	2.06	2.00	2.29	---	2.39	3.40	---	2.58
27	2.67	2.79	2.68	9.31	2.15	1.99	2.15	---	2.43	2.96	---	2.61
28	2.58	3.05	2.57	5.64	2.38	2.01	2.17	---	2.42	4.75	---	2.54
29	2.48	3.30	2.78	4.68	---	1.95	2.35	---	2.44	3.53	---	2.48
30	2.49	8.33	4.34	4.33	---	1.93	2.35	---	2.39	2.89	---	2.58
31	2.53	---	3.22	5.22	---	1.98	---	---	---	2.77	---	---
MEAN	3.49	---	4.59	3.95	3.37	2.14	2.44	---	---	---	---	---
MAX	9.74	8.33	10.36	9.94	8.14	2.67	4.83	---	---	---	---	---
MIN	2.48	---	2.57	2.45	2.06	1.87	2.00	---	---	---	---	---

MERMENTAU RIVER BASIN

08012020 BAYOU NEZPIQUE AT MAMOU PUMPING PLANT, NEAR BASILE, LA

LOCATION.--Lat 30°25'10", long 92°35'40", in lot 19, T.7 S., R.2 W., Louisiana meridian, Acadia-Jefferson Parish line, Hydrologic Unit 08080201, at Mamou pumping station at head of Mamou Canal, 4.5 mi (7.2 km) south of Basile, and 7.5 mi (12.1 km) downstream from gaging station Bayou Nezpique near Basile (sta 08012000).

DRAINAGE AREA.--542 mi² (1,404 km²).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records March 1945 to September 1973 available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA-77-2: 1974-76 (M).

GAGE.--Nonrecording gage read twice daily. Datum of gage is 1.03 ft (0.314 m) below National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 23.30 ft (7.102 m) Dec. 4, 1977; minimum daily, 2.35 ft (0.716 m) Oct. 28, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 23.30 ft (7.102 m) Dec. 4; minimum daily, 2.44 ft (0.744 m) May 29.

GAGE HEIGHT* IN FEET* WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.70	5.07	21.12	4.76	20.74	3.92	3.71	3.18	2.66	2.88	4.32	18.56
2	3.66	4.78	22.69	4.66	20.65	4.10	3.85	3.12	2.75	2.90	4.00	17.80
3	3.68	7.08	23.16	4.60	20.54	4.24	3.72	3.64	4.62	2.74	3.94	16.00
4	3.80	10.60	23.30	4.54	20.40	4.36	3.48	4.78	10.56	3.16	3.81	15.72
5	3.84	9.75	22.82	4.48	20.08	3.84	3.49	6.18	12.34	3.10	3.58	12.76
6	3.88	9.04	22.10	4.45	19.46	3.40	3.42	4.50	11.44	3.02	3.58	10.55
7	3.94	5.52	21.43	4.42	18.50	3.38	3.70	4.53	11.58	2.98	3.49	7.10
8	3.98	5.04	20.15	4.50	17.48	3.44	3.41	4.25	12.64	2.96	3.36	6.26
9	4.24	4.70	19.02	4.84	15.82	3.46	3.24	4.05	13.52	2.96	3.22	5.65
10	6.10	4.51	18.44	5.11	13.80	3.50	3.24	3.84	14.42	3.09	3.24	5.94
11	8.22	4.40	18.94	5.38	10.40	3.47	3.45	3.58	15.64	3.08	3.24	7.31
12	11.42	4.04	17.58	5.84	7.93	3.46	4.20	3.46	14.30	3.23	3.24	8.83
13	11.58	3.94	16.00	6.44	8.05	3.42	5.21	3.24	13.08	3.96	3.31	10.82
14	9.52	3.71	14.69	7.48	9.01	3.46	5.54	2.94	12.04	3.98	3.84	12.47
15	7.62	3.64	15.97	7.20	10.80	3.43	5.00	2.89	7.51	4.01	4.46	9.68
16	6.46	3.52	16.86	7.32	10.05	3.36	4.40	2.88	5.94	4.02	6.16	6.96
17	5.89	3.36	16.99	8.00	8.08	3.30	4.12	2.76	5.01	3.96	5.12	5.67
18	5.02	3.30	16.78	10.04	7.94	3.23	4.16	5.32	3.94	3.84	4.26	5.88
19	4.39	3.22	15.46	12.24	6.65	3.06	4.12	9.00	3.91	4.04	3.76	6.02
20	4.18	3.58	14.32	---	5.84	3.14	3.98	7.68	3.82	3.97	3.50	6.04
21	3.84	4.50	13.66	---	4.90	3.32	3.42	6.02	3.54	3.92	3.54	5.90
22	3.78	5.54	11.88	14.31	4.55	3.68	3.48	3.76	3.47	4.02	3.44	5.24
23	3.56	7.14	8.88	13.68	4.23	4.17	3.52	3.14	3.35	4.92	3.38	4.72
24	4.42	8.06	6.46	13.80	3.92	5.22	3.41	2.84	3.24	5.80	3.32	4.46
25	7.48	8.18	5.98	16.50	3.70	6.09	3.31	2.74	3.28	6.27	3.20	3.70
26	10.11	7.18	5.80	19.50	3.58	6.24	3.20	2.76	3.28	6.40	3.19	3.62
27	12.98	6.82	5.50	20.83	3.58	6.06	3.24	2.68	3.24	6.50	3.19	3.60
28	14.67	8.50	5.06	20.78	3.69	5.66	3.18	2.60	3.16	6.52	3.24	3.60
29	13.08	11.10	4.81	20.75	---	4.94	3.19	2.44	3.08	6.54	14.47	3.60
30	10.23	18.02	4.84	20.86	---	4.00	3.18	2.50	2.88	6.12	16.12	3.58
31	6.82	---	4.86	20.92	---	3.63	---	2.58	---	5.10	17.78	---
MEAN	6.65	6.26	14.70	---	10.87	4.00	3.75	3.87	7.14	4.19	4.91	7.93
MAX	14.67	18.02	23.30	20.92	20.74	6.24	5.54	9.00	15.64	6.54	17.78	18.56
MIN	3.56	3.22	4.81	4.42	3.58	3.06	3.18	2.44	2.66	2.74	3.19	3.58

08012295 BAYOU QUEUE DE TORTUE SOUTHWEST OF LYONS POINT, LA

LOCATION.--Lat 30°03'08", long 92°25'26", in SW¼SW¼ lot 39, T.11 S., R.1 W., Acadia-Vermilion Parish line, Hydrologic Unit 08080202, on right bank at pumping plant, 0.8 mi (1.3 km) downstream from Coulee des Isles, 3.8 mi (6.1 km) southwest of Lyons Point, and 8.9 mi (14.3 km) northwest of Kaplan.

DRAINAGE AREA.--158 mi² (409 km²).

PERIOD OF RECORD.--March 1976 to current year (gage heights and one discharge measurement).

GAGE.--Water-stage recorder. Datum of gage is 9.89 ft (3.014 m) below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--No gage heights recorded below 12.40 ft (3.780 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.22 ft (6.163 m) Apr. 24, 1977; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.93 ft (5.770 m) June 8; minimum, not determined.

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	12.61	---	17.02	15.22	15.12	12.76	13.58	13.25	13.37	13.73	14.15	16.62
2	12.53	13.64	17.19	14.73	15.83	12.69	13.54	13.33	13.49	13.73	14.02	16.06
3	12.80	14.43	16.64	14.34	15.92	12.77	13.45	13.31	13.60	13.78	13.92	15.42
4	13.42	14.56	15.91	14.04	15.48	12.79	13.55	13.40	14.14	13.79	13.82	15.05
5	13.55	14.33	15.27	13.81	14.97	12.76	13.62	13.30	14.42	13.75	13.70	14.86
6	13.45	14.04	14.75	13.63	14.53	12.71	13.52	13.20	14.63	13.67	13.57	14.61
7	13.30	13.77	14.34	13.52	14.20	12.64	13.43	13.28	17.93	13.58	13.44	14.35
8	13.15	13.55	14.01	14.86	13.98	12.60	13.47	13.94	18.84	14.27	13.31	14.14
9	13.27	13.82	13.75	15.93	13.82	12.52	13.52	14.40	18.88	14.40	13.21	13.98
10	13.56	13.93	13.51	15.78	13.68	12.45	13.44	14.39	18.33	14.39	13.22	14.38
11	14.52	13.78	13.28	15.19	13.58	---	13.55	14.16	17.52	14.35	13.25	15.00
12	16.03	13.60	13.08	14.79	13.53	---	14.34	13.96	17.48	14.30	13.26	15.16
13	16.45	13.39	12.91	14.77	13.68	---	15.20	13.80	17.52	14.24	13.33	14.96
14	16.19	13.18	14.77	14.48	13.67	12.40	15.42	13.62	17.13	14.17	13.37	14.65
15	15.58	12.99	15.27	14.19	13.62	---	15.12	13.46	16.38	14.41	13.42	14.37
16	14.95	12.84	14.99	13.95	13.55	---	14.77	13.28	15.63	14.43	13.42	15.04
17	14.44	12.73	14.62	14.27	13.45	---	14.43	13.14	15.02	14.32	13.47	15.66
18	14.04	12.63	14.28	14.43	13.62	---	14.25	13.50	14.56	14.18	13.45	15.51
19	13.74	12.54	13.98	14.45	15.59	---	14.13	13.85	14.28	14.13	13.62	15.08
20	13.52	12.46	13.77	14.73	13.48	---	14.01	13.88	13.97	14.89	13.59	14.74
21	13.27	12.45	13.57	14.58	13.35	---	13.87	13.97	13.82	15.16	13.51	14.48
22	13.08	13.83	13.38	14.34	13.22	12.63	13.80	13.92	13.66	15.35	13.42	14.23
23	12.91	14.00	13.22	14.29	13.22	12.78	13.76	13.82	13.54	15.41	13.52	14.02
24	12.77	13.91	13.06	14.78	13.15	12.96	13.67	13.72	13.47	15.28	13.43	13.83
25	12.65	13.74	12.92	16.78	13.07	12.40	13.62	13.58	13.46	15.25	13.33	13.64
26	12.60	13.77	12.78	17.64	12.98	13.43	13.52	13.42	13.47	15.09	13.22	13.45
27	12.52	13.63	12.68	17.53	12.89	13.36	13.39	13.32	13.44	14.93	13.12	13.30
28	12.50	14.47	12.62	16.85	12.82	13.22	13.15	13.28	13.63	14.96	13.12	13.18
29	12.46	14.94	12.80	15.98	---	13.24	13.17	13.27	13.69	14.88	14.74	13.12
30	12.40	15.94	15.00	15.26	---	13.32	13.24	13.35	13.73	14.64	16.27	13.05
31	---	---	15.55	14.98	---	13.52	---	13.38	---	14.35	16.74	---
MEAN	---	---	14.22	14.97	13.93	---	13.85	13.60	15.10	14.45	13.71	14.53
MAX	16.45	15.94	17.19	17.64	15.92	13.52	15.42	14.40	18.88	15.41	16.74	16.62
MIN	---	---	12.62	13.52	12.82	---	13.15	13.14	13.37	13.58	13.12	13.05

MERMENTAU RIVER BASIN

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE¼SE¼ sec.21, T.11 S., R.5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi (20.8 km) west of town of Lake Arthur, and 16.8 mi (27.0 km) upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi² (774 km²).

PERIOD OF RECORD.--Annual peaks, water years 1969-74, October 1974 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 7.00 ft (2.134 m) below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft (0.259 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.90 ft (3.627 m) Sept. 16, 1971, present datum; minimum, 7.37 ft (2.301 m), occurred during period Feb. 21 to Mar. 30, 1976 (from recorded range in stage).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.12 ft (3.085 m) Dec. 4; minimum, 7.37 ft (2.246 m) June 2.

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	8.94	8.43	9.90		---	8.02	7.90	8.05	7.49	8.18	8.55	9.64
2	8.86	8.44	10.08		---	8.00	7.95	7.90	7.40	8.14	8.53	9.48
3	8.73	8.43	10.10		---	7.90	8.07	7.88	7.60	8.11	8.43	9.30
4	8.68	8.13	10.07		---	7.83	8.05	7.65	7.82	8.07	8.28	9.16
5	8.71	8.05	10.04		---	8.16	7.98	7.92	7.93	8.03	8.20	9.06
6	8.66	8.18	9.63		9.32	8.28	8.02	8.12	8.16	8.08	8.19	8.94
7	8.70	8.30	9.68		9.30	8.40	7.87	8.38	8.93	8.04	8.16	8.93
8	8.76	8.43	9.80		9.25	7.97	7.85	8.22	9.27	8.01	8.15	8.92
9	8.69	8.46	9.67		9.14	7.90	7.98	7.97	9.36	8.08	8.12	8.90
10	8.78	8.06	---		9.03	8.04	8.14	8.04	9.24	8.09	8.11	9.09
11	9.08	8.12	---		9.02	8.20	7.80	8.16	9.15	8.11	8.10	9.21
12	9.10	8.10	---		9.02	8.13	7.98	8.12	9.16	8.12	8.15	9.27
13	9.10	8.17	---		9.05	8.29	8.15	7.80	9.09	8.17	8.14	9.25
14	9.11	8.22	---		8.84	8.20	8.33	7.68	8.97	8.15	8.16	9.21
15	9.05	8.25	---		8.84	8.12	8.32	7.68	8.85	8.13	8.22	9.12
16	8.87	8.24	---		8.68	7.85	8.35	7.73	8.75	8.10	8.24	9.08
17	8.82	8.17	---		8.70	7.86	8.40	7.79	8.73	8.11	8.22	9.05
18	8.82	8.15	---		8.45	8.00	8.41	8.07	8.72	8.14	8.22	9.08
19	8.68	8.30	---		8.42	8.12	8.27	7.80	8.67	8.14	8.19	9.02
20	8.60	8.28	---		8.50	8.12	8.03	7.70	8.62	8.20	8.13	8.94
21	8.58	8.36	---		8.12	8.08	8.18	7.70	8.52	8.31	8.18	8.93
22	8.60	8.42	---		8.19	7.94	8.26	7.73	8.49	8.55	8.09	8.90
23	8.60	8.50	---		8.14	8.01	8.31	7.68	8.44	8.48	8.18	8.77
24	8.64	8.48	---		8.07	8.12	8.23	7.69	8.38	8.53	8.12	8.64
25	8.55	8.54	---		8.10	7.76	8.10	7.70	8.31	8.55	8.13	8.52
26	8.54	8.50	---		8.01	7.75	7.90	7.62	8.30	8.54	8.15	8.47
27	8.50	8.70	---		8.11	7.90	7.98	7.56	8.25	8.57	8.16	8.52
28	8.41	8.73	---		8.19	7.91	8.03	7.60	8.19	8.73	9.42	8.42
29	8.33	8.87	---		---	7.87	8.15	7.49	8.05	8.76	9.22	8.42
30	8.33	9.48	---		---	7.75	8.15	7.50	8.20	8.70	9.55	8.43
31	8.38	---	---		---	7.84	---	7.46	---	8.61	9.70	---
MEAN	8.72	8.38	---		---	8.01	8.10	7.82	8.50	8.28	8.37	8.96
MAX	9.11	9.48	10.10		---	8.40	8.41	8.38	9.36	8.76	9.70	9.64
MIN	8.33	8.05	---		---	7.75	7.80	7.46	7.40	8.01	8.09	8.42

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°17'59", long 93°11'18", in NW 1/4 sec. 9, T. 9 S., R. 8 W., Calcasieu Parish, Hydrologic Unit 08080206, at bridge on U.S. Highway 171, 5.1 mi (8.2 km) north of Lake Charles Post Office.

DRAINAGE AREA.--2,310 mi² (5,280 km²).

PERIOD OF RECORD.--Water years 1969, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to May 1978.

WATER TEMPERATURES: October 1974 to May 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 17,200 micromhos Oct. 30, 1976; minimum, 32 micromhos Aug. 10, 1975.

WATER TEMPERATURES: Maximum, 35.9°C June 2, 1977; minimum, 7.0°C Jan. 17-22, 1977.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DIS-SOLVED (MG/L AS CaCO3)
OCT 17...	1315	124	7.0	22.0	110	20	5.7	2.2	K160	44	19
NOV 16...	1015	10200	7.5	19.5	40	5	8.6	3.8	K220	<5	1100
DEC 14...	1115	51	5.6	12.5	110	110	8.8	2.8	1600	3800	11
JAN 31...	1100	35	4.9	6.5	70	40	10.9	3.3	180	480	7
FEB 14...	0830	44	5.6	9.0	100	65	10.1	1.8	240	4200	10
MAR 14...	1100	447	6.7	14.5	50	20	9.4	--	<5	4400	49
APR 18...	0845	98	6.8	20.0	240	220	6.1	.4	K60	K20	19
MAY 08...	1300	743	7.2	23.0	120	80	7.6	3.3	120	5000	70
JUN 12...	1230	57	6.2	27.0	80	55	5.2	1.8	K1300	440	11
JUL 11...	1030	77	6.7	31.5	50	10	7.6	--	K85	<5	15
AUG 10...	1220	123	6.8	32.5	60	15	7.7	--	4800	K240	17
SEP 05...	1400	215	6.2	27.0	60	10	6.9	2.1	240	150	23

DATE	HARDNESS, NONCARBONATE, DIS. (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, TOTAL (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 17...	3	5.0	1.7	16	59	1.6	3.4	20	0	16	5.2
NOV 16...	1100	75	220	1800	77	24	74	26	0	21	430
DEC 14...	3	2.5	1.2	4.9	44	.6	2.0	10	0	8	3.8
JAN 31...	5	1.9	.5	2.6	40	.4	1.3	2	0	4	5.1
FEB 14...	4	2.5	.8	4.4	47	.6	1.1	7	0	6	4.4
MAR 14...	36	6.2	8.1	65	73	4.0	3.6	16	0	13	19
APR 18...	1	5.0	1.5	12	55	1.2	2.2	22	0	18	6.3
MAY 08...	50	12	9.7	110	75	5.7	6.2	24	0	20	29
JUN 12...	0	2.9	1.0	5.9	49	.8	1.6	16	0	13	--
JUL 11...	0	3.8	1.3	8.8	54	1.0	1.4	19	0	16	5.6
AUG 10...	0	3.9	1.7	17	64	1.8	2.9	28	0	23	8.5
SEP 05...	5	4.2	3.0	30	69	2.7	5.2	22	0	18	10

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

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

CALCASIEU RIVER BASIN

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)
OCT 17...	24	.1	3.0	89	74	.12	.09	--	--	.44	--
NOV 16...	3200	.2	7.5	6070	5820	8.26	.24	--	--	.75	--
DEC 14...	6.6	.1	8.7	65	35	.09	.13	--	--	.97	--
JAN 31...	4.9	.0	4.0	29	21	.04	.07	.09	1.6	1.7	.95
FEB 14...	6.0	.0	7.4	46	30	.06	.10	.13	.58	.71	.34
MAR 14...	110	.1	15	238	235	.32	.09	.14	1.3	1.4	.91
APR 18...	13	.1	17	95	69	.13	.29	.35	1.2	1.5	.68
MAY 08...	180	.1	19	405	378	.55	.30	.21	1.1	1.3	.84
JUN 12...	6.7	.1	6.1	45	37	.06	.16	.10	3.9	4.0	2.9
JUL 11...	9.5	.1	14	55	55	.07	.06	.01	1.2	1.2	.10
AUG 10...	18	.1	16	87	82	.12	.02	.07	.64	.71	.00
SEP 05...	44	.1	12	127	119	.17	.01	.06	.83	.89	.11

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI- MENT, SUS- PENDE (MG/L)
OCT 17...	--	.53	2.3	.09	--	8.8	--	--	--	74	51
NOV 16...	--	.99	4.4	.07	--	--	--	--	87	99	172
DEC 14...	--	1.1	4.9	.18	--	--	--	--	--	92	93
JAN 31...	.75	1.8	7.8	.06	.04	--	15	--	--	74	38
FEB 14...	.37	.81	3.6	.11	.03	9.9	--	--	--	92	42
MAR 14...	.49	1.5	6.6	.15	.14	5.3	--	--	920	79	80
APR 18...	.82	1.8	7.9	.23	.07	--	--	5.0	--	93	150
MAY 08...	.46	1.6	7.1	.15	.03	7.8	--	--	68	96	738
JUN 12...	1.1	4.2	18	.36	.08	--	--	--	--	92	114
JUL 11...	1.1	1.3	5.6	.05	.03	--	7.6	1.6	--	90	38
AUG 10...	.71	.73	3.2	.10	.06	6.2	--	--	--	90	30
SEP 05...	.78	.90	4.0	.16	.11	11	--	--	--	92	36

CALCASIEU RIVER BASIN

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08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (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)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 17...	1	1	0	--	--	--	<10	<10	0	10
JAN 31...	1	0	1	0	0	0	2	2	0	0
APR 18...	3	2	1	200	100	100	0	0	0	0
JUL 11...	2	0	2	200	0	200	0	0	0	0

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, 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)
OCT 17...	0	10	<50	<50	0	30	14	16	670	520
JAN 31...	0	0	0	0	0	9	2	7	800	660
APR 18...	0	0	1	1	0	11	7	4	4800	4400
JUL 11...	0	0	0	0	0	6	3	3	870	350

DATE	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)	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 17...	150	<100	<62	38	80	10	70	.0	.0	.0
JAN 31...	140	24	22	2	50	20	30	.0	.0	.0
APR 18...	420	8	5	3	190	90	100	.0	.0	.0
JUL 11...	520	4	2	2	20	20	0	.1	.0	.1

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (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)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 17...	0	0	0	--	--	--	40	0	40
JAN 31...	1	1	0	0	0	0	30	10	20
APR 18...	0	0	0	0	0	0	20	20	0
JUL 11...	0	0	0	0	0	0	10	0	10

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

CALCASIEU RIVER BASIN

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ATRA- ZINE, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
NOV 16...	1020	ND	ND	ND	ND	ND	ND	ND
FEB 14...	0840	ND	ND	--	ND	ND	ND	ND

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
NOV 16...	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	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)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 16...	ND	ND	ND	ND	ND	ND	ND	ND
FEB 14...	ND	ND	ND	ND	ND	--	--	--

ND Material specifically analyzed for but not detected.

CALCASIEU RIVER BASIN

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08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	708	---	165	71	66	51	74	184				
2	703	151	144	71	66	84	74	449				
3	567	103	126	71	42	56	74	185				
4	564	81	127	68	46	---	77	247				
5	824	84	39	70	40	64	74	291				
6	810	---	40	75	35	66	72	291				
7	776	79	39	75	58	68	71	---				
8	778	71	34	95	39	93	72	---				
9	776	73	81	94	39	77	74	---				
10	546	68	79	76	49	77	76	---				
11	535	75	81	96	53	74	90	---				
12	539	79	54	97	54	73	88	---				
13	138	76	54	95	40	77	86	---				
14	132	68	76	77	65	81	92	---				
15	130	67	65	78	60	74	96	---				
16	133	72	60	77	48	103	98	---				
17	131	75	56	74	47	76	103	---				
18	130	110	56	84	48	77	104	---				
19	142	97	36	86	48	73	105	---				
20	143	97	41	85	---	73	106	---				
21	131	98	35	84	50	72	119	---				
22	123	439	39	88	51	71	110	---				
23	126	367	39	86	55	70	180	---				
24	127	413	43	58	52	75	180	---				
25	---	317	44	91	55	75	181	---				
26	379	196	45	83	53	75	180	---				
27	610	198	55	81	49	81	179	---				
28	78	154	57	83	51	78	185	---				
29	77	97	71	65	---	76	619	---				
30	77	97	71	63	---	81	618	---				
31	76	---	70	63	---	83	---	---				
MONTH	367	139	65	80	50	75	142	---				

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

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

CALCASIEU RIVER BASIN

08015900 CALCASIEU RIVER NEAR LAKE CHARLES, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NOV. 16, 1977 1015 HOURS

PHYTOPLANKTON 87 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	9	10
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	35	40
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCCOCCALES		
...CHROCCOCCAEAE		
....ANACYSTIS	43	50

MAY 8, 1978 1300 HOURS

PHYTOPLANKTON 68 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTELLA	27	40
..PENNALES		
...GOMPHONEMACEAE		
....GOMPHONEMA	14	20
...NAVICULACEAE		
....NAVICULA	14	20
...NITZSCHIAEAE		
....NITZSCHIA	14	20

Mar. 14, 1978 1100 HOURS

PHYTOPLANKTON 920 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	110	13
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...NAVICULACEAE		
....NAVICULA	110	13
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCCOCCALES		
...CHROCCOCCAEAE		
....ANACYSTIS	690	75

CALCASIEU RIVER BASIN

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08016800 BEAR HEAD CREEK NEAR STARKS, LA

LOCATION.--Lat 30°19'59", long 93°37'44", in sec.30, T.8 S., R.12 W., Calcasieu Parish, Hydrologic Unit 08080205, near right bank on downstream side of bridge on State Highway 12, 2.4 mi (3.9 km) northeast of Starks, and 3.5 mi (5.6 km) downstream from Green Island Marsh Creek.

DRAINAGE AREA.--177 mi² (458 km²).

PERIOD OF RECORD.--Annual maximums, water years 1954-56. March 1956 to current year.

REVISED RECORDS.--WSP 2122: 1958 (M).

GAGE.--Water-stage recorder. Datum of gage is 16.34 ft (4.980 m) National Geodetic Vertical Datum of 1929. Oct. 13, 1953, to Mar. 8, 1956, crest-stage gage at site 100 ft (30 m) downstream at same datum.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Records of water temperature for water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years, 228 ft³/s (6.457 m³/s), 17.49 in/yr (444 mm/yr), 165,200 acre-ft/yr (204 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft³/s (317 m³/s) Oct. 28, 1970, gage height, 17.63 ft (5.374 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,560 ft³/s (129 m³/s) Jan. 26, gage height, 15.55 ft (4.740 m); minimum, no flow many days.

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	1.9	11	2600	64	260	54	12	.36	0	0	2.2	60
2	1.7	91	2400	77	175	52	9.7	.32	0	0	1.8	31
3	1.7	230	2300	70	400	49	8.2	.50	2.1	0	1.1	13
4	1.2	381	660	59	780	45	7.1	.55	7.6	0	.50	7.4
5	.96	320	90	52	700	42	6.3	.40	1.3	0	.22	3.6
6	.78	169	50	45	180	40	5.6	.45	131	0	.18	25
7	.65	63	45	41	190	38	5.0	.50	696	0	.36	68
8	1.1	35	40	42	160	35	4.5	.60	946	0	.25	76
9	1.7	63	35	47	150	32	4.1	.50	724	0	.15	42
10	1.8	160	30	59	145	24	4.0	.55	291	0	.09	18
11	42	280	25	70	120	22	4.3	.60	148	0	.03	12
12	129	248	22	147	100	24	5.0	.50	143	0	0	6.9
13	302	128	110	269	110	20	5.7	.36	142	0	0	4.0
14	380	49	1000	418	200	21	5.5	.20	189	0	0	2.5
15	257	28	1200	371	360	21	6.0	.16	50	0	0	1.9
16	77	22	1160	261	350	19	8.6	.12	35	.07	0	1.6
17	27	17	1100	395	260	16	7.6	.12	16	0	0	1.1
18	14	13	946	717	210	14	6.0	.10	8.1	0	0	.91
19	8.9	11	795	831	180	13	4.4	.07	4.4	0	1.1	.69
20	5.9	10	652	838	170	11	3.2	.11	2.1	0	.97	1.0
21	3.9	33	357	833	165	10	2.3	.09	1.3	.18	.65	.73
22	2.8	129	140	732	130	9.3	1.9	.01	.82	.14	.44	.45
23	11	371	62	591	95	8.8	1.7	0	.45	.36	.28	.31
24	22	473	44	1290	78	10	1.3	0	.22	.32	.17	.35
25	20	392	35	3290	70	27	1.2	0	.15	.11	.10	.86
26	77	230	29	4200	64	81	1.0	0	.10	.01	.03	.82
27	132	114	23	3700	60	80	.82	0	.07	0	0	.66
28	70	124	22	2700	58	60	.70	0	.04	.13	.74	.65
29	33	296	36	1500	---	37	.55	0	.01	.40	4.0	.73
30	18	2000	51	830	---	23	.50	0	.02	.32	43	.68
31	11	---	57	450	---	16	---	0	---	1.7	67	---
TOTAL	1656.99	6491	16116	24989	5920	954.1	134.77	7.17	3539.78	3.74	125.36	382.84
MEAN	53.5	216	520	806	211	30.8	4.49	.23	118	.12	4.04	12.8
MAX	380	2000	2600	4200	780	81	12	.60	946	1.7	67	76
MIN	.65	10	22	41	58	8.8	.50	0	0	0	0	.31
CFSM	.30	1.22	2.94	4.55	1.19	.17	.03	.001	.67	0	.02	.07
IN.	.35	1.36	3.39	5.25	1.24	.20	.03	.002	.74	.0008	.03	.08
AC-FT	3290	12870	31970	49570	11740	1890	267	14	7020	7.4	249	759
CAL YR 1977	TOTAL	64508.48	MEAN 177	MAX 2600	MIN 0	CFSM 1.00	IN 13.56	AC-FT 128000				
WTR YR 1978	TOTAL	60320.75	MEAN 165	MAX 4200	MIN 0	CFSM .93	IN 12.68	AC-FT 119600				

CALCASIEU RIVER BASIN

08016800 BEAR HEAD CREEK NEAR STARKS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.48	7.94	---	9.20		---	7.96	7.33	6.99	7.16	7.69	9.31
2	7.46	9.65	---	9.45		---	7.88	7.32	6.99	7.13	7.64	8.65
3	7.46	10.95	---	9.32		---	7.82	7.36	7.45	7.10	7.54	8.16
4	7.40	11.53	---	9.10		---	7.78	7.38	7.97	7.07	7.45	7.95
5	7.35	11.35	---	8.95		---	7.74	7.35	7.58	7.04	7.37	7.76
6	7.32	10.56	---	8.80		---	7.71	7.36	9.52	7.02	7.34	8.41
7	7.29	9.16	---	8.70		---	7.68	7.38	12.23	6.99	7.41	9.50
8	7.37	8.56	---	8.74		---	7.66	7.39	12.67	6.97	7.37	9.65
9	7.46	9.15	---	8.83		---	7.64	7.39	12.28	6.96	7.31	8.90
10	7.47	10.51	---	9.10		---	7.63	7.41	11.43	6.97	7.25	8.31
11	8.65	11.22	---	9.31		---	7.65	7.42	10.77	6.97	7.19	8.12
12	10.17	11.09	---	10.37		---	7.68	7.41	10.63	7.02	7.15	7.92
13	11.28	10.15	---	11.16		---	7.71	7.37	10.69	7.00	7.11	7.78
14	11.53	8.87	---	11.63		---	7.71	7.33	11.03	6.97	7.07	7.68
15	11.08	8.40	13.02	11.50		8.22	7.73	7.29	10.07	6.98	7.05	7.62
16	9.39	8.26	12.98	11.15		8.15	7.85	7.26	8.77	7.22	7.02	7.59
17	8.38	8.15	12.91	11.56		8.08	7.82	7.26	8.29	7.11	6.99	7.53
18	8.07	8.04	12.67	12.27		8.03	7.75	7.24	8.01	7.05	6.98	7.48
19	7.89	7.97	12.42	12.49		7.99	7.68	7.22	7.83	7.03	7.51	7.44
20	7.76	7.94	12.15	12.50		7.94	7.61	7.25	7.68	7.12	7.49	7.50
21	7.67	8.49	11.44	12.49		7.90	7.56	7.25	7.58	7.34	7.42	7.45
22	7.59	10.14	10.28	12.30		7.87	7.52	7.17	7.51	7.29	7.36	7.36
23	7.85	11.49	9.15	12.02		7.85	7.50	7.11	7.43	7.39	7.30	7.31
24	8.26	11.77	8.77	13.08		7.90	7.47	7.06	7.36	7.40	7.24	7.32
25	8.21	11.56	8.58	14.92		8.33	7.45	7.02	7.31	7.27	7.20	7.47
26	9.39	10.98	8.43	---		9.51	7.43	6.99	7.26	7.17	7.16	7.47
27	10.26	10.04	8.31	---		9.51	7.40	6.96	7.23	7.13	7.12	7.43
28	9.30	10.17	8.26	---		9.12	7.38	6.94	7.20	7.26	7.34	7.43
29	8.53	10.87	8.59	---		8.59	7.36	6.98	7.17	7.42	7.77	7.45
30	8.17	---	8.92	---		8.26	7.35	7.05	7.18	7.40	8.91	7.43
31	7.96	---	9.05	---		8.08	---	7.02	---	7.63	9.48	---
MEAN	8.43	---	---	---		---	7.64	7.23	8.74	7.15	7.43	7.91
MAX	11.53	---	---	---		---	7.96	7.42	12.67	7.63	9.48	9.65
MIN	7.29	7.94	---	8.70		---	7.35	6.94	6.99	6.96	6.98	7.31

08017015 HOUSTON RIVER NEAR BUHLER, LA

LOCATION.--Lat 30°17'24", long 93°21'20", in SE¼ sec.11, T.8 S., R.9 W., Louisiana Meridian, Calcasieu Parish, Hydrologic Unit 08080205, at bridge on State Highway 27 and 3.0 mi (4.8 km) south of Buhler.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-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)
NOV 16...	1115	153	6.1	17.5	130	35	7.4	2.2	50	340	26	21
FEB 14...	0900	52	4.9	9.0	130	40	8.4	--	760	K2200	11	9
APR 18...	1005	118	6.3	23.0	60	30	6.5	1.3	600	<5	15	5
MAY 08...	1515	223	6.5	26.0	80	20	8.1	3.7	K100	400	20	4
JUN 12...	1500	37	5.6	26.0	60	20	5.0	4.4	K720	320	8	3
JUL 11...	1245	216	6.9	32.5	40	10	8.5	--	700	150	27	9
AUG 10...	1040	79	6.5	30.0	70	15	7.0	--	290	--	14	4
SEP 05...	1300	58	5.6	28.0	80	9	7.6	7.0	K20	220	11	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 16...	5.5	2.9	21	62	1.8	1.7	6	0	5	8.6	37
FEB 14...	3.0	.9	4.8	46	.6	.7	3	0	2	6.3	7.3
APR 18...	3.0	1.7	15	67	1.7	1.2	12	0	10	7.2	21
MAY 08...	5.1	1.8	32	76	3.1	1.5	19	0	16	8.9	46
JUN 12...	2.5	.4	3.0	41	.5	1.1	6	0	5	5.8	3.7
JUL 11...	6.8	2.5	31	70	2.6	1.2	22	0	18	9.0	46
AUG 10...	3.7	1.2	9.3	56	1.1	1.4	13	0	11	6.0	15
SEP 05...	2.8	.9	5.8	49	.8	1.9	10	0	8	5.6	7.1

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 N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 16...	.1	6.3	117	86	.16	.09	.68	.77	3.4	.05	--
FEB 14...	.0	3.8	53	28	.07	.17	1.1	1.3	5.6	.07	11
APR 18...	.0	5.8	93	61	.13	.05	1.1	1.2	5.1	.07	--
MAY 08...	.1	8.1	128	113	.17	.05	1.1	1.2	5.1	.09	--
JUN 12...	.1	3.7	35	23	.05	.07	.76	.83	3.7	.07	--
JUL 11...	.1	8.5	131	116	.18	.01	1.3	1.3	5.8	.05	13
AUG 10...	.1	3.5	73	47	.10	.02	1.1	1.1	5.0	.05	--
SEP 05...	.0	4.6	52	34	.07	.02	1.6	1.6	7.2	.09	--

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

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

CALCASIEU RIVER BASIN

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
FEB 14...	1	5	0	0	40	0	5	2	130	2700	0	0
JUL 11...	1	--	2	--	--	0	12	--	330	--	6	--

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
FEB 14...	70	2200	.0	.0	10	150	.00	5	.0	2	.00	
JUL 11...	20	--	.3	--	10	--	--	--	--	--	--	--

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
FEB 14...	.00	.0	.0	5	.00	.8	.00	1.1	.00	.0	.00
JUL 11...	--	--	--	--	--	--	--	--	--	--	--

DATE	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)	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)
FEB 14...	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00	.0
JUL 11...	--	--	--	--	--	--	--	--	--	--	--

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)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
FEB 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0
JUL 11...	--	--	--	--	--	--	--	--	--	--	--

DATE	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)
FEB 14...	0	0	.00	.0	.00	.00	.00

CALCASIEU RIVER BASIN

223

301513093130500 CALCASIEU RIVER EAST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73472)

LOCATION.--Lat 30°15'13", long 93°13'05", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, in navigation channel on east side of structure, 1.8 mi (2.9 km) north of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 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, 31.5°C Aug. 10, 11, 1977; minimum daily, 6.0°C Jan. 22, 23, 1978.

CHLORIDE: Maximum daily, 11,000 mg/L Nov. 9, 18, 1977; minimum daily, 4.4 mg/L May 7, 14, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.0°C July 13, 18; minimum daily, 6.0°C Jan. 22, 23.

CHLORIDE: Maximum daily, 9,800 mg/L May 13; minimum daily, 4.6 mg/L Dec. 22.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	22.0	16.0	12.0	8.0	12.0	18.0	23.0	27.5	28.0	27.5	27.0
2	28.0	21.0	15.5	11.0	8.0	12.0	18.0	22.0	27.5	28.5	28.0	28.0
3	27.0	20.0	16.0	10.5	7.0	10.5	18.5	22.0	27.5	28.5	28.0	27.0
4	26.0	19.0	16.5	10.5	7.5	10.0	20.0	22.0	27.0	28.5	28.0	27.0
5	26.0	20.0	17.0	11.5	7.0	12.0	20.0	23.0	28.0	28.5	28.0	28.0
6	26.0	20.0	16.0	13.0	7.5	10.5	---	23.0	28.5	27.0	28.0	28.0
7	26.0	20.0	15.0	12.0	7.5	12.0	20.0	23.5	28.0	28.5	29.0	28.0
8	26.5	20.5	15.0	12.5	7.0	14.0	24.0	23.5	28.5	29.0	29.0	28.0
9	25.0	20.0	15.5	11.5	9.0	13.0	25.0	23.5	28.5	29.5	29.0	27.0
10	24.0	18.0	14.5	13.0	9.0	12.0	19.0	23.0	28.5	30.0	29.0	28.0
11	24.5	19.0	13.5	12.0	9.0	12.5	25.0	24.0	28.0	29.5	28.0	26.0
12	23.0	19.0	13.5	12.0	9.0	12.5	21.5	23.5	28.5	30.0	28.0	26.5
13	21.0	18.5	13.0	10.0	9.5	14.5	20.0	24.0	28.0	31.0	28.0	27.0
14	22.0	18.5	14.0	9.5	10.0	14.5	20.0	24.5	28.0	30.0	28.0	27.0
15	22.0	18.0	14.0	10.0	9.5	14.0	20.0	24.0	28.0	29.0	28.5	26.5
16	21.0	18.0	14.5	9.0	10.5	14.5	20.0	25.0	28.5	29.5	28.5	26.5
17	20.0	18.0	15.0	9.0	11.0	17.0	20.0	25.0	27.0	30.0	28.0	26.5
18	20.0	18.0	15.5	9.0	10.0	15.0	20.0	25.0	27.0	31.0	29.5	26.0
19	21.0	18.0	15.0	8.0	10.0	15.5	20.5	25.0	27.0	30.0	29.5	27.0
20	20.0	18.0	14.5	7.0	10.0	15.5	21.0	26.0	27.5	29.0	29.5	27.0
21	19.0	18.5	13.5	6.5	10.0	17.0	21.0	26.5	27.0	30.0	29.5	27.0
22	21.0	18.0	14.0	6.0	8.0	17.0	21.0	27.0	28.0	29.5	30.0	28.0
23	21.0	18.0	12.0	6.0	9.5	17.0	21.0	27.0	28.0	28.5	30.0	28.5
24	22.0	18.0	12.0	7.0	9.5	17.0	22.0	27.0	28.0	28.0	30.5	28.0
25	21.0	17.5	12.5	9.5	10.0	17.0	21.0	27.0	28.0	28.5	30.5	25.5
26	22.0	17.0	12.0	10.5	10.5	17.0	20.0	27.0	28.0	28.5	30.5	28.0
27	22.0	18.0	13.0	10.5	11.0	17.0	21.0	27.0	28.0	28.5	30.0	28.0
28	21.5	18.5	11.5	9.0	12.0	17.0	22.0	27.0	28.0	28.0	30.0	28.0
29	21.5	18.5	11.0	9.0	---	18.0	22.0	27.0	28.0	28.0	27.5	25.0
30	21.0	18.0	12.0	9.0	---	16.0	---	27.0	28.0	27.5	25.5	25.0
31	20.5	---	12.0	8.0	---	18.0	---	27.0	---	28.0	27.0	---
MONTH	23.0	19.0	14.0	10.0	9.0	14.5	21.0	25.0	28.5	29.0	28.5	27.0
YEAR	MAX	31.0	MIN	6.0	MEAN	20.5						

CALCASIEU RIVER BASIN

301513093130500 CALCASIEU RIVER EAST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73472)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2300	160	37	110	30	75	1200	2700	3800	300	100	150
2	1000	340	22	72	25	120	850	3500	3300	130	150	140
3	670	250	13	58	52	1000	580	1500	3000	600	190	500
4	960	190	19	100	88	320	45	1300	1800	150	120	520
5	1400	150	21	80	120	320	50	1100	2000	120	100	630
6	1800	72	12	110	45	1400	---	1600	400	180	370	370
7	1800	44	12	1400	45	280	30	1600	320	140	250	100
8	2900	91	12	1500	85	1800	27	3400	100	170	1500	100
9	2800	120	9.6	350	20	2100	22	2800	130	98	600	210
10	1100	180	36	46	38	2900	190	2300	28	300	430	150
11	2100	320	25	320	22	250	36	2400	70	4800	300	320
12	1200	2000	23	5300	25	300	75	3300	58	400	480	220
13	420	400	86	310	22	250	63	9800	58	800	350	380
14	2400	2100	24	120	38	150	74	6100	55	500	200	280
15	190	500	18	110	35	250	66	7000	50	300	140	440
16	92	4300	6.0	22	20	200	60	3400	65	180	200	1300
17	260	1700	5.2	100	55	120	190	2600	31	160	170	480
18	110	220	5.2	140	25	150	86	4300	34	470	2200	1300
19	490	180	4.6	34	22	250	280	4000	25	480	120	650
20	1100	480	6.0	37	78	3200	87	3800	68	310	37	850
21	1100	770	8.0	32	68	220	45	3400	32	900	5200	1200
22	900	260	4.6	36	60	180	1000	3400	120	2400	4200	650
23	1800	440	50	24	25	120	1400	3100	640	360	160	350
24	1100	310	48	32	30	3100	4300	3600	750	200	1200	180
25	5000	260	46	18	13	2000	600	5100	110	1000	1100	220
26	4000	230	29	18	14	200	180	3700	120	1200	1400	210
27	170	2300	---	14	14	200	360	2900	490	1200	1600	360
28	270	940	94	20	15	250	3000	2600	720	220	2400	300
29	180	340	37	10	---	50	100	1500	340	230	4700	860
30	120	100	41	15	---	50	2800	4400	2500	130	1000	4200
31	170	---	65	16	---	42	---	3900	---	130	280	---
MONTH	1300	660	27	340	40	700	610	3400	710	600	1000	590
YEAR	MAX	9800	MIN	4.6	MEAN	840						

CALCASIEU RIVER BASIN

225

301513093130600 CALCASIEU RIVER WEST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73473)

LOCATION.--Lat 30°15'13", long 93°13'06", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, in navigation channel on west side of structure, 1.8 mi (2.9 km) north of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 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, 31.0°C Aug. 10, 11, 1977; minimum daily, 6.0°C Jan. 22, 1978.

CHLORIDE: Maximum daily, 17,000 mg/L Oct. 6, 1975; minimum daily, 4.2 mg/L Dec. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.5°C Aug. 24, 25, 26; minimum daily, 6.0°C Jan. 22.

CHLORIDE: Maximum daily, 11,000 mg/L Nov. 19; minimum daily, 4.2 mg/L Dec. 19.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	23.0	17.0	13.0	8.0	11.0	18.0	23.0	27.5	28.0	28.0	27.0
2	28.0	22.0	15.5	12.5	8.0	11.0	18.0	22.0	27.0	28.5	28.0	28.0
3	28.0	21.5	15.0	12.0	7.0	10.5	18.5	22.0	27.5	28.5	29.0	27.0
4	28.5	20.0	16.5	11.5	7.5	10.0	20.0	22.0	25.0	28.5	28.0	27.0
5	28.5	20.0	17.0	13.0	7.0	12.0	19.0	23.0	27.0	28.5	28.0	28.0
6	28.5	20.0	16.0	12.0	7.5	10.5	---	23.0	25.5	28.0	28.0	28.0
7	27.5	21.5	15.0	13.0	7.5	12.0	20.5	23.0	25.0	29.0	29.0	28.0
8	27.0	22.0	15.0	13.0	7.0	---	24.0	23.0	24.5	29.0	29.0	28.0
9	26.0	21.5	15.5	12.0	9.0	13.0	25.0	23.0	25.0	29.0	29.0	27.0
10	26.0	19.0	14.5	13.0	9.0	12.0	20.0	23.0	25.5	29.0	29.0	28.0
11	26.0	19.0	13.5	12.0	9.0	13.0	25.0	24.0	25.0	30.0	28.0	26.0
12	29.0	19.0	13.5	12.0	9.0	12.5	22.0	23.5	25.5	29.0	28.0	26.5
13	21.0	18.5	13.5	10.5	9.5	14.5	22.0	24.0	25.0	29.0	28.0	27.0
14	23.0	18.5	14.0	10.0	10.0	14.0	20.0	24.5	25.0	29.0	28.0	27.0
15	22.0	20.0	14.0	10.0	10.5	14.0	20.0	24.0	26.0	29.0	28.5	26.5
16	21.0	20.0	14.5	10.0	10.5	14.5	20.0	25.0	26.5	28.0	28.5	26.5
17	23.0	19.0	15.5	10.0	11.0	16.5	21.0	25.0	27.0	29.0	28.0	26.5
18	21.0	18.5	15.5	9.5	10.0	15.5	20.5	25.0	27.0	30.0	29.5	26.0
19	20.0	21.0	15.5	9.0	10.0	15.5	20.5	25.0	27.0	29.5	29.5	27.0
20	19.0	20.0	14.5	7.5	10.0	16.0	21.0	26.0	27.5	28.5	29.5	27.0
21	20.0	24.0	14.0	7.0	10.0	17.0	21.0	26.5	27.5	28.5	29.5	27.0
22	21.0	18.0	14.0	6.0	8.5	17.0	21.5	26.5	27.5	28.5	30.0	28.0
23	22.0	18.5	12.5	7.0	9.5	17.0	22.0	27.0	25.0	28.0	30.0	28.5
24	22.0	18.5	13.0	7.0	9.5	16.5	21.0	27.0	28.0	28.0	30.5	28.0
25	22.0	18.0	12.5	9.5	10.0	17.0	21.0	27.0	28.0	28.0	30.5	25.5
26	21.5	18.0	13.0	11.0	10.5	16.5	19.5	27.0	25.0	28.0	30.5	28.0
27	22.0	19.0	13.0	10.5	11.0	16.5	20.5	27.0	28.0	28.5	30.0	28.0
28	22.5	18.5	13.0	9.0	11.0	17.0	22.0	27.0	25.0	28.5	30.0	28.0
29	22.0	18.5	13.0	9.0	---	17.0	22.0	27.0	25.0	28.0	27.5	25.0
30	23.0	18.0	13.0	9.0	---	17.0	22.0	27.0	25.0	28.0	25.5	25.0
31	22.5	---	13.0	8.0	---	18.0	---	27.0	---	28.5	27.0	---
MONTH	24.0	20.0	14.5	10.5	9.0	14.5	21.0	25.0	25.5	28.5	29.0	27.0
YEAR	MAX	30.5	MIN	6.0	MEAN	21.0						

CALCASIEU RIVER BASIN

301513093130600 CALCASIEU RIVER WEST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73473)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4900	2800	42	6000	30	2700	1300	2400	2000	3600	2000	1200
2	1000	5700	19	4500	58	4000	920	2700	5400	2300	3200	2700
3	2700	2400	12	5700	48	1300	280	3500	4400	---	2600	3000
4	5500	2200	13	3000	92	1200	180	1800	4000	---	3200	3200
5	6800	170	25	6300	120	1300	180	4600	1000	---	4600	4300
6	7900	4600	59	5300	45	1500	---	1300	2600	---	5200	4300
7	8300	7200	11	1300	100	1600	1600	6600	420	---	7100	4200
8	8100	9400	9.2	1600	90	1900	1900	5000	110	---	8700	4000
9	3400	7000	12	2000	20	2300	1500	5200	100	---	8800	5800
10	9200	2400	42	70	40	3600	2000	5200	80	---	8300	6100
11	9100	3200	18	4400	22	2400	1800	5500	70	450	7000	5000
12	1400	2000	22	5400	25	2700	2000	4600	80	5400	6800	3800
13	440	2500	88	---	30	200	3400	3200	80	6800	7000	3200
14	3900	4400	19	---	40	2900	4000	4200	70	6200	5800	1700
15	4100	6600	17	---	35	3000	3500	6400	55	5800	6200	500
16	1700	6700	5.6	---	20	2500	4500	6000	50	4600	5700	950
17	800	5300	5.6	650	70	3800	4300	7000	290	5700	5500	460
18	170	3300	5.8	1300	20	4800	4700	7800	560	6600	5600	1300
19	1200	11000	4.2	1000	20	4900	3700	6800	800	6600	290	700
20	1900	9200	6.0	250	440	3100	3500	7000	1100	5100	120	800
21	5500	8600	7.4	650	70	3500	3300	6600	70	7400	480	1200
22	1300	6600	6.6	76	180	3900	5600	5500	940	3500	3100	3200
23	7000	4800	51	---	700	120	6200	5000	2100	5000	110	3800
24	7500	5100	69	30	530	3000	6400	5300	760	290	1700	4200
25	6400	4300	530	21	15	2600	5000	3700	600	1000	7400	4600
26	---	4100	420	20	14	2200	5400	5600	500	1200	8200	5300
27	3400	7500	1200	14	3100	4100	5800	3000	480	750	8400	5400
28	3000	2400	2600	30	4000	3400	3000	2700	700	2200	8400	5800
29	2600	1300	6800	16	---	3800	---	2100	250	2200	7100	7200
30	3300	100	540	14	---	3300	2500	5800	60	2000	1100	8200
31	4100	---	4000	20	---	3700	---	4400	---	2100	350	---
MONTH	4200	4800	540	1900	360	2800	3200	4700	990	---	4800	3500
YEAR	MAX	11000	MIN	4.2	MEAN	3000						

CALCASIEU RIVER BASIN

227

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)

LOCATION.--Lat 30°14'32", long 93°13'57", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, 5.0 mi (8.0 km) east of Lake Charles.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L CaCO3)
OCT 26...	1045	9680	7.0	15	50	3.9	140	2.3	--	--	1000	960
NOV 15...	0945	11600	6.8	40	9	--	77	--	K400	K11	1300	1200
DEC 19...	0940	36	6.5	80	30	6.4	29	1.7	400	94	7	1
JAN 26...	1300	62	6.3	100	60	9.0	24	2.4	4200	560	12	5
FEB 17...	1320	81	6.5	120	45	9.6	10	2.3	640	120	12	0
MAR 17...	1300	305	6.8	50	35	--	15	--	80	K18	--	--
APR 20...	1330	188	6.7	120	170	6.4	44	1.0	K16	K18	20	2
MAY 24...	1200	884	7.1	60	35	6.4	26	.8	K20	K2	140	110
JUN 21...	1200	118	6.4	70	5	5.1	37	2.3	K300	K16	130	120
JUL 17...	1315	157	7.3	40	10	7.4	23	3.1	K600	--	17	0
SEP 01...	1250	473	6.6	50	15	6.6	24	1.2	520	K25	54	30
13...	1350	658	6.9	60	10	5.0	16	3.2	2800	110	63	38

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)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 26...	71	210	--	--	--	--	50	0	41	8.0	430	3200
NOV 15...	83	260	--	--	--	--	59	0	48	15	530	3900
DEC 19...	1.8	.7	5.2	55	.8	1.6	8	0	7	4.1	4.7	5.0
JAN 26...	3.1	1.0	7.3	54	.9	1.5	9	0	7	7.2	6.6	10
FEB 17...	3.1	1.0	8.7	59	1.1	1.2	15	0	12	7.6	8.2	9.1
MAR 17...	--	--	--	--	--	--	16	0	13	4.1	--	--
APR 20...	5.0	1.8	19	62	1.8	4.5	22	0	18	7.0	21	25
MAY 24...	12	26	210	75	7.8	9.4	28	0	23	3.6	52	360
JUN 21...	--	--	--	75	76	--	15	0	12	9.6	--	--
JUL 17...	3.8	1.8	21	69	2.2	2.5	26	0	21	2.1	52	320
SEP 01...	9.3	7.4	64	70	3.8	5.7	29	0	24	12	17	110
13...	7.1	11	92	74	5.0	7.0	30	0	25	6.0	28	160

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

CALCASIEU RIVER BASIN

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	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)
OCT 26...	18	<1.0	.12	.01	.13	.73	.12	1	0	1	0	0
NOV 15...	15	<1.0	.11	.01	.12	.40	.11	2	1	1	0	0
DEC 19...	46	<1.0	.07	.01	.08	.53	.06	1	0	1	0	0
JAN 26...	112	<1.0	.10	.02	.12	.21	.14	1	0	1	0	0
FEB 17...	38	<1.0	.15	.02	.17	.58	.07	1	0	1	10	10
MAR 17...	9	<1.0	.10	.02	.12	.09	.13	11	10	1	0	0
APR 20...	40	<1.0	.26	.08	.34	1.9	.22	3	2	1	0	0
MAY 24...	17	<1.0	.12	.02	.14	.39	.12	1	1	0	0	0
JUN 21...	13	<1.0	.01	.01	.02	.62	.09	1	0	1	0	0
JUL 17...	13	<1.0	.00	.01	.01	.48	.08	3	1	2	10	0
SEP 01...	18	<1.0	.08	.01	.09	.73	.19	4	2	2	0	0
13...	11	<1.0	.04	.01	.05	.75	.16	2	1	1	0	0

DATE	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, 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)
OCT 26...	0	10	9	1	4	0	<10	<5	5	70	<100	<99
NOV 15...	0	2	0	2	4	0	6	2	4	100	3	1
DEC 19...	0	0	0	0	0	0	5	1	4	290	2	1
JAN 26...	0	0	0	0	20	0	19	18	1	110	7	7
FEB 17...	0	0	0	0	30	0	59	29	30	260	2	2
MAR 17...	0	1	0	1	0	0	1	0	1	60	6	2
APR 20...	0	4	0	4	0	0	13	0	13	910	11	7
MAY 24...	0	0	0	0	0	0	5	2	3	210	3	3
JUN 21...	0	1	1	0	0	0	6	1	5	260	2	2
JUL 17...	10	2	0	2	10	0	8	6	2	360	16	14
SEP 01...	0	0	0	0	10	0	5	0	5	530	0	0
13...	0	1	1	0	0	0	3	0	3	300	3	2

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

CALCASIEU RIVER BASIN

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301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (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)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 26...	1	.0	.0	.0	50	49	1	0	0	0	--
NOV 15...	2	.0	.0	.0	4	3	1	1	0	1	--
DEC 19...	1	.0	.0	.0	4	2	2	0	0	0	2.2
JAN 26...	0	.1	.1	.0	5	5	0	0	0	0	1.0
FEB 17...	0	1.0	1.0	.0	1	0	1	0	0	0	2.0
MAR 17...	4	.0	.0	.0	2	0	2	0	0	0	15
APR 20...	4	.0	.0	.0	2	1	1	0	0	0	2.0
MAY 24...	0	.1	.1	.0	2	2	0	0	0	0	--
JUN 21...	0	.0	.0	.0	5	5	0	0	0	0	1.0
JUL 17...	2	.1	.1	.0	6	3	3	0	0	0	.0
SEP 01...	0	.0	.0	.0	1	1	0	0	0	0	--
13...	1	.0	.0	.0	3	3	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 26...	30	0	30	9.7	.00	2	0	.0	.00	.000	.0	.000
NOV 15...	30	0	30	--	.00	0	0	.0	.00	.000	.0	.000
DEC 19...	--	--	40	10	.00	0	0	.0	.00	.000	.0	.000
JAN 26...	30	20	10	11	.00	4	0	.0	.00	.000	.0	.000
FEB 17...	20	0	20	9.5	.00	3	0	.0	.00	.000	.0	.000
MAR 17...	10	10	0	5.6	.00	2	--	--	--	--	--	--
APR 20...	20	0	20	13	.00	0	0	.0	.00	.000	.0	.000
MAY 24...	10	0	10	4.6	.00	2	0	.0	.00	.000	.0	.000
JUN 21...	10	0	10	10	.00	3	0	.0	.00	.000	.0	.000
JUL 17...	10	10	0	7.8	.00	3	0	.0	.00	.000	.0	.000
SEP 01...	--	--	--	--	.00	3	0	.0	.00	.000	.0	.000
13...	0	0	0	8.7	.00	1	0	.0	.00	.000	.0	.000

CALCASIEU RIVER BASIN

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT												
26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV												
15...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN												
26...	.000	.000	.01	.005	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
17...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
MAR												
17...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
20...	.000	.000	.02	.003	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
24...	.000	.000	.00	.003	.000	.002	.00	.000	.000	.000	.00	.00
JUN												
21...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUL												
17...	.000	.000	.03	.001	.001	.000	.00	.000	.000	.000	.00	.00
SEP												
01...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	MIREX, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
26...	.00	.00	.00	.00	0.0	.00	.00	.04	.02	.01	.900	.196
NOV												
15...	.00	.00	.00	.00	0.0	.00	.00	.01	.02	.01	12.9	.000
DEC												
19...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
JAN												
26...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	.000	.000
FEB												
17...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	.440	.000
MAR												
17...	--	--	--	--	--	--	--	--	--	--	.900	.000
APR												
20...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	3.89	.000
MAY												
24...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	5.38	.000
JUN												
21...	.00	.00	.00	.00	0.0	.00	.00	.09	.04	.00	22.9	3.71
JUL												
17...	.00	.00	.00	.00	0.0	.00	.00	.12	.00	.01	46.9	.000
SEP												
01...	.00	.00	.00	.00	0.0	.00	.00	.94	.12	.01	1.00	.000
13...	.01	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.570	.000

CALCASIEU RIVER BASIN

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301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)

LOCATION.--Lat 30°13'05", long 93°15'12", T.10 S., R.9 W., Calcasieu Parish, Hydrologic Unit 08080206, on east end of Lake Charles harbor, 2.3 mi (3.7 km) southeast of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE- 5 FT DEPTH: October 1974 to current year.

CHLORIDE-15 FT DEPTH: October 1975 to current year.

CHLORIDE-25 FT DEPTH: October 1975 to current year.

REMARKS.--Samples collected by Corps of Engineers and analyzed by Geological Survey. Samples are collected at depth of 5 ft (1.5 m), 15 ft (4.6 m), and 25 ft (7.6 m).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 13, 14, 15, 1978; minimum daily, 6.0°C Jan. 19, 20, 21, Feb. 7, 8, 21, 1978.

CHLORIDE- 5 FT DEPTH: Maximum daily, 9,800 mg/L Sep. 12, 1976; minimum daily, 8.0 mg/L May 11, 14, 19, 1975.

CHLORIDE-15 FT DEPTH: Maximum daily, 12,000 mg/L July 10, Aug. 9, 1978; minimum daily, 14 mg/L Apr. 1, 1976.

CHLORIDE-25 FT DEPTH: Maximum daily, 16,000 mg/L Oct. 19, 1977; minimum daily, 16 mg/L Apr. 4, 1976.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 13, 14, 15; minimum daily, 6.0°C Jan. 19, 20, 21, Feb. 7, 8, 21.

CHLORIDE- 5 FT DEPTH: Maximum daily, 9,800 mg/L July 11; minimum daily, 20 mg/L Feb. 3.

CHLORIDE-15 FT DEPTH: Maximum daily, 12,000 mg/L July 10, Aug. 9; minimum daily, 19 mg/L Jan. 26, Feb. 4.

CHLORIDE-25 FT DEPTH: Maximum daily, 16,000 mg/L Oct. 19; minimum daily, 18 mg/L Feb. 4.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
GNCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	23.0	16.5	12.5	7.5	12.5	17.0	24.0	26.0	---	29.0	29.5
2	30.0	21.5	17.0	10.0	7.0	12.0	17.5	24.0	27.5	---	30.0	30.0
3	30.0	19.5	17.0	9.5	6.5	10.5	20.0	24.0	27.5	---	30.0	30.0
4	26.5	19.5	16.5	9.5	7.0	7.0	20.5	24.0	27.5	30.0	30.5	30.0
5	25.0	20.0	16.5	10.5	7.5	9.0	20.0	24.0	27.5	30.0	30.5	28.0
6	25.0	20.5	14.5	15.5	7.0	9.5	21.0	24.0	27.5	31.0	30.5	28.0
7	26.0	20.0	14.0	16.0	6.0	9.5	22.0	24.0	27.5	31.0	30.5	28.5
8	26.5	20.5	15.0	14.0	6.0	7.5	---	24.0	25.0	31.0	30.5	27.0
9	25.0	18.5	14.5	10.0	6.5	8.0	22.0	24.0	27.0	31.5	30.0	27.0
10	25.0	17.5	11.0	9.5	6.5	8.0	22.0	24.0	26.0	32.0	---	20.5
11	25.5	16.5	11.5	9.5	7.5	8.0	20.0	24.5	24.5	31.5	---	21.0
12	23.0	17.0	13.0	10.0	8.0	8.0	19.0	24.5	26.0	31.5	---	21.0
13	23.0	18.0	15.0	11.5	8.0	14.0	20.0	24.5	26.5	32.0	---	21.0
14	22.5	19.0	14.0	9.5	7.5	14.5	20.0	24.0	26.5	32.0	---	21.5
15	20.0	19.0	14.0	9.5	7.0	14.5	20.5	24.0	26.5	32.0	---	21.5
16	20.0	22.5	14.5	10.0	9.0	15.0	22.0	24.5	26.0	30.5	---	22.0
17	20.0	21.5	14.5	8.0	8.0	15.0	21.5	24.5	26.5	30.5	---	23.0
18	20.5	22.0	14.5	8.0	9.0	14.5	22.0	24.0	26.5	30.5	---	23.5
19	21.5	23.0	14.5	6.0	7.0	15.0	22.5	26.5	26.5	31.0	---	23.5
20	23.5	---	15.0	6.0	9.0	14.5	20.0	26.5	26.5	31.0	---	23.0
21	22.0	---	10.0	6.0	6.0	16.0	20.0	26.5	26.5	30.5	---	23.5
22	22.0	---	10.0	7.0	9.0	16.0	20.5	26.0	27.0	30.5	---	26.0
23	23.0	---	13.0	8.0	9.0	15.5	20.5	27.5	29.0	30.0	---	26.5
24	24.0	---	13.5	11.0	10.0	15.5	22.0	27.5	29.0	---	28.0	27.0
25	23.0	---	13.5	8.0	10.0	16.0	21.0	28.5	30.0	---	28.5	23.5
26	23.5	16.0	12.0	9.0	10.0	16.0	21.0	28.0	30.0	---	30.0	23.0
27	23.0	17.5	---	---	11.0	16.0	21.0	28.5	27.0	---	29.5	22.0
28	22.5	19.0	---	---	12.5	16.0	22.0	28.5	29.5	---	29.5	25.0
29	22.5	19.0	---	8.0	---	16.5	22.5	29.0	30.0	29.5	29.5	24.5
30	22.5	18.5	---	8.0	---	17.0	17.0	28.5	30.0	30.0	28.0	24.5
31	23.5	---	---	7.5	---	17.0	---	27.0	---	30.0	28.0	---
MONTH	24.0	19.5	14.0	9.5	8.0	13.0	20.5	25.5	27.5	---	---	25.0
YEAR	MAX	32.0	MIN	6.0	MEAN	20.0						

CALCASIEU RIVER BASIN

301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200	2200	96	---	25	1400	3300	---	5800	---	1600	1300
2	4200	2600	53	---	25	2100	2600	4800	5300	---	2200	1400
3	2800	2100	61	---	20	2200	2500	5200	4600	---	2800	1300
4	2700	3400	53	---	26	1800	2300	6000	2700	2300	2300	1400
5	2800	2800	77	3500	52	2800	1800	7000	2500	2400	2200	1700
6	3500	2600	33	2700	56	3200	1900	7900	1600	2400	4600	2100
7	4300	4600	69	3500	55	3300	1900	6800	4300	2500	5400	3000
8	5900	3600	92	2800	93	3200	1900	7000	2500	4100	6000	2400
9	5600	3100	170	3400	140	3400	2100	5600	1100	5100	7000	2700
10	6000	3000	280	2200	200	3500	2100	4300	4100	9700	---	2200
11	5000	1800	310	2600	520	3800	2300	4900	2000	9800	---	2300
12	3300	2100	460	4000	380	3500	1700	2300	1200	9700	---	2700
13	3400	1900	330	2600	340	2800	2400	4600	2000	7400	---	1800
14	2500	2400	510	2800	140	3300	2400	4500	1800	4600	---	2200
15	1400	3100	510	2000	260	3400	3000	4600	1400	4100	---	3500
16	1400	4000	310	2200	180	2900	2200	4700	2100	3800	---	2600
17	1700	5300	190	1100	830	4000	4000	5400	2800	2600	---	1600
18	4200	5000	200	1200	500	3800	2700	5400	5600	3300	---	1900
19	4800	3600	250	1100	800	3500	3400	6500	4300	4500	---	2000
20	---	---	250	380	600	4100	2600	5300	6400	3900	---	2100
21	---	---	240	1400	460	3300	3400	5000	7800	4600	---	2000
22	---	---	170	1400	440	2600	5000	5100	1600	3100	---	2200
23	4500	---	250	1400	1200	3200	5300	5500	1200	4500	---	2200
24	4700	---	450	480	700	3700	3200	5600	1200	---	2100	2000
25	3500	---	490	77	750	4600	4300	5800	1900	---	2400	3300
26	4500	3400	600	54	650	2200	3200	5600	1300	---	2500	3400
27	3900	2600	2600	---	800	2600	5500	---	1500	---	2000	4100
28	1600	1400	2000	---	1000	2300	5500	6200	1400	---	2600	4600
29	2200	1100	2000	30	---	2000	5900	5600	2700	2100	2600	4800
30	2500	550	2900	30	---	2200	6500	5700	3000	1900	3100	5400
31	---	---	2900	30	---	2700	---	5000	---	2200	1100	---
MONTH	3600	2800	610	1700	400	3000	3200	5400	1600	---	---	2500
YEAR	MAX	9800	MIN	20	MEAN	2500	SAMPLING DEPTH 15.00(FT.), ONCE-DAILY					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4900	6100	98	---	25	3300	4100	---	6400	---	2600	1600
2	4700	3800	56	---	25	2600	2800	6500	6600	---	5200	2200
3	2900	4600	58	---	21	2400	3000	7200	4700	---	3600	1700
4	4600	4000	50	---	19	2800	1900	7000	4000	3100	2800	1900
5	5100	4400	79	4600	46	3600	2500	8600	3000	3000	2800	2700
6	5200	7300	38	2500	58	4000	2300	8100	1900	3000	9000	3200
7	6200	7300	71	3000	65	5400	2300	7000	500	3000	8600	2700
8	6200	4000	95	2900	100	2800	2100	6800	2800	3000	7900	2600
9	6000	3200	190	5100	140	3500	2000	6500	1400	5500	12000	3600
10	8400	3300	340	5600	300	4500	3100	5500	5100	12000	---	3600
11	7200	2200	320	5100	520	4000	2300	6000	2000	11000	---	3300
12	3800	2900	450	4400	370	4100	2200	5300	2300	11000	---	3000
13	4000	2300	710	2400	350	3300	4200	4500	600	11000	---	2200
14	2800	6900	650	2600	150	4200	4300	5300	1200	5000	---	2300
15	3300	6000	660	2400	260	4000	3600	5000	2000	5300	---	3700
16	1800	4000	300	4000	210	3800	4400	4700	2100	5000	---	2800
17	3500	6700	200	1000	860	4400	4200	6400	9300	5500	---	2500
18	9600	5500	200	700	640	3800	3400	6200	9000	5300	---	2200
19	8800	3400	270	1100	1100	3600	3400	6300	1400	6700	---	2300
20	---	---	270	860	740	4400	3500	4400	1400	6300	---	2200
21	---	---	240	1400	750	3700	3200	6300	1200	7400	---	2300
22	---	---	180	1700	620	3200	5600	5900	1700	5200	---	2200
23	7900	---	250	1400	1300	3800	5600	6200	1700	4800	---	2600
24	8100	---	480	660	1200	3900	4800	6500	2100	---	3500	3200
25	7400	---	500	87	750	3500	5600	6400	2200	---	3400	3600
26	7300	3700	690	19	1200	2800	6000	6400	1800	---	3600	4100
27	5700	3900	3500	---	2300	3100	6400	---	1800	---	4100	4800
28	3400	1400	2600	---	2600	4000	5800	5900	2000	---	3400	5600
29	3500	1300	3900	30	---	2100	6100	6300	3400	2000	3400	5800
30	4900	570	3100	35	---	3100	7300	5500	3500	2900	3200	6100
31	---	---	4500	30	---	3800	---	6100	---	2400	1200	---
MONTH	5500	4100	810	2100	600	3600	3900	6200	2000	---	---	3100
YEAR	MAX	12000	MIN	19	MEAN	3200						

CALCASIEU RIVER BASIN

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301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
SAMPLING DEPTH 25.00 (FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5100	7400	88	---	25	4500	4900	---	6500	---	2900	2000
2	5000	5000	55	---	30	3000	3200	6900	6700	---	4800	3000
3	3700	7300	58	---	20	2600	2900	8800	5500	---	3800	2600
4	4600	8600	44	---	18	3600	2900	7500	4300	3300	4300	2500
5	5200	5000	56	4900	48	5200	3100	9100	3600	3500	4000	3400
6	6100	7400	50	3300	60	5600	3000	8900	2000	3000	12000	3400
7	6500	8100	80	3400	62	6100	2800	7500	600	3400	10000	4100
8	8900	5200	100	2900	110	3400	2600	6700	200	3200	14000	4400
9	7700	3800	230	4200	140	4200	3000	5900	150	8200	13000	5200
10	8700	3200	460	4600	330	5100	3200	5700	5300	12000	---	4600
11	9000	2600	330	4800	510	5400	2000	6400	150	14000	---	4000
12	4100	5200	590	5300	380	5200	3100	5400	100	12000	---	3200
13	4900	2700	780	2600	350	4600	4300	6100	60	11000	---	2600
14	4300	7700	570	2600	130	4200	4300	5700	140	5900	---	2800
15	4300	6200	500	2500	270	4200	5400	5500	200	5300	---	3800
16	4000	4600	340	5600	190	4600	4000	6400	200	6200	---	3000
17	5700	7700	180	1200	870	5000	4300	7200	990	5800	---	3100
18	13000	7500	280	1700	970	4400	3900	6600	1200	6600	---	3000
19	16000	2900	280	1300	1100	4400	5000	6700	1600	6700	---	2500
20	---	---	270	770	780	4400	3900	7000	2100	6700	---	3000
21	---	---	280	1500	810	4100	4900	7200	1500	7500	---	3200
22	---	---	190	1700	670	4000	6500	6200	2200	5300	---	3300
23	8300	---	260	1500	1400	3900	6700	6500	2400	6000	---	3400
24	7300	---	510	500	1500	4600	5700	6700	2500	---	3700	3800
25	8100	---	470	76	850	2600	5400	6400	2300	---	4100	4300
26	7800	4900	1400	27	1800	3300	6700	6400	1900	---	3900	5400
27	6700	5800	5600	---	3200	4100	7600	---	1900	---	3100	5400
28	5000	1800	4500	---	3000	5200	6100	7500	3200	---	2800	6500
29	5300	1300	4800	30	---	3400	6500	6800	4000	4200	2800	6500
30	5800	570	4200	30	---	4100	7700	6000	5100	2900	3800	7500
31	---	---	4800	30	---	4200	---	6700	---	3800	1800	---
MONTH	6700	5100	1000	2300	700	4300	4500	6800	2300	---	---	3900
YEAR	MAX	16000	MIN	18	MEAN	3800						

CALCASIEU RIVER BASIN

300514093172800 INTRACOASTAL WATERWAY AT CALCASIEU LOCK, NEAR GRAND LAKE, LA (CE 76880)

LOCATION.--Lat 30°05'14", long 93°17'28", T.11 S., R.9 W., Calcasieu Parish, Hydrologic Unit 08090206, 4.1 mi (6.6 km) north of Grand Lake.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 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, 33.0°C July 3, 1977; minimum daily, 4.5°C Jan. 20, 21, 1978.

CHLORIDE: Maximum daily, 11,000 mg/L Oct. 22, 1976; minimum daily, 20 mg/L Aug. 10, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.0°C July 7, 8, 10, 19, Aug. 24; minimum daily, 4.5°C Jan. 20, 21.

CHLORIDE: Maximum daily, 9,800 mg/L May 30; minimum daily, 21 mg/L Dec. 1.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	24.0	15.0	12.0	8.0	14.0	20.0	24.0	29.0	30.0	29.0	28.0
2	29.0	22.5	15.5	11.0	8.5	14.5	21.0	25.0	29.0	29.0	30.0	28.0
3	26.0	22.0	17.0	10.0	10.0	14.0	21.5	23.5	26.0	30.0	28.5	28.5
4	25.0	20.0	18.0	10.0	6.5	13.5	21.5	21.5	27.5	30.0	30.0	28.0
5	25.0	20.0	20.0	12.0	7.0	11.0	22.0	20.5	26.0	30.0	28.0	28.0
6	24.0	20.0	17.0	12.5	7.0	12.0	22.5	22.5	29.0	30.0	28.5	28.5
7	27.5	21.0	16.0	13.5	7.5	14.5	22.5	24.0	26.0	31.0	29.0	28.0
8	27.5	21.5	16.5	13.0	6.5	14.5	23.0	24.5	26.5	31.0	29.0	27.5
9	25.5	21.0	16.5	10.0	6.5	13.0	23.0	24.5	26.5	30.5	29.0	27.5
10	24.5	19.0	12.0	9.0	7.0	12.5	23.5	25.0	28.0	31.0	29.0	27.0
11	23.0	14.0	10.0	7.0	9.0	12.5	21.5	25.0	29.0	31.0	29.5	26.5
12	20.0	14.0	10.5	8.5	8.0	14.0	20.0	24.0	28.0	30.5	30.0	26.5
13	18.5	14.0	11.0	8.5	9.5	15.0	20.0	24.0	30.0	30.0	30.0	26.5
14	18.0	14.5	10.5	8.5	10.0	16.0	20.0	25.0	30.0	30.5	29.0	27.0
15	19.0	17.0	12.0	6.5	10.5	16.0	21.0	25.0	26.0	31.0	28.5	27.0
16	17.0	17.0	15.0	9.0	8.5	16.0	21.0	25.0	29.0	30.0	29.0	27.0
17	17.0	18.0	17.0	8.0	9.5	16.0	22.5	26.0	29.0	30.0	29.5	27.5
18	19.5	19.0	16.0	8.5	9.0	16.0	23.0	27.0	29.5	30.5	29.5	28.0
19	22.0	18.0	25.0	6.0	8.0	17.0	23.5	27.0	26.5	31.0	30.0	29.0
20	20.0	18.0	25.0	4.5	8.0	17.0	22.0	27.0	29.0	30.0	30.0	29.0
21	22.0	20.0	14.0	4.5	8.0	18.0	22.0	28.0	29.0	30.0	30.0	29.0
22	22.0	19.0	18.0	5.0	7.0	11.0	22.0	28.5	29.5	29.5	30.5	29.0
23	22.5	18.5	12.0	5.0	8.0	18.0	23.0	28.0	29.5	29.5	30.0	28.0
24	22.5	18.5	13.0	12.0	10.0	19.5	23.5	28.5	30.0	29.0	31.0	28.0
25	23.0	19.0	16.0	12.0	12.0	18.5	24.0	27.5	30.0	29.0	30.0	26.0
26	23.0	18.5	12.0	7.0	11.5	18.0	23.0	28.0	30.0	29.0	29.0	26.5
27	22.5	19.0	13.0	8.0	11.5	18.5	21.0	28.5	30.5	28.5	30.0	27.0
28	23.5	18.5	13.0	8.0	12.0	16.0	22.0	29.0	30.0	28.0	30.0	27.0
29	23.5	20.5	12.0	8.0	---	18.0	23.0	29.0	30.0	28.0	27.0	25.0
30	23.0	---	18.0	10.0	---	19.0	23.5	28.5	30.0	30.0	27.0	26.5
31	24.0	---	14.0	8.0	---	18.5	---	28.5	---	30.0	30.0	---
MONTH	23.0	19.0	15.0	9.0	8.5	15.5	22.0	26.0	29.0	30.0	29.5	27.5
YEAR	MAX	31.0	MIN	4.5	MEAN	21.0						

CALCASIEU RIVER BASIN

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300514093172800 INTRACOASTAL WATERWAY AT CALCASIEU LOCK, NEAR GRAND LAKE, LA (CE 76880)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3100	3600	21	570	86	3400	2800	6800	9700	3300	640	1100
2	3600	4500	99	95	60	3000	2400	6600	9300	3400	920	260
3	---	3800	70	340	49	4900	3200	6800	9600	3500	640	290
4	5100	4500	74	940	40	2800	2700	7800	9500	3300	1000	230
5	6200	3500	97	740	42	4800	2000	5300	9400	4600	700	250
6	1400	3800	69	200	54	4000	4000	7100	7800	4200	2000	220
7	1600	8600	52	6400	51	3600	5200	7800	7900	4000	1600	160
8	4900	6600	92	4900	44	3600	7200	7900	5500	4600	1700	280
9	7200	7300	44	950	54	3500	5000	7500	3200	3800	2200	4100
10	7400	6200	42	750	42	4400	7000	6000	2700	3700	3500	3600
11	4700	6200	140	220	43	2500	5900	7400	2300	2800	5100	2500
12	590	4300	49	990	48	2500	5400	8800	2500	3800	4700	650
13	80	4700	62	75	52	2700	6700	7700	1900	4800	5200	150
14	85	5000	64	620	48	3000	5000	8400	900	4300	4400	150
15	80	5100	60	570	49	2700	4300	7800	1000	4800	4300	230
16	80	8700	54	110	51	3100	4000	7500	880	4800	4600	230
17	64	5000	50	80	51	2600	5500	7900	520	3800	5600	210
18	52	7000	130	76	62	2000	2200	8600	1000	4800	5000	410
19	100	8200	48	300	56	2600	4600	7900	1100	3700	5000	210
20	110	5300	50	68	50	2000	3500	8400	1700	4600	4500	160
21	87	5300	52	54	73	1900	3300	7900	1200	6500	5300	3600
22	5000	6400	120	94	500	1600	4600	8100	1300	4200	4100	2400
23	2300	5400	68	700	1100	2500	5000	7800	1900	5100	5500	150
24	4600	6400	70	340	210	2800	3600	8700	2500	3900	6000	260
25	5800	7300	54	58	1400	3500	4500	9300	2200	4200	6600	160
26	3200	4800	54	58	1400	2300	4500	8700	2800	3600	4300	400
27	3400	6400	180	58	900	2500	4900	8600	3200	2200	5100	1700
28	2300	4400	62	62	700	2200	6200	9200	2500	2400	7100	650
29	2700	6400	810	35	---	2400	5800	9500	3000	3100	5400	1900
30	750	---	1200	68	---	2600	7300	9800	2700	800	4100	6800
31	2300	---	140	40	---	4300	---	9500	---	700	1500	---
MONTH	2500	5700	130	660	260	3000	4600	8000	3700	3800	3800	1100
YEAR	MAX	9800	MIN	21	MEAN	3100						

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX
(Radiochemical and national stream-quality accounting network)

LOCATION.--Lat 30°18'13", long 95°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on Texas State Highway 12, 2.4 mi (3.9 km) north of Ruliff, 4.2 mi (6.8 km) upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi (7.2 km) downstream from Cypress Creek, and at mile 40.2 (64.7 km).

DRAINAGE AREA.--9,329 mi² (24,162 km²).

PERIOD OF RECORD.--October 1924 to current year.

REVISED RECORDS.--WSP 1282: 1941 (M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4.08 ft (1.244 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1941, non-recording gage at Kansas City Southern Railway Co. bridge, 4.2 mi (6.8 km) downstream and at datum 2.02 ft (0.616 m) lower. Mar. 1, 1941, to Dec. 8, 1948, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records fair. Flow is partly regulated by Toledo Bend Reservoir (station 08025350) 116.3 mi (187.1 km) upstream.

AVERAGE DISCHARGE.--42 years (water years 1925-66) prior to completion of Toledo Bend Reservoir, 8,422 ft³/s (238.5 m³/s), 6,102,000 acre-ft/yr (7.52 km³/yr); 12 years (water years 1967-78) regulated, 7,278 ft³/s (206.1 m³/s), 5,273,000 acre-ft/yr (6.50 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) May 22, 1953, gage height, 19.98 ft (6.090 m); minimum, 270 ft³/s (7.65 m³/s) Sept. 27-30, Oct. 1-3, 17-20, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1835, 22.2 ft (6.77 m) in May or June 1884 (adjusted to present site and datum on basis of flood of June 8, 9, 1950); flood of Apr. 26-29, 1913, reached a stage of 19.5 ft (5.94 m), present site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,400 ft³/s (521 m³/s) Jan. 28, gage height, 14.05 ft (4.282 m); minimum daily, 530 ft³/s (15.0 m³/s) Oct. 31.

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	4790	549	8290	1510	9180	7050	9140	838	2460	3500	2100	1650
2	4860	682	10000	1710	8290	6350	9190	758	3180	3180	1540	2390
3	4110	747	10800	1690	9140	5120	7220	870	3440	3080	1850	2740
4	2200	743	10100	1570	10600	3420	4130	2270	3390	2870	2220	2820
5	1220	880	7810	1430	11900	3340	2790	2760	3160	2150	2300	2920
6	937	869	4950	1340	12500	4550	2620	2140	2480	3090	2310	2980
7	831	747	3230	1270	11800	5150	1920	2800	3480	3670	2280	2990
8	767	696	2370	1240	10700	4570	1530	3000	5040	3830	2290	2980
9	709	700	1920	1880	9740	3640	1410	2010	6620	3800	2280	2800
10	663	676	1630	4170	8910	3860	1350	1460	7520	3840	2290	2690
11	876	744	1440	4920	8390	4510	1320	2600	7480	3510	2310	2450
12	1130	951	1280	4150	7970	4730	1300	3290	6220	2440	2320	1660
13	1160	928	1330	3230	7710	4070	1330	3420	3950	3100	2320	1170
14	1050	788	2730	3250	7830	2980	1500	3430	2640	3380	2330	1770
15	890	695	5720	3370	8650	2780	1750	3100	3050	2800	2330	2320
16	802	639	8570	3070	9570	4070	1460	1960	3370	2490	2330	2640
17	726	602	9920	3230	9900	5220	1610	1330	3350	2210	2320	3180
18	660	622	9000	4200	9490	5970	1520	2400	3280	1420	2360	3420
19	616	1890	6260	6220	9010	7020	1200	3050	3030	1040	2390	3270
20	584	2760	3960	7340	8960	7740	1070	3130	1980	2030	2370	3200
21	563	2510	2790	7510	9060	7170	1020	3390	1350	3190	2170	3940
22	547	1690	2190	6970	8990	6020	963	3520	2290	3120	1380	4690
23	550	1630	1850	5810	8850	5220	928	2270	3090	3380	919	5180
24	866	2940	1640	6710	9040	5110	898	1420	3180	2720	1610	5380
25	886	3560	1490	10300	9050	6040	877	2380	3030	1650	2070	5380
26	703	3960	1370	14100	8480	7360	848	2970	2690	1130	2170	5330
27	640	4180	1290	16800	8070	8690	816	3280	2230	1300	2230	5100
28	600	4260	1230	18100	7820	9370	776	3420	3610	2400	2190	4690
29	569	4550	1220	17900	---	9100	755	3150	4220	1720	1620	4870
30	547	6220	1220	15900	---	8640	854	2000	3790	1190	1190	4550
31	530	---	1280	12100	---	8770	---	1370	---	1780	1290	---
TOTAL	36582	53408	128880	192990	259600	177630	64095	75786	108600	81010	63679	101150
MEAN	1180	1780	4157	6225	9271	5730	2137	2445	3620	2613	2054	3372
MAX	4860	6220	10800	18100	12500	9370	9190	3520	7520	3840	2390	5380
MIN	530	549	1220	1240	7710	2780	755	758	1350	1040	919	1170
AC-FT	72560	105900	255600	382800	514900	352300	127100	150300	215400	160700	126300	200600
CAL YR 1977	TOTAL	2177470	MEAN	5966	MAX	20000	MIN	530	AC-FT	4319000		
WTR YR 1978	TOTAL	1343410	MEAN	3681	MAX	18100	MIN	530	AC-FT	2665000		

SABINE RIVER BASIN

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08030500 SABINE RIVER NEAR FULIFF, TX--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.22	12.27	5.08	12.59	11.70	12.39	3.13	6.81	8.55	6.11	5.12
2	---	2.67	12.84	5.59	12.28	11.27	12.41	2.87	8.04	7.92	4.85	6.68
3	---	2.89	13.04	5.53	12.58	10.33	11.53	3.20	8.45	7.89	5.58	7.32
4	5.70	2.87	12.88	5.23	13.00	8.39	9.17	6.60	8.39	7.53	6.36	7.46
5	4.42	3.30	12.04	4.87	13.28	8.29	7.40	7.53	8.01	6.21	6.52	7.63
6	3.62	3.27	10.29	4.64	13.37	9.83	7.17	6.40	6.86	7.89	6.53	7.73
7	3.31	2.88	8.38	4.45	13.25	10.38	5.87	7.62	8.50	8.81	6.48	7.74
8	3.10	2.72	7.04	4.38	13.03	9.84	5.01	7.94	10.26	9.04	6.50	7.73
9	2.91	2.73	6.16	5.82	12.77	8.76	4.73	6.09	11.44	9.00	6.48	7.43
10	2.76	2.65	5.47	9.61	12.52	9.05	4.57	4.84	11.96	9.05	6.49	7.24
11	3.38	2.88	4.99	10.34	12.32	9.79	4.50	7.26	11.94	8.54	6.53	6.80
12	4.08	3.52	4.58	9.61	12.16	10.03	4.43	8.42	11.16	6.77	6.56	5.12
13	4.15	3.45	4.70	8.42	12.04	9.28	4.51	8.62	9.09	7.91	6.57	3.90
14	3.85	3.02	7.64	8.46	12.10	7.71	4.95	8.64	7.15	8.36	6.57	5.38
15	3.39	2.72	10.98	8.64	12.42	7.38	5.57	8.11	7.83	7.42	6.57	6.55
16	3.11	2.53	12.38	8.17	12.72	9.25	4.85	5.98	8.35	6.89	6.58	7.15
17	2.87	2.40	12.82	8.42	12.82	10.39	5.24	4.51	8.31	6.34	6.57	8.04
18	2.65	2.46	12.53	9.65	12.70	10.95	5.00	6.88	8.20	4.53	6.63	8.42
19	2.50	5.82	11.27	11.23	12.55	11.60	4.17	8.04	7.79	3.52	6.70	8.18
20	2.39	7.61	9.33	11.86	12.53	11.96	3.81	8.17	5.85	5.88	6.66	8.08
21	2.32	7.16	7.70	11.96	12.57	11.66	3.65	8.51	4.36	8.05	6.25	9.14
22	2.26	5.47	6.60	11.65	12.54	10.94	3.50	8.67	6.46	7.94	4.43	9.97
23	2.27	5.29	5.90	10.89	12.50	10.33	3.40	6.51	7.89	8.36	3.17	10.40
24	3.26	7.89	5.40	11.45	12.56	10.24	3.31	4.65	8.05	7.26	5.01	10.56
25	3.32	8.88	5.03	12.90	12.56	10.93	3.25	6.76	7.81	5.11	6.05	10.56
26	2.74	9.43	4.73	13.60	12.36	11.71	3.16	7.80	7.21	3.78	6.25	10.53
27	2.53	9.63	4.52	13.90	12.19	12.26	3.06	8.21	6.37	4.19	6.39	10.34
28	2.39	9.67	4.36	13.97	12.09	12.46	2.93	8.42	8.68	6.71	6.31	9.98
29	2.29	9.92	4.32	14.01	---	12.38	2.86	7.99	9.48	5.27	5.05	10.14
30	2.21	11.22	4.34	13.81	---	12.22	3.08	5.87	8.98	3.93	3.95	9.81
31	2.15	---	4.49	13.30	---	12.27	---	4.41	---	5.42	4.19	---
MEAN	---	4.97	8.03	9.40	12.59	10.44	5.32	6.73	8.32	6.91	5.96	8.04
MAX	---	11.22	13.04	14.01	13.37	12.46	12.41	8.67	11.96	9.05	6.70	10.56
MIN	---	2.22	4.32	4.38	12.04	7.38	2.86	2.87	4.36	3.52	3.17	3.90

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1948 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1945 to September 1946, October 1947 to current year.

WATER TEMPERATURES: October 1947 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1978 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE, PER 100 ML	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, TOCOCCKI, FECAL, KF AGAR (COLS. PER 100 ML)
OCT 26...	1145	180	7.5	23.0	90	20	7.2	86	.6	8300	40	94
NOV 29...	1125	208	7.4	18.0	40	20	8.4	91	.8	4700	44	150
DEC 29...	1220	141	6.8	10.0	80	20	9.4	86	1.2	2000	46	1100
FEB 02...	1130	67	6.6	6.5	160	40	11.2	94	1.8	2500	140	62
FEB 27...	1545	183	7.1	10.5	40	20	10.2	94	1.5	460	4	2
APR 03...	1550	191	6.8	19.5	50	20	8.1	91	.9	850	24	26
MAY 10...	1610	188	6.9	25.5	40	20	7.0	88	1.0	25000	66	94
JUL 13...	1315	220	7.2	32.0	30	20	7.8	107	1.3	6700	16	42
AUG 07...	1500	200	7.0	30.0	30	10	8.4	112	1.1	950	6	8
SEP 13...	1020	192	6.6	27.0	--	--	--	--	--	--	--	--

DATE	HARDNESS, DIS-SOLVED AS (CAC03)	HARDNESS, NONCARBONATE, DIS. (MG/L 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, TOTAL (MG/L AS CAC03)	CARBON DIOXIDE DIS-SOLVED (MG/L AS C02)
OCT 26...	29	0	7.8	2.3	21	59	1.7	2.5	39	0	32	2.0
NOV 29...	39	15	9.5	3.6	20	51	1.4	2.9	29	0	24	1.8
DEC 29...	27	0	7.9	1.8	16	54	1.3	1.9	34	0	28	8.6
FEB 02...	12	3	3.3	.8	6.7	53	.9	1.2	10	0	8	4.0
FEB 27...	35	11	6.6	3.2	18	51	1.3	2.7	29	0	24	3.7
APR 03...	36	13	9.3	3.1	20	53	1.5	2.6	28	0	23	7.1
MAY 10...	32	9	8.7	2.6	22	57	1.7	2.9	29	0	24	5.8
JUL 13...	40	10	10	3.6	22	52	1.5	3.0	36	0	30	3.6
AUG 07...	38	9	9.3	3.5	19	50	1.3	2.9	35	0	29	5.6
SEP 13...	38	11	10	3.1	20	52	1.4	2.5	32	0	26	13

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, VOL- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 26...	19	19	.1	17	108	108	.15	27	2	.07	.01
NOV 29...	19	26	.2	9.1	104	105	.14	37	8	.06	.01
DEC 29...	14	15	.1	19	109	93	.15	18	0	.08	.03
FEB 02...	10	7.6	.0	9.5	54	44	.07	55	37	.09	.00
27...	17	23	.1	8.3	96	95	.13	28	9	.07	.01
APR 03...	19	27	.1	7.0	116	102	.16	30	23	.03	.00
MAY 10...	19	25	.1	9.7	102	104	.14	18	5	.08	.01
JUL 13...	18	27	.1	8.5	114	110	.16	52	22	.03	.00
AUG 07...	19	27	.1	8.0	108	106	.15	35	10	.00	.00
SEP 13...	21	24	.1	9.4	129	106	.18	--	--	.04	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (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)
OCT 26...	.08	.09	.21	.30	.49	.38	.04	.01	1	0	1
NOV 29...	.07	.07	.42	.49	.49	.56	.03	.05	--	--	--
DEC 29...	.11	.14	.47	.61	.37	.72	.07	.06	1	0	1
FEB 02...	.09	.04	.54	.58	.29	.67	.04	.14	--	--	--
27...	.08	.01	.50	.51	.67	.59	.05	.07	--	--	--
APR 03...	.03	.01	.40	.41	.15	.44	.03	.05	0	0	1
MAY 10...	.09	.04	.38	.42	.29	.51	.03	.01	--	--	--
JUL 13...	.03	.01	.50	.51	.54	.54	.03	.01	1	0	2
AUG 07...	.00	.00	.68	.68	.35	.68	.03	.00	--	--	--
SEP 13...	.05	.04	.43	.47	.78	.52	.03	.02	0	--	0

DATE	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED 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)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)
OCT 26...	0	0	0	<10	<9	1	10	5	5	<50	<50
NOV 29...	--	--	--	--	--	--	--	--	--	--	--
DEC 29...	0	0	0	3	3	0	0	0	0	1	1
FEB 02...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
APR 03...	200	100	100	1	1	0	0	0	0	1	0
MAY 10...	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	200	0	300	0	0	0	10	10	0	2	2
AUG 07...	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	0	0	0	0	0	1	0	0	0	0	0

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

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE D RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE D 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- PENDE D RECOV- ERABLE (UG/L AS MN)
OCT 26...	0	10	10	0	1100	--	130	<100	<99	1	170	80
NOV 29...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 29...	0	5	4	1	1200	--	440	12	11	1	300	0
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	1	5	3	2	1100	1000	100	4	2	2	40	30
MAY 10...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	0	3	1	2	1100	1100	50	2	2	0	140	140
AUG 07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	0	4	0	4	960	690	270	4	2	2	130	130

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D 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 D 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 D RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)
OCT 26...	90	.0	.0	.0	0	0	0	<10	<10	0	2	0
NOV 29...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 29...	300	.1	.1	.0	0	0	0	0	0	0	20	0
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	10	.0	.0	.0	0	0	0	0	0	0	10	0
MAY 10...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	0	.1	.1	.0	0	0	0	0	0	0	10	10
AUG 07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	0	.1	.1	.0	0	0	0	0	0	0	10	0

DATE	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- PENDE D TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ATRA- ZINE, TOTAL (UG/L)	ATRA- ZINE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)
OCT 26...	20	4.5	--	--	.0	0	.00	.00	.0	--	--	.0
NOV 29...	--	5.8	--	--	ND	ND	--	ND	101	ND	ND	ND
DEC 29...	20	--	8.3	.1	.0	0	.00	.00	16	--	--	.0
FEB 02...	--	9.5	--	--	--	--	--	--	--	--	--	--
FEB 27...	--	6.7	--	--	ND	--	--	ND	--	ND	--	ND
APR 03...	10	--	7.2	.3	--	--	--	--	--	--	--	--
MAY 10...	--	5.4	--	--	ND	--	--	ND	--	--	--	ND
JUL 13...	0	--	4.7	.5	--	--	--	--	--	--	--	--
AUG 07...	--	5.2	--	--	--	--	--	--	--	--	--	--
SEP 13...	20	--	7.1	.2	--	--	--	--	--	--	--	--

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

ND Material specifically analyzed for but not detected.

SABINE RIVER BASIN

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08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 26...	0	.00	.0	.00	.0	.00	.0	.00	--	.00	.0	.00
NOV 29...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	--
DEC 29...	0	.00	.0	.00	.0	.00	.0	.00	--	.00	2.8	.00
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	ND	--	ND	--	ND	--	ND	--	ND	--	--
APR 03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	--	ND	--	ND	--	ND	--	ND	--	ND	--	--
JUL 13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 26...	.00	.0	.00	--	.00	.0	.00	.0	.00	.0	.00	--
NOV 29...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DEC 29...	.00	.0	.00	--	.00	.0	.00	.0	.00	.0	.00	--
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--
27...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
APR 03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
JUL 13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 13...	--	--	--	--	--	--	--	--	--	--	--	--

ND Material specifically analyzed for but not detected.

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	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)
OCT 26...	--	--	.00	--	.00	--	.00	.00	--	0	0	.00
NOV 29...	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
DEC 29...	--	--	.01	--	.00	--	.00	.00	--	0	0	.00
FEB 02...	--	--	--	--	--	--	--	--	--	--	--	--
27...	ND	--	ND	--	ND	--	--	ND	--	ND	--	ND
APR 03...	--	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	ND	--	ND	--	ND	--	--	ND	--	ND	--	ND

DATE	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL COUL- SON COND. (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 26...	--	.00	--	.00	--	.00	--	--	--	--	10	94
NOV 29...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	221	33
DEC 29...	--	.00	--	.00	--	.00	--	--	--	--	15	79
FEB 02...	--	--	--	--	--	--	--	--	--	--	58	68
27...	--	ND	--	ND	--	ND	--	ND	--	--	--	--
APR 03...	--	--	--	--	--	--	--	--	--	--	25	74
03...	--	--	--	--	--	--	--	--	--	1500	--	--
MAY 10...	--	--	--	--	--	--	--	--	--	2700	--	--

ND Material specifically analyzed for but not detected.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations and the second is a table of peak elevations at flood-profile stations. Discharge measurements made at miscellaneous sites for 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 low 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 1978

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin							
02490113	Bogue Lusa Creek at State Highway 21, at Bogalusa, La.	Lat 30°46'52", long 89°51'07", Washington Parish, at bridge 1.4 miles (2.3 km) southeast of Bogalusa water tower.	75.9	1969-78	1978	<75.09	(†)
02490130	Coburn Creek at Bogalusa, La.	Lat 30°47'46", long 89°50'46", Washington Parish, at bridge on State Highway 21, and 1.0 miles (1.6 km) southeast of Bogalusa water tower.	7.96	1969-78	11- 5-77	2.76	(†)
02491200	Silver Creek near Clifton, La.	Lat 30°55'30", long 90°14'30", Washington Parish, at bridge on State Highway 38, and 3.6 miles (5.8 km) west of Clifton.	50.1	1966-78	11-27-77	7.28	2,680
02491350	Hays Creek near Franklinton, La.	Lat 30°53'16", long 90°11'28", Washington Parish, at bridge on State Highway 25, and 3.4 miles (5.5 km) northwest of Franklinton water tower.	42.2	1966-78	11-27-77	10.04	1,360
02491700	Lawrence Creek near Franklinton, La.	Lat 30°50'55", long 90°06'55", Washington Parish, at bridge on State Highway 10, and 2.0 miles (3.2 km) east of Franklinton.	44.2	1964-78	11-27-77	10.17	2,800
Bayou Sara basin							
07373400	Little Bayou Sara near Turnbull, La.	Lat 30°58'15", long 91°28'50", West Feliciana Parish, at bridge on State Highway 968, and 1.2 miles (1.9 km) northwest of Turnbull.	22.3	1950-61, 1963-68, 1974-78	1978	<15.71	(†)
Thompson Creek basin							
07373450	Thompson Creek at Jackson, La.	Lat 30°50'25", long 91°13'35", East Feliciana-West Feliciana Parish line, at bridge on State Highway 10, and 0.5 mile (0.8 km) west of Jackson.	99.3	1949-59, 1972-73, 1975-78	12- 1-77	88.90	22,900
07373700	Thompson Creek near Starhill, La.	Lat 30°44'55", long 91°17'05", East Feliciana-West Feliciana Parish line at bridge on U.S. Highway 61, and 1.7 miles (2.7 km) southeast of Starhill.	249	1949-68, 1973, 1975-78	12- 1-77	43.13	36,000
07373800	Alexander Creek near St. Francisville, La.	Lat 30°42'55", long 91°22'05", West Feliciana Parish, at bridge on State Highway 10, 1.0 mile (1.6 km) northeast of St. Francisville.	23.9	1953-68, 1971-73, 1975-78	12- 1-77	11.10	5,730
Bayou Baton Rouge basin							
07373900	Bayou Baton Rouge above Baker, La.	Lat 30°37'20", long 91°12'35", East Baton Rouge Parish, at bridge on unnumbered parish road, and 3.4 miles (5.5 km) northwest of Baker.	13.7	1953-68, 1975-78	12- 1-77	20.27	2,200
Mississippi River Delta							
07374700	Tchefuncta River near Franklinton, La.	Lat 30°45'22", long 90°15'52", Washington Parish, at bridge on State Highway 16, 9.0 miles (14.5 km) southwest of Franklinton.	53.1	1949-68, 1975-76†, 1978	12- 1-77	45.48	4,430

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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)
Mississippi River Delta--Continued							
07375170	Bogue Falaya at Covington, La.	Lat 30°29'58", long 90°05'04", St. Tammany Parish, at bridge on State Highway 437, and 1.0 mile (1.6 km) northeast of Covington.	88.2	1964-78	1-24-78	10.31	2,800
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mile (0.3 km) north of Abita Springs.	46.1	1966-78	5- 3-78	23.92	4,430
07375300	Tangipahoa River near Kentwood, La.	Lat 30°56'15", long 90°29'25", Tangipahoa Parish, at bridge on State Highway 38, and 1.1 miles (1.8 km) east of Kentwood.	a296	1951-68, 1975-78	12- 1-77	12.23	(†)
07375307	Terrys Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 miles (8.2 km) northeast of Kentwood.	52.0	1966-78	12- 1-77	11.50	(†)
07375453	Lanier Creek near Loranger, La.	Lat 30°36'25", long 90°24'35", Tangipahoa Parish, at culvert on State Highway 442, and 2.3 miles (3.7 km) south of Loranger.	.83	1967-71, 1975-78	11-30-77	8.63	(†)
07375463	Chappepeela Creek near Husser, La.	Lat 30°39'35", long 90°18'45", Tangipahoa Parish, at bridge on State Highway 445, and 1.9 miles (3.1 km) southeast of Husser.	31.7	1966-78	12- 1-77	24.09	2,050
07375480	Chappepeela Creek southeast of Loranger, La.	Lat 30°36'22", long 90°19'56", Tangipahoa Parish, at bridge on State Highway 40, and 4.5 miles (7.2 km) southeast of Loranger.	91.0	1964-78	10-25-77	9.86	3,700
07375600	Washley Creek near Robert, La.	Lat 30°30'20", long 90°18'30", Tangipahoa Parish, at bridge on U.S. Highway 190, and 2.0 miles (3.2 km) east of Robert.	25.3	1951-78	10-25-77	11.92	3,420
07375800	Tickfaw River at Liverpool, La.	Lat 30°55'47", long 90°40'41", St. Helena Parish, at bridge on State Highway 38, and 1.0 mile (1.6 km) north of Liverpool.	89.7	1956-68††, 1969-78	11-30-77	10.23	3,660
07375960	Tickfaw River at Montpelier, La.	Lat 30°41'10", long 90°38'35", St. Helena Parish, at bridge on State Highway 16, and 0.5 mile (0.8 km) northeast of Montpelier.	220	1951-68, 1975-78	12- 1-77	102.99	8,500
07376285	Hickory Branch near Albany, La.	Lat 30°28'00", long 90°36'35", Livingston Parish, at culvert on unnumbered parish road, 2.3 miles (3.7 km) southeast of junction with State Highway 441, and 3.0 miles (4.8 km) Southwest of Albany.	1.25	1966-71, 1975-78	5- 8-78	11.76	(†)
07376290	Blood River near Springfield, La.	Lat 30°26'19", long 90°36'37", Livingston Parish, at bridge on State Highway 42, and 3.7 miles (6.0 km) northwest of Springfield.	26.6	1964-78	12- 1-77	14.04	1,160
07376520	Little Natalbany River at Albany, La.	Lat 30°30'15", long 90°34'40", Livingston Parish, at bridge on U.S. Highway 190, and 0.3 mile (0.5 km) east of Albany.	40.6	1966-78	12- 1-77	22.59	2,250
07376600	Ponchatoula Creek at Natalbany, La.	Lat 30°33'40", long 90°28'55", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.0 mile (1.6 km) north of Natalbany.	13.8	1951-78	10-11-77	9.60	950
07377190	Sandy Creek south-east of Clinton, La.	Lat 30°50'05", long 90°57'50", East Feliciana Parish, at bridge on State Highway 63, and 5.9 miles (9.5 km) southeast of Clinton.	17.2	1966-78	12- 1-77	12.92	2,550
07377210	Sandy Creek near Pride, La.	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carlson Road, 0.8 mile (1.3 km) east of intersection of Carlson Road with State Highway 409, and 1.9 miles (3.1 km) southeast of Pride.	(*)	1976-78	5- 8-78	15.73	(†)
07377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mile (0.6 km) east of Magnolia.	884	1949-78	12- 1-77	42.84	27,300
07377700	Redwood Creek near Slaughter, La.	Lat 30°43'44", long 91°06'54", East Feliciana Parish, at bridge on State Highway 412, and 2.0 miles (3.2 km) northeast of Slaughter.	41.1	1966-68†, 1969-78	12- 1-77	18.30	3,780

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1978--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Mississippi River Delta--Continued							
07378070	Beaver Bayou near Fred, La.	Lat 30°37'32", long 91°03'08", East Baton Rouge Parish, at bridge on State Highway 964, 0.2 mile (0.3 km) southwest of intersection of State Highways 64 and 964, and 3.6 miles (5.8 km) southeast of Fred.	(*)	1975-78	5- 7-78	12.26	(†)
07380160	Middle Colyell Creek near Walker, La.	Lat 30°29'45", long 90°50'30", Livingston Parish, at bridge on U.S. Highway 190, and 1.3 miles (2.1 km) east of Walker.	20.3	1951-78	12- 1-77	2.97	740
07381413	Intracoastal Waterway tributary near Port Allen, La.	Lat 30°26'42", long 91°13'53", West Baton Rouge Parish, on Interstate Highway 10, 0.2 mile (0.3 km) upstream from mouth, and 1.4 miles (2.3 km) southwest of Port Allen.	9.08	1971-78	12- 1-77	8.31	(†)

< Less than amount shown.

† Discharge not determined.

‡ Operated as a flood-profile partial-record station.

‡‡ Operated as a continuous-record gaging station.

* Drainage area not determined.

a Including Terrys Creek.

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 1978

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Pearl River basin						
02491800	Bogue Chitto at Enon, La.	Lat 30°43'10", long 90°05'00", St. Tammany Parish, at bridge on State Highway 437, 0.5 mile (0.8 km) south of Enon.	1,107	1949-63, 1973-78	5-10-78	+12.07
02492663	French Branch near Slidell, La.	Lat 30°17'40", long 89°44'10", St. Tammany Parish, at bridge on State Highway 1092, 3.5 miles (5.6 km) northeast of Slidell.	(††)	1966-78	5- 4-78	+10.68
Bayou Baton Rouge basin						
07373970	Baker Canal at Baker, La.	Lat 30°35'19", long 91°10'24", East Baton Rouge Parish, at bridge on parish road, 0.3 miles (0.5 km) west of Baker.	(††)	1962-78	11-30-77	61.56
07373980	Baker Canal near Baker, La.	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 miles (4.3 km) southwest of Baker.	(††)	1962-78	4-22-77 11-30-77	a58.41 53.54
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, La.	Lat 30°32'08", long 91°09'92", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 miles (9.8 km) north of Baton Rouge Post Office.	(††)	1975-78	11-24-77 5- 7-78	56.44 58.49
07373996	Monte Sano Bayou at Baton Rouge, La.	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge, La.	(††)	1975-78	11-24-77 5- 7-78	42.03 39.82
Mississippi River Delta						
07374570	Oakes diversion channel at Slidell, La.	Lat 30°17'35", long 89°46'00", St. Tammany Parish, at culvert on Roberts Road, 0.4 mile (0.6 km) north of Couss Road, at Slidell.	(††)	1966-78	5- 4-78	+8.08
07375410	Tangipahoa River at Tangipahoa, La.	Lat 30°52'36", long 90°29'44", Tangipahoa Parish, at bridge on State Highway 440, and 1.0 mile (1.6 km) east of Tangipahoa.	340	1959-65, 1967-75, 1978	12- 1-77	+7.49
07375420	Tangipahoa River at Arcola, La.	Lat 30°46'30", long 90°29'53", Tangipahoa Parish, at bridge on State Highway 10, and 0.7 mile (1.1 km) east of Arcola.	381	1959-65, 1967-78	12- 1-77	+20.06
07377150	Amite River at Grangeville, La.	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line, at bridge on State Highway 37, and 0.5 mile (0.8 km) southwest of Grangeville.	741	1951-63b, 1964-78	1978	<110.11
07377215	Little Sandy Creek near Milldale, La.	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 miles (4.7 km) north of Milldale, La.	(††)	1975-78	5- 8-78	+12.98
07377400	Comite River near Clinton, La.	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, and 1.3 miles (2.1 km) west of Clinton.	c112	1949-65b, 1969-78	11-30-77	179.14
07377750	Comite River near Zachary, La.	Lat 30°38'35", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, and 3.7 miles (6.0 km) east of Zachary.	230	1951-63b, 1964-78	11-30-77	87.52
07377760	Comite River at Comite Drive, near Baton Rouge, La.	Lat 30°33'24", long 91°05'53", East Baton Rouge Parish, at bridge 9.0 miles (14.5 km) north east of Baton Rouge Post Office.	(††)	1962-78	12- 1-77	57.33
07377780	White Bayou at State Highway 64, near Zachary, La.	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mile (1.8 km) east of Zachary.	(††)	1962-75, 1977-78	11-30-77	88.50
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 miles (16.1 km) northeast of Baton Rouge Post Office.	(††)	1962-78	1978	<68.56

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
07377890	Cypress Bayou at Baker, La.	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mile (0.3 km) east of State Highway 19 at Baker.	(††)	1967-78	1978	<67.49
07377900	Cypress Bayou at Plank Road, near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 miles (11.1 km) northeast of Baton Rouge Post Office.	(††)	1962-65, 1967-78	12- 1-77 5- 7-78	50.71 52.99
07377920	Cypress Bayou at Hooper Road, near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 miles (11.3 km) northeast of Baton Rouge Post Office.	(††)	1962-78	12- 1-77 5- 7-78	48.26 44.31
07377933	Blackwater Bayou near Fred, La.	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, and 3.8 miles (6.1 km) southeast of Fred.	(††)	1975-78	5- 7-78	†11.72
07377940	Blackwater Bayou near Baton Rouge, La.	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 miles (13.7 km) northeast of Baton Rouge Post Office.	14.1	1962-78	1978	<50.43
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 miles (6.3 km) northeast of Baton Rouge Post Office.	(††)	1967-78	12- 1-77	40.36
07378010	Hurricane Creek near Baton Rouge, La.	Lat 30°28'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 miles (10.0 km) northeast of Baton Rouge Post Office.	(††)	1962-78	12- 1-77	43.37
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silver Leaf Ave. 5.3 miles (8.5 km) northeast of Baton Rouge Post Office.	(††)	1967-78	12- 1-77 5- 3-78	<47.31 49.38
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 miles (10.6 km) northeast of Baton Rouge Post Office.	(††)	1962-78	12- 1-77 5- 3-78	43.37 <40.89
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, La.	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge 9.4 miles (15.1 km) northeast of Baton Rouge Post Office.	(††)	1962-78	12- 1-77	41.12
07378075	Beaver Bayou at Denham Road, near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 miles (22.0 km) northeast of Baton Rouge Post Office.	(††)	1973-78	5- 7-78	†13.65
07378100	Beaver Bayou at Wax Road, near Baton Rouge, La.	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 miles (19.0 km) northeast of Baton Rouge Post Office.	(††)	1972-78	5- 7-78	†13.58
07378595	Jones Creek at Airline Highway, at Baton Rouge, La.	Lat 30°27'12", long 91°05'15", East Baton Rouge Parish, at culvert, 5.1 miles (8.2 km) northeast of Baton Rouge Post Office.	(††)	1967-78	8-29-78	d47.46
07378600	Jones Creek at Florida Blvd., at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 miles (10.5 km) east of Baton Rouge Post Office.	(††)	1962-78	8-29-78	42.83
07378635	Lively Bayou north- east of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 miles (14.5 km) northeast of Baton Rouge Post Office.	(††)	1967-78	8-29-78	e40.98
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 miles (14.3 km) east of Baton Rouge Post Office.	(††)	1967-78	8-29-78	39.82

See footnotes at end of the table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1978--Continued

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
07378645	Lively Bayou south- east of Baton Rouge, La.	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 miles (14.2 km) southeast of Baton Rouge Post Office.	(††)	1967-78	8-29-78	38.47
07378650	Jones Creek at Old Hammond Hwy., near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 miles (13.5 km) east of Baton Rouge Post Office	(††)	1962-78	8-29-78	36.42
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge on Aubin Lane, 7.3 miles (11.7 km) southeast of Baton Rouge Post Office.	(††)	1967-78	5- 3-78 8-29-78	f43.61 f43.52
07378700	Jones Creek near Woodlawn School, near Baton Rouge, La.	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road, 1.6 miles (2.6 km) north of Woodlawn School, and 10.5 miles (16.9 km) east of Baton Rouge Post Office.	19.5	1967-78	5- 3-78 8-29-78	26.33 23.75
07378710	Amite River near Baton Rouge, La.	Lat 30°23'52", long 90°58'23", East Baton Rouge Parish, 0.2 mile (0.3 km) downstream from Jones Creek, and 13 miles (20.9 km) southeast of Baton Rouge Post Office	(††)	1968-88	12- 2-77	22.33
07378720	Clay Cut Bayou at Siegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 miles (12.7 km) southeast of Baton Rouge Post Office.	(††)	1967-78	12- 2-77 5- 3-78 8-29-78	23.91 27.73 27.63
07378725	Clay Cut Bayou near Hope Villa, La.	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 miles (3.7 km) northeast of Hope Villa.	(††)	1967-78	12- 2-77 5- 3-78 8-29-78	17.64 11.54 10.99
07378780	Bayou Fountain at Ben Hur Road, at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 miles (6.8 km) south- east of Baton Rouge Post Office.	(††)	1962-78	5- 3-78	18.21
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 miles (11.1 km) southeast of Baton Rouge Post Office.	(††)	1962-66, 1969-78	5- 3-78	15.49
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 miles (14.6 km) southeast of Baton Rouge Post Office.	(††)	1967-78	5- 3-78	11.28
07379010	Ward Creek at College Drive at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 miles (5.6 km) south- east of Baton Rouge Post Office.	(††)	1967 1969-78	5- 3-78 8-29-78	36.99 33.93
07379050	Ward Creek at Essen Lane near Baton Rouge, La.	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 miles (9.2 km) southeast of Baton Rouge Post Office.	(††)	1962-71, 1975-78	5- 3-78 8-29-78	27.52 24.15
07379090	North Branch Ward Creek at Goodwood Blvd., at Baton Rouge, La.	Lat 30°26'34", long 91°05'57", East Baton Rouge Parish, at bridge 5.5 miles (8.9 km) south- east of Baton Rouge Post Office.	(††)	1967-78	5- 3-78 8-29-78	37.50 37.73
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 miles (9.5 km) southeast of Baton Rouge Post Office.	(††)	1962-78	5- 3-78 8-29-78	30.69 <28.46
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 miles (6.6 km) southeast of Baton Rouge Post Office	(††)	1962-78	5- 3-78	22.71
07379502	Corporation Canal at Oklahoma St., at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mile (1.6 km) south of Baton Rouge Post Office.	.56	1971-78	10-11-77 5- 3-78 7-27-78	25.05 23.88 24.82
07379503	Corporation Canal at East Roosevelt St., at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 miles (3.2 km) south- east of Baton Rouge Post Office.	g1.31	1971-78	10-11-77 5- 3-78 7-27-78	23.79 23.63 23.66
07379505	Corporation Canal at Chimes St., at Baton Rouge, La.	Lat 30°25'02", long 91°10'22", East Baton Rouge Parish, at bridge 2.4 miles (3.9 km) south- east of Baton Rouge Post Office.	g1.44	1971-78	10-11-77 5- 3-78 7-27-78	22.90 24.92 21.79

See footnotes at end of the table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

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ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1978--Continued

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
07379507	Corporation Canal at Campus Drive, at Baton Rouge, La.	Lat 30°24'14", long 91°10'15", East Baton Rouge Parish, at bridge 2.7 miles (2.3 km) southeast of Baton Rouge Post Office.	1.64	1971-78	10-11-77	20.68
					5- 3-78	21.10
					7-27-78	20.34
07379508	Corporation Canal at Stanford Ave., at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 miles (5.1 km) southeast of Baton Rouge Post Office.	2.43	1971-78	10-11-77	18.73
					5- 3-78	18.72
					7-27-78	20.98
07379550	Bayou Duplanier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 miles (6.1 km) south of Baton Rouge Post Office.	(††)	1962-78	10-11-77 5- 3-78	18.42 21.00
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 miles (9.7 km) southeast of Baton Rouge Post Office.	(††)	1962-78	5- 3-78	21.56
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mile (0.8 km) downstream from Dawson Creek, and 8.5 miles (13.7 km) southeast of Baton Rouge Post Office.	40.0	1947-54h, 1955-68a, 1972-78	10-11-77	14.00
					5- 3-78	20.46
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mile (0.8 km) northeast of Gonzales water tower.	(††)	1963-78	1-25-78	7.92
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49" Ascension Parish, at bridge on State Highway 429, 1.8 miles (2.9 km) west of Gonzales water tower.	(††)	1963-78	1978	<6.50
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mile (0.6 km) southwest of Gonzales water tower.	(††)	1963-78	1978	<7.45
Mermentau River basin						
08012445	Bayou Chene near Welsh, La.	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on parish road, 6.0 miles (9.7 km) southeast of Welsh.	106	1969-78	12- 2-77	†18.80

† Gage datum; NGVD of gage not determined.

†† Indeterminate.

< Less than amount shown.

a Revised.

b Operated as a crest-stage partial-record station.

c Including Pretty Creek.

d Prior to Oct. 1, 1976, at datum 41.60 ft higher.

e Prior to Oct. 1, 1975, at datum 33.23 ft higher.

f Prior to Oct. 1, 1976, at datum 32.58 ft higher.

g Approximately.

h Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1978

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MISSISSIPPI RIVER DELTA						
07375050 Tchefuncta River	Lake Pontchartrain	Lat 30°29'40", long 90°10'10", St. Tammany Parish, at bridge on U.S. Highway 190, and 4.0 mi west of Covington, La.	145	1959,1961, 1963-69, 1972,1974	4-28-78	129
					4-28-78	125
					5-15-78	127
					6- 6-78	127
					7-20-78	128
					8-24-78	*78.5
9- 6-78	*65.0					
07377150 Amite River	Lake Maurepas	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line at bridge on State Highway 37, and 0.5 mi southwest of Grangeville, La.	741	1953,1955, 1961,1962, 1968	5- 8-73	\$5,750
					12- 1-77	29,600
CALCASIEU RIVER BASIN						
08016850 Houston River	Calcasieu River	Lat 30°18'50", long 93°30'02", Calcasieu Parish, at bridge on State Highway 388, and 5.8 mi northeast of Edgerly, La.	(†)	1945, 1968-69	4- 7-78	*6.51
					5-24-78	*.94
08017000 Buxton Creek	Houston River	Lat 30°21'15", long 93°27'10", Calcasieu Parish, at bridge on parish road, 0.9 mi downstream from Cowards Gully, and 6.5 mi south of De Quincy, La.	50.5	1956-57, 1959-64, 1968-69	4- 7-78	*1.20
					5-24-78	*.38

* Base flow

‡ Not previously published.

† Drainage area not determined.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

07373292 RACCOURCI LAKE (OLD RIVER) NEAR BATCHELOR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS, DIS-SOLVED (MG/L AS CaCO3)	HARDNESS, NONCARBONATE, DIS. (MG/L AS CaCO3)
DEC 27...	1055	304	7.8	9.5	5	7	10.6	5.0	<5	60	120	23
FEB 23...	1100	305	7.8	7.0	15	4	11.1	2.9	<5	<5	130	30
MAY 17...	1010	343	7.8	23.0	15	5	11.8	7.1	<5	4400	134	34
JUL 25...	1430	305	8.9	34.0	20	7	13.4	8.6	--	--	130	30

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, TOTAL (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
DEC 27...	33	9.4	12	17	.5	3.0	120	0	98	33	16
FEB 23...	35	9.8	11	15	.4	2.7	122	0	100	35	13
MAY 17...	38	9.5	13	17	.5	3.3	122	0	100	36	17
JUL 25...	32	11	13	18	.5	3.5	100	8	95	33	16

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 27...	.1	4.1	172	170	.23	.69	.54	1.2	5.4	.06	4.5
FEB 23...	.1	2.1	165	169	.22	.31	.43	.74	3.3	.04	--
MAY 17...	.1	2.3	202	179	.27	.54	.88	1.4	6.3	.05	--
JUL 25...	.1	8.7	187	175	.25	.00	1.3	1.3	5.8	.08	--

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-SOLVED (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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS Pb)
DEC 27...	1	30	0	1	10	0	4	23	30	20000	0	30

DATE	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/L AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS Zn)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
DEC 27...	0	14000	.3	.0	20	78	.00	3	.0	10	.00

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

07373292 RACCOURCI LAKE (OLD RIVER) NEAR BATCHELOR, LA--Continued

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
DEC 27...	.00	.0	.0	5	.00	2.2	.00	3.4	.00	.0	.01

DATE	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)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
DEC 27...	.0	.00	.6	.00	.0	.00	.0	.00	.0	.00

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, 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)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 27...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	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 27...	0	0	.00	.0	.01	.01	.00

305101091332600 RACCOURCI LAKE (OLD RIVER) EAST OF BATCHELOR, 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, DIS- SOLVED AS (MG/L CAC03)	HARD- NESS, NONCAR- BONATE, DIS. (MG/L CAC03)
DEC 27...	1130	302	7.9	9.5	5	9	12.2	4.0	2	<5	120	22
FEB 23...	1030	295	7.9	6.5	20	5	12.2	3.3	<5	<5	120	28
MAY 17...	1025	344	8.1	23.0	5	5	10.6	6.3	<5	92	140	33
JUL 25...	1445	327	8.4	32.5	10	4	9.4	3.7	--	K85	140	29

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

MISSISSIPPI RIVER DELTA

305101091332600 RACCOURCI LAKE (OLD RIVER) EAST OF BATCHELOR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
DEC 27...	32	9.7	12	17	.5	2.9	120	0	98	33	13
FEB 23...	33	9.4	11	16	.4	2.6	112	0	92	34	12
MAY 17...	38	11	13	16	.5	3.3	131	0	107	38	18
JUL 25...	38	11	13	16	.5	3.6	130	3	110	34	17

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 27...	.1	4.0	167	166	.23	.74	.89	1.6	7.2	.08	4.8
FEB 23...	.1	2.5	161	160	.22	.60	.45	1.1	4.6	.04	--
MAY 17...	.2	2.5	193	189	.26	.85	.67	1.5	6.7	.04	--
JUL 25...	.1	6.2	194	190	.26	.01	1.3	1.3	5.8	.04	--

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
DEC 27...	1	21	1	1	10	0	4	23	20	17000	0	40

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, FM BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
DEC 27...	10	14000	.0	.0	20	79	.00	2	.0	5	.00

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
DEC 27...	.00	.0	.0	.4	.00	2.1	.00	1.2	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

305101091332600 RACCOURCI LAKE (OLD RIVER) EAST OF BATCHELOR, LA--Continued

DATE	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
DEC 27...	.0	.00	.9	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE TOTAL (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHYL TRIETHION, TOTAL (UG/L)	METHYL TRIETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 27...	.00	.0	.00	.0	.01	.0	.00	.0	.00	.00

DATE	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, 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 27...	0	0	.00	.0	.01	.01	.00

07373450 THOMPSON CREEK AT JACKSON, 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, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS, DIS-SOLVED AS CaCO3	HARDNESS, NONCARBONATE, DIS. (MG/L CaCO3)
NOV 07...	1015	66	7.0	20.0	15	10	9.3	1.5	--	100	15	0
FEB 23...	1200	60	6.8	14.5	50	5	10.5	1.3	K20	84	13	2
APR 14...	1200	54	5.8	22.5	50	15	8.3	1.1	K720	--	14	1
JUL 20...	0830	72	6.9	26.5	15	110	5.6	.0	K15000	2700	15	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, TOTAL (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 07...	3.7	1.5	5.6	40	.6	2.4	21	0	17	2.2	8.1
FEB 23...	3.1	1.2	5.5	46	.7	1.2	14	0	11	3.8	6.4
APR 14...	3.7	1.1	4.4	37	.5	1.9	16	0	13	3.2	5.1
JUL 20...	3.5	1.5	6.7	46	.8	1.9	25	0	21	3.0	7.9

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

MISSISSIPPI RIVER DELTA

07373450 THOMPSON CREEK AT JACKSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	CARBON, ORGANIC TOTAL (MG/L AS C)	
NOV 07...	.1	19	59	53	.08	.15	.09	.24	1.1	.05	3.8	
FEB 23...	.0	17	47	45	.06	.13	.11	.24	1.1	.03	--	
APR 14...	.0	14	47	41	.06	.21	.25	.46	2.0	.05	--	
JUL 20...	.0	18	51	55	.07	.06	.45	.51	2.3	.02	--	
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)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
NOV 07...	1	0	0	<1	0	0	5	<1	80	330	1	<10
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY 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)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	
NOV 07...	20	36	.1	.0	30	3	.00	2	.0	0	.00	
DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	
NOV 07...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00	
DATE	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)	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)	
NOV 07...	.0	.00	.0	.00	.0	.00	.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, TOT. IN BOTTOM MATL. (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL 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)	
NOV 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

07373450 THOMPSON CREEK AT JACKSON, LA--Continued

DATE	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 07...	0	0	.00	.0	.00	.00	.00

07381424 FALSE RIVER AT NEW ROADS, 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- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS, DIS- SOLVED (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE, DIS. (MG/L CAC03)
NOV 23...	1100	239	7.6	19.0	10	5	7.5	1.4	K55	360	110	0
FEB 23...	1415	252	8.0	7.5	30	6	12.4	6.2	<5	K30	120	0
MAY 17...	1340	288	7.7	25.5	15	3	8.1	4.2	K4	K28	130	0
JUL 25...	1145	212	8.8	32.5	20	6	10.6	4.0	--	260	99	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 HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY, TOTAL (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 23...	28	9.0	6.0	10	.3	4.8	140	0	110	4.7	4.3
FEB 23...	32	8.9	5.7	9	.2	4.2	148	0	121	8.7	4.3
MAY 17...	34	9.8	6.3	9	.2	4.5	164	0	135	10	4.5
JUL 25...	23	10	7.6	14	.3	5.8	110	9	110	5.7	4.9

DATE	FLUO- RIDE, 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 CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 (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 N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 23...	.1	11	137	137	.19	--	1.4	--	--	10	5.5
FEB 23...	.1	10	143	147	.19	.04	.75	.79	3.5	.08	--
MAY 17...	.1	8.2	168	158	.23	.00	.68	.68	3.0	.02	--
JUL 25...	.1	11	135	131	.18	.00	1.2	1.2	5.3	.13	--

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)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
NOV 23...	12	21	0	1	50	0	4	13	30	21000	0	20

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

07381424 FALSE RIVER AT NEW ROADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	MANGANESE, DIS- SOLVED (UG/L AS MN)	MANGANESE, 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)	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)
NOV 23...	0	300	.0	.0	50	450	.00	2	.0	6	.00
DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV 23...	.00	.0	.0	3	.00	.3	.00	2.7	.00	.0	.00
DATE	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)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	
NOV 23...	.0	.00	.0	.00	.0	.00	.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, 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)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0
DATE	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 23...	0	0	.00	.0	.11	.07	.08				

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381425 FALSE RIVER NEAR ERWINVILLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	STREP-TOCOCCEI, KF AGAR (COLS. PER 100 ML)	HARDNESS, DIS-SOLVED AS (MG/L CAC03)	HARDNESS, NONCARBONATE, DIS-SOLVED AS (MG/L CAC03)
NOV 23...	1200	229	7.6	19.0	5	1	6.0	1.8	K5	K55	110	0
FEB 23...	1345	240	8.0	8.0	30	7	12.2	4.2	<5	K20	120	5
MAY 17...	1500	278	7.6	24.5	15	1	7.3	2.3	<5	K12	120	0
JUL 25...	1130	226	8.9	32.5	20	5	9.6	3.5	--	140	96	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 HC03)	CARBONATE (MG/L AS C03)	ALKALINITY, TOTAL (MG/L AS CAC03)	SULFATE, DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
NOV 23...	27	9.4	6.4	11	.3	5.1	140	0	110	4.8	5.6
FEB 23...	33	8.7	5.5	9	.2	4.2	140	0	115	9.0	4.1
MAY 17...	34	9.7	6.0	9	.2	4.5	153	0	125	7.5	4.2
JUL 25...	22	10	7.7	14	.3	5.0	110	9	110	6.0	6.3

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 TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 23...	.1	9.9	132	137	.18	.72	.87	1.6	7.0	.10	5.9
FEB 23...	.1	10	--	144	.18	.09	1.0	1.1	4.8	.08	--
MAY 17...	.1	7.4	156	149	.21	.02	.56	.58	2.6	.05	--
JUL 25...	.1	10	133	130	.18	.01	1.3	1.3	5.8	.08	--

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS PB)
NOV 23...	14	30	1	1	12	0	8	26	20	23000	1	40

DATE	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)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 23...	4	1500	.0	.0	40	80	.00	2	.0	7	.00

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

07381425 FALSE RIVER NEAR ERWINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV 23...	.00	.0	.0	4	.00	1.6	.00	3.2	.00	1.6	.00

DATE	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)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 23...	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00

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)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	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 23...	0	0	.00	.0	.00	.07	.07

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

302202091452400 LAKE HENDERSON NEAR ATCHAFALAYA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DIS-SOLVED (MG/L AS CaCO3)	HARDNESS, NONCARBONATE, DIS. (MG/L AS CaCO3)
NOV 28...	1130	159	7.0	15.5	180	35	5.4	3.4	--	--	61	8
MAR 09...	1205	225	7.3	10.0	80	30	7.9	1.7	K5	K10	92	7
MAY 04...	1230	276	6.9	20.5	25	3	3.7	3.1	--	1000	110	25
JUL 26...	1600	373	7.8	32.0	80	15	7.1	1.5	8400	K530	99	12

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, TOTAL (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 28...	15	5.7	6.4	17	.4	4.9	64	0	52	12	8.9
MAR 09...	23	8.3	8.8	17	.4	2.7	104	0	85	8.9	12
MAY 04...	30	8.1	13	20	.5	3.1	104	0	85	24	18
JUL 26...	26	8.3	33	41	1.4	3.6	106	0	87	12	54

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 28...	.1	9.9	95	95	.13	.17	1.3	1.5	6.5	.21	11
MAR 09...	.1	5.6	123	121	.17	.09	.57	.66	2.9	.21	--
MAY 04...	.1	3.5	159	151	.22	.02	.89	.91	4.0	.22	--
JUL 26...	.1	10	220	199	.30	.01	1.9	1.9	8.5	.16	--

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)
NOV 28...	2	10	0	1	16	0	9	31	170	20000	0	30

DATE	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)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 28...	20	600	.0	.0	20	74	.00	4	.0	0	.00

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

302202091452400 LAKE HENDERSON NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV 28...	.00	.0	.0	0	.00	7.0	.00	12	.00	.0	.00

DATE	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)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 28...	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00

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, 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)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 28...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	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 28...	0	0	.00	.0	.03	.01	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DIS-SOLVED (MG/L AS CaCO3)	HARDNESS, NONCARBONATE, DIS-SOLVED (MG/L AS CaCO3)
NOV 28...	1300	198	7.5	18.0	160	7	7.6	7.6	--	210	73	11
MAR 09...	0920	144	7.6	11.0	120	50	9.0	1.7	<5	130	60	6
MAY 04...	1100	272	7.3	21.0	20	15	8.2	2.9	--	K25	110	30
JUL 26...	1400	297	7.6	29.5	60	25	4.6	2.3	K4000	K660	110	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	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY, TOTAL (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 28...	18	6.8	9.3	21	.5	4.0	76	0	62	14	12
MAR 09...	15	5.4	5.5	16	.3	2.6	66	0	54	7.6	6.8
MAY 04...	31	8.3	13	20	.5	3.4	100	0	82	32	18
JUL 26...	29	9.4	15	22	.6	3.9	133	0	109	10	21

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 28...	.1	11	118	113	.16	.10	1.2	1.3	5.8	.14	11
MAR 09...	.1	3.7	75	79	.10	.09	.72	.81	3.6	.20	--
MAY 04...	.1	.8	152	156	.21	.38	.81	1.2	5.3	.10	--
JUL 26...	.1	11	182	165	.25	.02	1.6	1.6	7.2	.17	--

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)
NOV 28...	2	9	0	1	20	0	7	31	210	26000	2	30

DATE	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY, 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)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 28...	4	600	.0	.0	20	74	.00	2	.0	15	.00

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

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

MISSISSIPPI RIVER DELTA

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV 28...	.00	.0	.0	7	.00	7.2	.00	10	.00	.0	.00

DATE	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)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 28...	.0	.00	.3	.00	.0	.00	.0	.00	.0	.00

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, 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)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 28...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	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 28...		0	0	.00	.0	.02	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-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, DIS-SOLVED AS (MG/L CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
DEC 19...	0930	293	7.6	19.0	25	30	6.9	--	--	--	130	0
FEB 10...	0830	316	7.7	7.0	20	20	10.8	3.7	240	--	140	1
MAY 19...	1200	311	6.9	26.0	30	20	6.8	6.2	150	1300	140	0
JUL 18...	1510	214	7.0	31.5	15	10	7.9	.9	260	3900	86	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 HC03)	CARBONATE (MG/L AS C03)	ALKALINITY, TOTAL (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
DEC 19...	35	11	8.1	11	.3	4.1	170	0	140	11	7.9
FEB 10...	43	7.9	8.4	10	.3	3.8	170	0	139	14	7.0
MAY 19...	37	11	7.8	11	.3	4.5	172	0	141	9.4	5.7
JUL 18...	22	7.6	8.1	16	.4	4.4	110	0	90	8.7	6.0

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 (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)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 19...	.1	14	182	175	.25	.38	.80	1.2	5.2	.25	11
FEB 10...	.1	11	181	186	.25	.27	.63	.90	4.0	.16	--
MAY 19...	.1	8.2	172	169	.23	.08	.68	.76	3.4	.11	--
JUL 18...	.1	9.9	125	121	.17	.26	1.0	1.3	5.6	.17	--

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS PB)
DEC 19...	3	8	0	1	8	0	9	20	70	9800	0	30

DATE	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)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
DEC 19...	60	3400	.0	.0	30	65	.00	6	.0	9	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 19...	.00	.0	.0	16	.00	12	.00	4.2	.00	.0	.01	.0

DATE	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	
DEC 19...	.00	.6	.00	.00	.00	.0	.00	.0	.00	.0	.00	.1	.00

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, 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 THION, TOTAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
DEC 19...	.0	.00	.0	.00	.00	.01	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 19...	0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in several navigable waterways.

311527091493800 RED RIVER 0.25 MILE BELOW MOUTH OF BLACK RIVER, NEAR ACME, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
MAR 30...	1030	247	7.7	--	--	31	750	65	14	15	6.8
JUN 01...	1130	193	6.5	60	55	35	1200	51	17	14	3.9

DATE	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 HC03)	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)
MAR 30...	23	42	1.2	3.9	62	0	51	23	28	142	142
JUN 01...	17	41	1.0	2.5	41	0	34	30	23	30	30

DATE	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	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 DIS- SOLVED (MG/L AS N)	NITRO- GEN,NH4 TOTAL (MG/KG AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)
MAR 30...	13100	22	<1.0	.22	.03	.25	--	.36	4.0	.46
JUN 01...	5750	18	5.0	.16	.03	.19	.04	.01	3.1	.01

DATE	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- SOLVED (MG/L AS N)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG 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)
MAR 30...	--	.18	.66	.12	.54	74	.91	4.0	.10	.06
JUN 01...	.88	.67	.92	.24	.68	17	1.1	4.9	.15	.06

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	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)
MAR 30...	1	1	0	2	0	0	0	10	1	0	1	10
JUN 01...	3	2	1	4	5	5	0	0	3	1	2	10

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

DREDGING OPERATIONS STUDY--Continued

311527091493800 RED RIVER 0.25 MILE BELOW MOUTH OF BLACK RIVER, NEAR ACME, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHROMIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOT-TOM MATERIAL (UG/G)	CHROMIUM, 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)	COPPER, RECOV. FM BOT-TOM MATERIAL (UG/G 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)
MAR 30...	10	0	10	0	5	2	3	2	250	9	6	3
JUN 01...	10	0	2	0	10	6	4	6	260	0	0	0

DATE	LEAD, RECOV. FM BOT-TOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGANESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOT-TOM MATERIAL (UG/G)	MERCURY, TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY, SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY, DIS-SOLVED (UG/L AS HG)	MERCURY, RECOV. FM BOT-TOM MATERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)
MAR 30...	0	90	70	20	1300	.0	.0	.0	.0	5	4
JUN 01...	0	130	70	60	170	.0	.0	.0	.0	6	6

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUS-PENDED (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOT-TOM MATERIAL (UG/G)	VANADIUM, 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 MATERIAL (UG/G AS ZN)
MAR 30...	1	14	0	0	0	0	3.0	30	30	0	30
JUN 01...	0	9	0	0	0	0	1.0	30	10	20	5

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT-TOM MATERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)
MAR 30...	7.8	.00	0	2	0	.0	.0	0	.00	.000	.0
JUN 01...	11	.00	0	5	0	.0	.0	0	.00	.000	.0

DATE	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)
MAR 30...	.0	0	.000	.2	.003	.2	.004	.0	.00	.0	.000
JUN 01...	.0	0	.006	.3	.004	.3	.000	.2	.00	.0	.004

DATE	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (UG/KG)	HEPTA-CHLOR, EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR, EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
MAR 30...	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000
JUN 01...	.0	.000	.003	.0	.00	.0	.000	.0	.000	.0	.002

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

311527091493800 RED RIVER 0.25 MILE BELOW MOUTH OF BLACK RIVER, NEAR ACME, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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, TOT. IN BOTTOM MATL. (UG/KG)	METHYL 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)
MAR 30...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.0
JUN 01...	.0	--	.0	.00	.00	.0	.00	.0	.00	.00	.0

DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 30...	.00	0.0	0	.00	.0	.02	.01	.00	2.93	.000
JUN 01...	.00	0.1	0	.00	.0	.05	.08	.01	5.44	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

310100091412400 OLD RIVER LOCK TAILBAY NEAR SIMMESPORT, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (MG/L AS CAC03)	HARU- NESS, NONCAR- BONATE (MG/L CACU3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
MAR 30...	0800	355	7.6	--	--	24	16000	130	32	30	13
JUN 01...	0830	304	7.5	40	35	15	19000	120	37	32	9.8

DATE	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 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)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)
MAR 30...	20	25	.5	3.9	117	0	96	46	21	44	44
JUN 01...	13	19	.5	3.0	102	0	84	34	16	29	29

DATE	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	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 DIS- SOLVED (MG/L AS N)	NITRO- GEN+NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)
MAR 30...	44400	3	<1.0	1.2	.03	1.2	--	.45	8.6	.58
JUN 01...	54500	14	--	1.5	.02	1.5	.03	.00	17	.00

DATE	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- SOLVED (MG/L AS N)	NITRO- GEN+NH4 + ORG. TOT IN BOT MAT (MG/KG 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)
MAR 30...	--	.24	.70	.01	.69	589	1.9	8.4	.10	.07
JUN 01...	.50	.84	.53	.00	.84	230	2.0	9.0	.08	.04

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BERYL- LIUM, RECOV- ERABLE FM BOT- TOM MA- TERIAL (UG/G AS CD)	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)
MAR 30...	1	0	1	6	0	0	0	10	1	0	1	10
JUN 01...	2	2	0	12	0	0	0	0	2	0	2	10

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

310100091412400 OLD RIVER LOCK TAILBAY NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, FM BOT-TOM MATERIAL (UG/G)	CHROMIUM, 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)	COPPER, FM BOT-TOM MATERIAL (UG/G 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)
MAR 30...	10	0	60	0	4	1	3	7	20	36	36	0
JUN 01...	10	0	5	0	10	5	5	12	40	2	2	0

DATE	LEAD, RECOV. FM BOT-TOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGANESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MANGANESE, FM BOT-TOM MATERIAL (UG/G)	MERCURY, TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY, SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY, DIS-SOLVED (UG/L AS HG)	MERCURY, FM BOT-TOM MATERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)
MAR 30...	20	50	30	20	4000	.0	.0	.0	.0	4	3
JUN 01...	15	20	20	0	380	.0	.0	.0	.0	5	5

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, FM BOT-TOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUS-PENDED (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SELENIUM, IN BOT-TOM MATERIAL (UG/G)	VANADIUM, 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, FM BOT-TOM MATERIAL (UG/G AS ZN)
MAR 30...	1	25	2	2	0	0	.0	40	40	0	330
JUN 01...	0	15	0	0	0	0	.0	20	0	20	32

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE IN BOT-TOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT-TOM MATERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, IN BOT-TOM MATERIAL (UG/KG)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT-TOM MATERIAL (UG/KG)
MAR 30...	6.2	.00	0	11	0	.0	.0	10	.00	.000	.0
JUN 01...	4.2	.00	0	2	0	.0	.0	5	.00	.000	.0

DATE	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, IN BOT-TOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, IN BOT-TOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, IN BOT-TOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN BOT-TOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, IN BOT-TOM MATERIAL (UG/KG)	DI-ELDRIN, TOTAL (UG/L)
MAR 30...	.0	2	.000	2.1	.000	.0	.002	8.2	.01	.0	.002
JUN 01...	.0	2	.000	2.4	.000	.6	.000	4.0	.00	.0	.004

DATE	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG)	ENDOSULFAN, 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)	HEPTA-CHLOR EPOXIDE, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE, IN BOT-TOM MATERIAL (UG/KG)	LINDANE, TOTAL (UG/L)
MAR 30...	.5	.000	.001	.2	.00	.0	.000	.0	.001	.0	.000
JUN 01...	.5	.000	.001	.2	.00	.0	.000	.0	.001	.0	.001

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

310100091412400 OLD RIVER LOCK TAILBAY NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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, TOT. IN BOTTOM MATL. (UG/KG)	METHYL 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)
MAR 30...	.0	.00	.0	.00	.01	.0	.00	.0	.00	.00	.0
JUN 01...	.0	--	.0	.00	.00	.0	.00	.0	.00	.00	.0

DATE	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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 30...	.00	0.0	0	.00	.0	.06	.02	.00	16.5	.000
JUN 01...	.00	0.0	0	.00	.0	.00	.01	.01	6.12	.000

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1978 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
PEARL RIVER BASIN					
02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA					
NOV. 2, 1977.....	18.0	8.6	MAY 23.....	22.0	9.0
DEC. 20.....	13.0	---	JUNE 15.....	22.0	8.0
FEB. 7, 1978.....	6.0	11.6	AUG. 22.....	---	7.6
FEB. 28.....	13.5	9.6	SEPT. 26.....	---	8.2
APR. 3.....	13.0	---			
MISSISSIPPI RIVER DELTA					
07373965 SOUTH CANAL NEAR BAKER					
NOV. 15, 1977.....	14.0	9.6	JUNE 12.....	25.0	8.3
DEC. 19.....	13.5	---	JULY 24.....	27.0	4.2
JAN. 25, 1978.....	12.5	10.4	AUG. 23.....	26.0	4.2
FEB. 27.....	14.0	11.6	AUG. 30.....	25.5	---
APR. 3.....	23.0	9.7	SEPT. 25.....	25.0	6.5
MAY 5.....	22.0	7.4			
07375000 TCHEFUNCTA RIVER NEAR FOLSOM					
NOV. 1, 1977.....	19.0	8.2	MAY 9.....	19.5	8.0
DEC. 20.....	12.5	10.2	JUNE 16.....	22.0	9.4
FEB. 2, 1978.....	6.0	11.6	JULY 17.....	24.0	8.0
MAR. 8.....	12.5	9.2	AUG. 28.....	23.5	8.0
APR. 5.....	18.0	8.0	SEPT. 25.....	22.0	8.0
07375500 TANGIPAHQA RIVER AT ROBERT					
NOV. 9, 1977.....	18.5	9.2	MAY 9.....	21.5	7.8
DEC. 21.....	11.5	---	JUNE 22.....	26.0	8.2
FEB. 3, 1978.....	6.0	11.6	JULY 21.....	26.0	7.8
MAR. 6.....	11.5	11.0	SEPT. 1.....	26.0	7.8
APR. 7.....	21.0	8.2	SEPT. 25.....	24.0	8.5
07376000 TICKFAW RIVER AT HOLDEN					
NOV. 8, 1977.....	17.0	10.0	MAY 8.....	21.0	7.4
DEC. 19.....	14.0	10.0	JUNE 12.....	26.0	9.0
JAN. 25, 1978.....	10.0	11.8	JULY 21.....	26.5	8.0
JAN. 26.....	10.0	10.8	AUG. 25.....	25.0	8.1
MAR. 6.....	9.5	11.0	AUG. 30.....	23.0	7.8
APR. 4.....	19.5	9.0	SEPT. 26.....	24.5	8.8
07376500 NATALBANY RIVER AT BAPTIST					
NOV. 10, 1977.....	15.0	10.4	JUNE 15.....	26.5	9.4
DEC. 21.....	10.0	10.0	JULY 17.....	27.0	8.0
JAN. 25, 1978.....	11.0	10.8	AUG. 25.....	26.5	8.1
MAR. 3.....	12.5	10.8	AUG. 29.....	23.5	7.6
APR. 3.....	21.0	8.4	AUG. 30.....	23.5	7.6
MAY 8.....	21.0	8.0	SEPT. 26.....	25.5	8.8
07377000 AMITE RIVER NEAR DARLINGTON					
NOV. 8, 1977.....	17.0	10.0	JUNE 20.....	25.5	8.4
DEC. 20.....	12.5	10.0	JULY 18.....	26.5	8.0
JAN. 25, 1978.....	10.5	9.8	AUG. 23.....	26.0	8.2
MAR. 8.....	12.0	10.4	AUG. 31.....	23.0	7.5
APR. 6.....	20.0	8.4	SEPT. 27.....	23.5	8.3
MAY 16.....	21.0	8.6			
07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS					
NOV. 8, 1977.....	19.5	7.0	MAY 16.....	21.0	---
DEC. 20.....	13.5	---	JUNE 12.....	27.0	---
MAR. 2, 1978.....	13.0	---	JULY 17.....	27.5	4.1
APR. 7.....	20.0	---	AUG. 24.....	28.0	3.5
MAY 8.....	22.0	---	SEPT. 22.....	25.0	2.7
MAY 9.....	22.5	---			
07377500 COMITE RIVER NEAR OLIVE BRANCH					
NOV. 1, 1977.....	20.0	---	APR. 4.....	23.2	11.2
DEC. 15.....	14.5	---	MAY 16.....	23.0	9.8
JAN. 25, 1978.....	11.0	---	JUNE 19.....	26.0	8.8
FEB. 21.....	10.0	13.2			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1978 WATER YEAR

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DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA--Continued					
07377755 WHITE BAYOU EAST DIVERSION CHANNEL, NEAR BATON ROUGE					
NOV. 15, 1977.....	19.0	8.1	MAY 5.....	16.0	9.2
DEC. 19.....	13.0	---	JUNE 12.....	30.0	9.1
JAN. 25, 1978.....	13.0	10.4	JULY 24.....	29.0	8.1
FEB. 27.....	10.2	11.1	AUG. 23.....	26.0	6.2
APR. 3.....	21.0	9.8	SEPT. 22.....	27.0	3.7
07377782 WHITE BAYOU SOUTHEAST OF ZACHARY					
NOV. 15, 1977.....	14.0	10.4	JUNE 12.....	24.0	9.5
JAN. 25, 1978.....	13.0	10.2	JULY 24.....	26.5	5.5
JAN. 26.....	9.5	12.4	AUG. 23.....	25.0	4.1
FEB. 27.....	12.7	10.6	AUG. 30.....	25.5	---
APR. 3.....	23.5	11.2	SEPT. 22.....	28.0	5.6
MAY 5.....	19.0	6.9			
07377842 WHITE BAYOU NEAR BAKER					
NOV. 15, 1977.....	14.5	5.7	MAY 15.....	22.0	6.2
DEC. 19.....	12.5	---	JUNE 12.....	22.5	3.7
JAN. 26, 1978.....	8.2	13.0	JULY 24.....	27.0	2.4
FEB. 27.....	14.0	9.1	AUG. 23.....	27.5	2.9
APR. 3.....	19.8	5.3	SEPT. 25.....	25.0	4.6
07378000 COMITE RIVER NEAR COMITE					
NOV. 8, 1977.....	20.0	8.9	JUNE 19.....	26.0	7.0
DEC. 21.....	10.5	---	JULY 17.....	34.0	7.7
FEB. 21, 1978.....	11.0	12.6	AUG. 25.....	27.0	7.7
APR. 4.....	27.2	10.2	SEPT. 22.....	28.0	7.6
MAY 16.....	26.0	9.6			
07378500 AMITE RIVER NEAR DENHAM SPRINGS					
NOV. 14, 1977.....	13.0	11.0	JUNE 12.....	27.0	8.4
DEC. 19.....	13.0	10.0	JULY 20.....	27.5	7.8
MAR. 10, 1978.....	11.0	10.8	AUG. 24.....	29.0	7.8
APR. 3.....	20.5	9.0	SEPT. 26.....	25.0	8.1
07386700 RUTH CANAL NEAR RUTH					
APR. 10, 1978.....	21.0	6.8	JUNE 8.....	27.5	---
07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE					
NOV. 2, 1977.....	22.0	---	MAY 26.....	24.5	1.0
DEC. 12.....	12.0	---	JUNE 14.....	26.0	---
FEB. 22, 1978.....	5.5	---	JULY 29.....	27.5	---
APR. 6.....	21.0	6.6	SEPT. 27.....	25.5	---
CALCASIEU RIVER BASIN					
08016800 BEAR HEAD CREEK NEAR STARKS					
OCT. 31, 1977.....	22.0	---	APR. 13.....	16.5	---
DEC. 15.....	16.5	---	MAY 22.....	26.0	---
JAN. 26, 1978.....	8.5	---	SEPT. 25.....	24.0	---
MAR. 8.....	12.0	---			



Figure 6: — Location of observation wells.

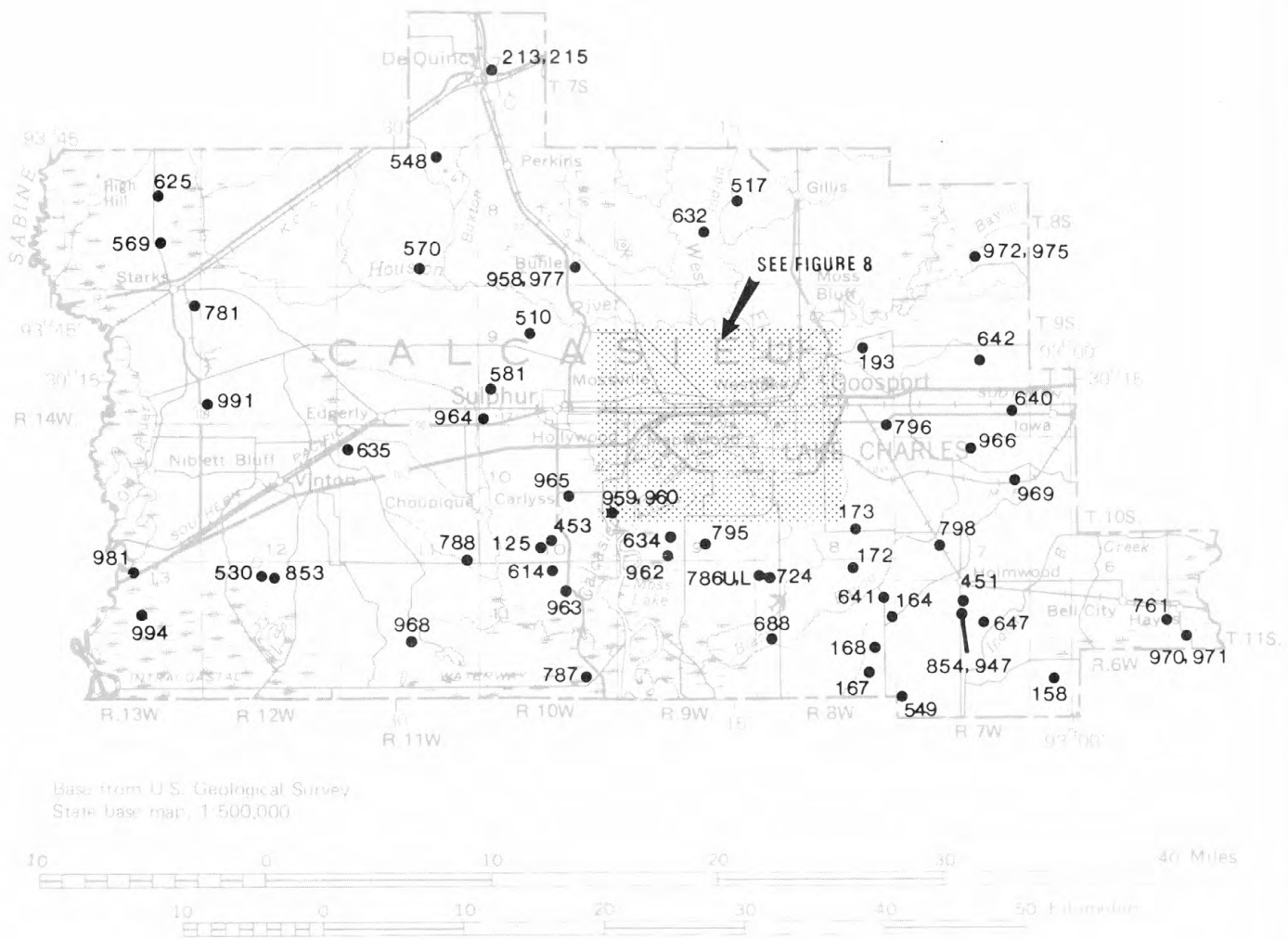


Figure 7. — Location of observation wells in Calcasieu Parish [except for wells located in the shaded area (see fig. 8)].

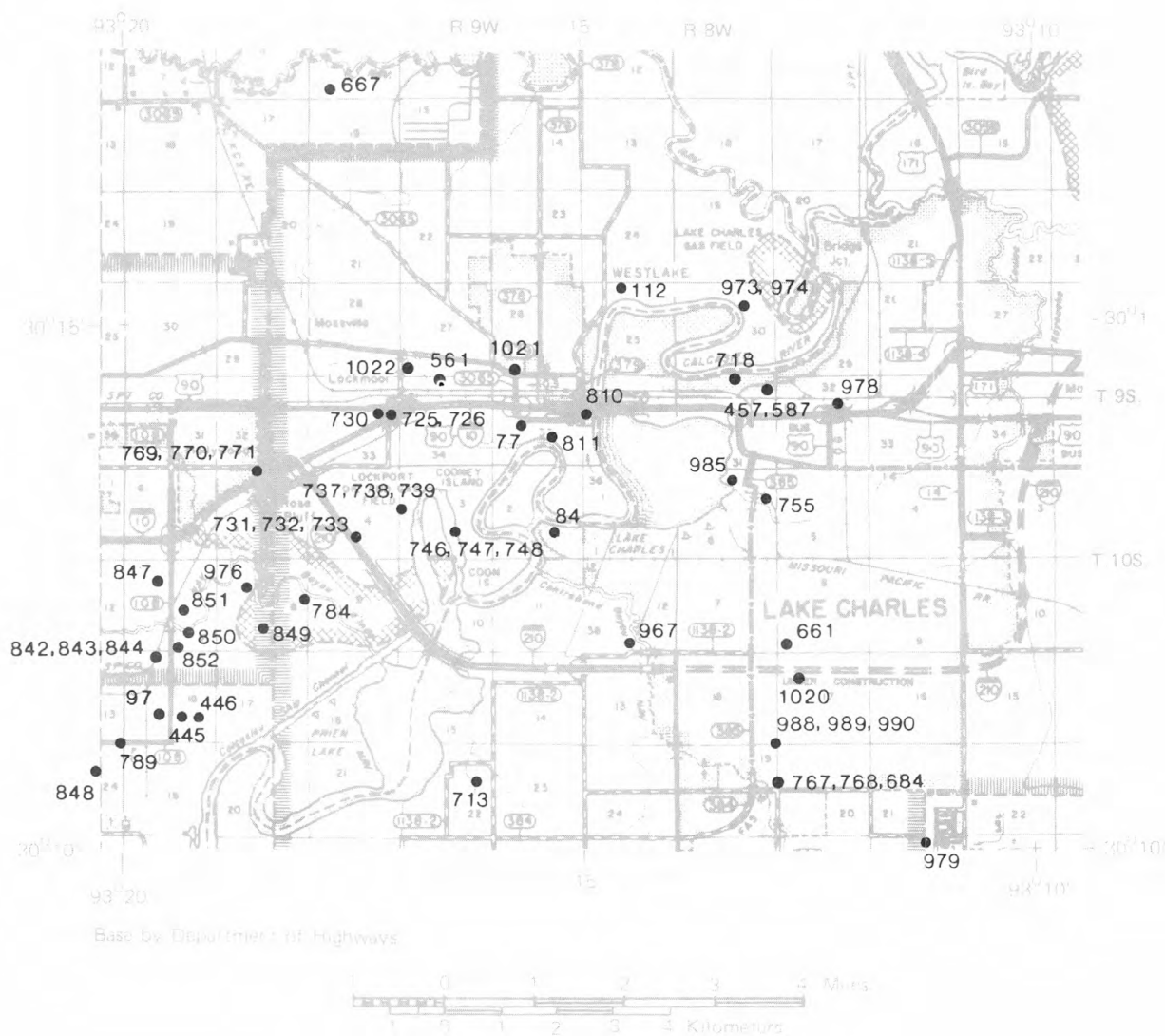


Figure 8. — Location of observation wells in shaded area shown in figure 7, Calcasieu Parish.

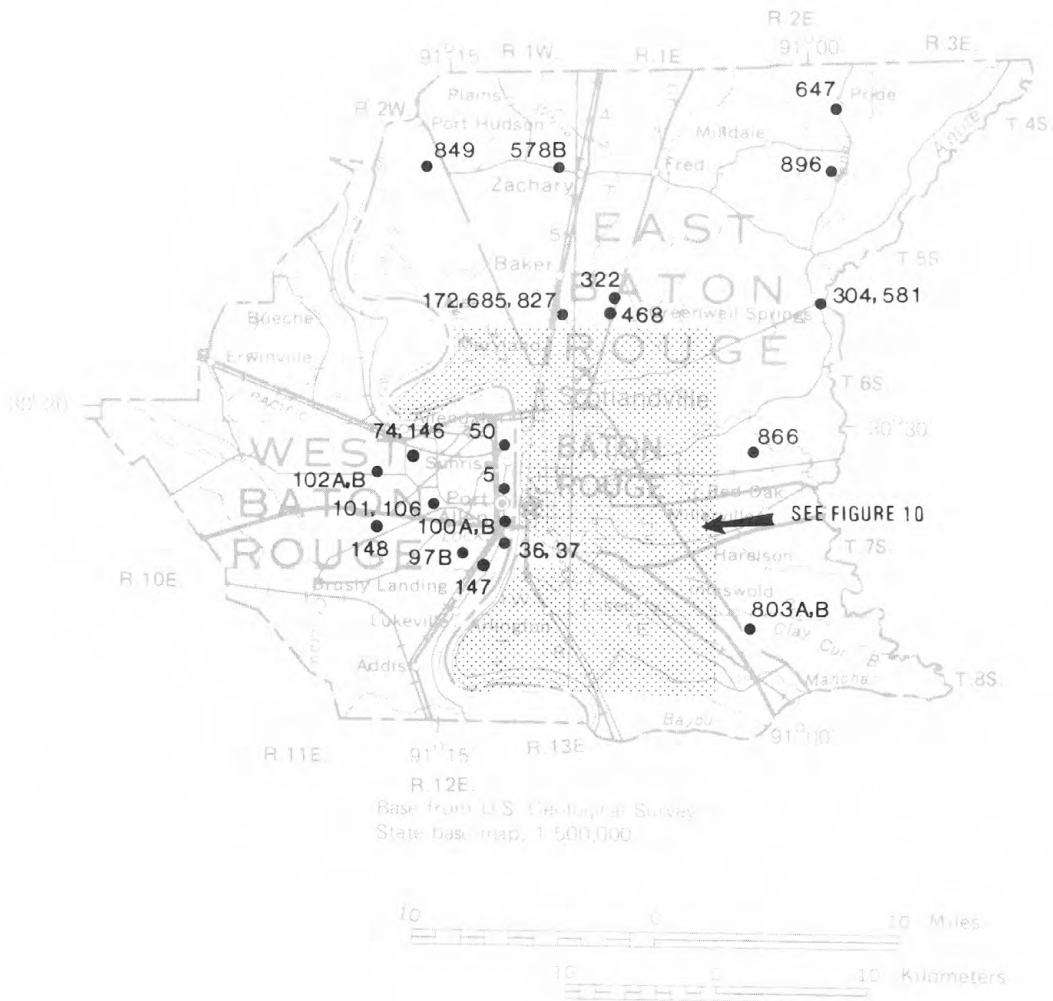


Figure 9 — Location of observation wells, East Baton Rouge and West Baton Rouge Parishes [except for wells located in the shaded area (see fig.10)].

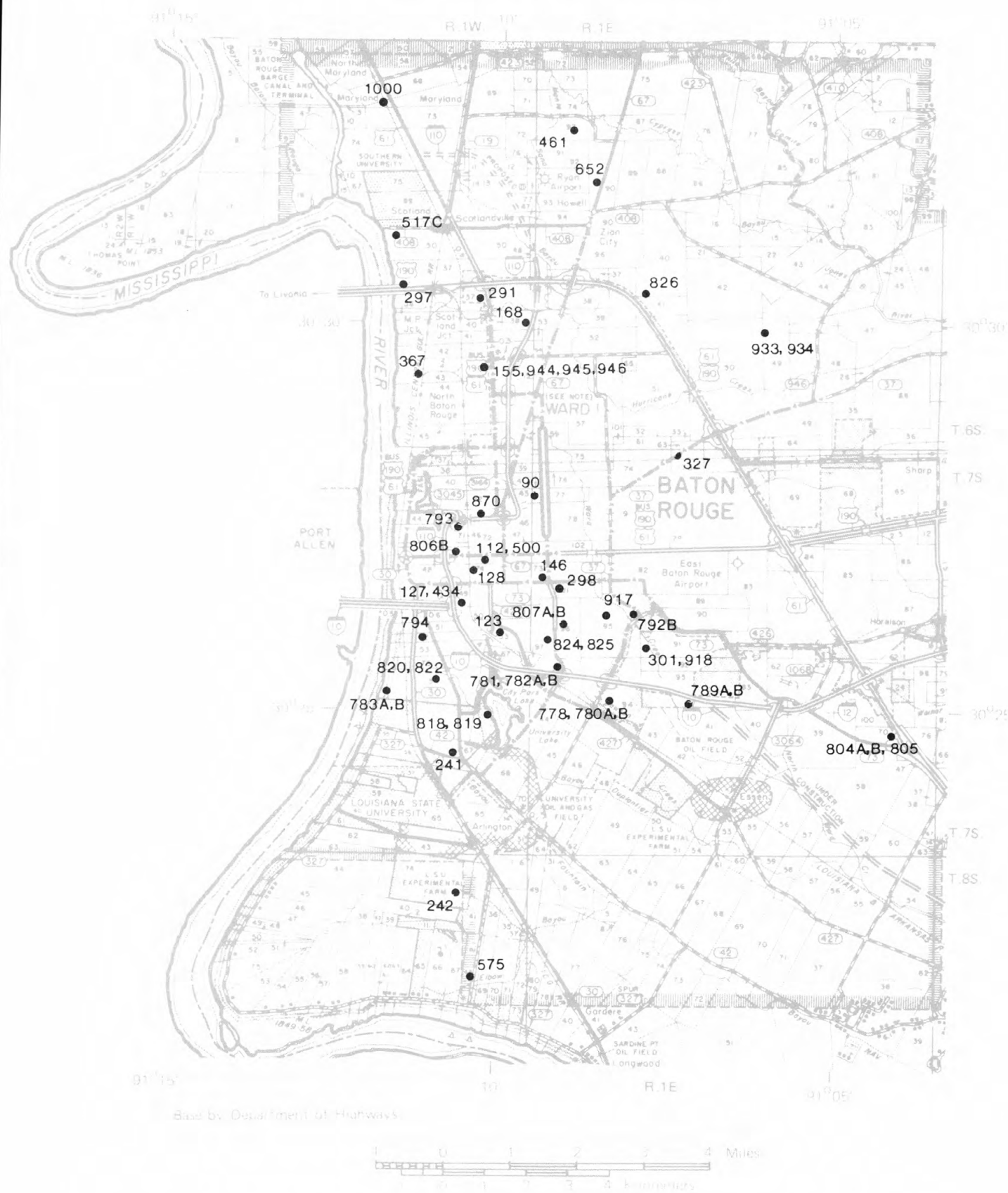


Figure 10 — Location of observation wells, shaded area shown in Figure 9, East Baton Rouge Parish

GROUND-WATER LEVELS

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ACADIA PARISH

302525092242001 LOCAL WELL NUMBER: AC-22

OWNER: HARRY FREY. (SEC. 19, T. 7S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 300 FT, SCREENED 240-300. MP LOWER LIP OF DISCHARGE PIPE, 3.45 FT ABOVE LSD.
 LSD 44.59 FT NGVD.
 HIGHEST WATER LEVEL 36.80 BELOW LSD, APR. 10, 1941,
 LOWEST WATER LEVEL 91.15 BELOW LSD, JULY 14, 1953.
 RECORDS AVAILABLE 1939-66, 1968-72, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	83.30						

302207092153201 LOCAL WELL NUMBER: AC-121

OWNER: MELECK BROTHERS. (SEC. 10, T. 8S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 277 FT, SCREENED 217-277. MP LOWER LIP OF DISCHARGE PIPE, 4.70 FT ABOVE LSD.
 LSD 49.13 FT NGVD.
 HIGHEST WATER LEVEL 59.95 BELOW LSD, SEP. 7, 1956,
 LOWEST WATER LEVEL 80.67 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-65, 1967-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	77.30						

301923092121801 LOCAL WELL NUMBER: AC-137

OWNER: G. A. KENNEDY ESTATE. (SEC. 49, T. 8S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, REPORTED DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.50 FT ABOVE LSD.
 LSD 40.85 FT NGVD.
 HIGHEST WATER LEVEL 49.19 BELOW LSD, JUNE 16, 1954,
 LOWEST WATER LEVEL 68.00 BELOW LSD, FEB. 25, 1974.
 RECORDS AVAILABLE 1954-58, 1960-68, 1970-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	63.60						

300731092021301 LOCAL WELL NUMBER: AC-147

OWNER: MERVIN FAULK. (SEC. 34, T. 10S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 298 FT, SCREENED INTERVAL UNKNOWN. MP 1/2-IN HOLE WITH PLUG, 4.12 FT ABOVE LSD.
 LSD 17.78 FT NGVD.
 HIGHEST WATER LEVEL 13.45 BELOW LSD, APR. 9, 1941,
 LOWEST WATER LEVEL 44.15 BELOW LSD, AUG. 31, 1962.
 RECORDS AVAILABLE 1939-41, 1945-68, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	41.28						

301422092284301 LOCAL WELL NUMBER: AC-232

OWNER: SUN OIL CO. (SEC. 28, T. 9S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 215 FT, SCREENED 195-215. MP TOP OF 4-IN COLLAR, 2.01 FT ABOVE LSD.
 LSD 14.65 FT NGVD.
 HIGHEST WATER LEVEL 19.19 BELOW LSD, MAR. 22, 1950,
 LOWEST WATER LEVEL 53.32 BELOW LSD, AUG. 29, 1963.
 RECORDS AVAILABLE 1949-52, 1954-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	43.39						

301932092341201 LOCAL WELL NUMBER: AC-235

OWNER: H. H. LEJEUNE. (SEC. 28, T. 8S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 310 FT, SCREENED 250-310. MP LOWER LIP OF DISCHARGE PIPE, 4.42 FT ABOVE LSD.

LSD 35.25 FT NGVD.
 HIGHEST WATER LEVEL 42.86 BELOW LSD, MAR. 22, 1950,
 LOWEST WATER LEVEL 72.83 BELOW LSD, FEB. 26, 1975.
 RECORDS AVAILABLE 1949-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	71.18						

302658092174701 LOCAL WELL NUMBER: AC-290

OWNER: GREENE AND ALBERT SPEARS AND OTHERS. (SEC. 18, T. 7S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 10 IN, REPORTED DEPTH 300 FT, SCREENED 220-300. MP HOLE IN TOP OF DISCHARGE PIPE, 3.90 FT ABOVE LSD.

LSD 53.40 FT NGVD.
 HIGHEST WATER LEVEL 69.15 BELOW LSD, MAR. 3, 1954,
 LOWEST WATER LEVEL 89.76 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	87.90						

301709092191001 LOCAL WELL NUMBER: AC-291

OWNER: C. J. ZAUNBRECHER. (SEC. 12, T. 9S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 272 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/2-IN NIPPLE, 4.72 FT ABOVE LSD.

LSD 33.27 FT NGVD.
 HIGHEST WATER LEVEL 45.55 BELOW LSD, MAR. 16, 1954,
 LOWEST WATER LEVEL 68.30 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-69, 1971-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	62.48						

301017092321701 LOCAL WELL NUMBER: AC-292

OWNER: SUN OIL CO. (SEC. 48, T. 10S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 244 FT, SCREENED 224-244. MP TOP OF 1-IN AIRLINE, 3.00 FT ABOVE LSD.

LSD 12.07 FT NGVD.
 HIGHEST WATER LEVEL 25.19 BELOW LSD, APR. 3, 1956,
 LOWEST WATER LEVEL 43.07 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-69, 1971-72, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	40.30						

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN, DEPTH 202 FT, SCREENED 192-202. MP TOP OF 6-IN CASING, 1.15 FT ABOVE LSD.
 LSD 25.80 FT NGVD.
 HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965,
 LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1977	66.57H	JAN. 5, 1978	61.23	MAR. 31, 1978	65.80	JUNE 30, 1978	80.81
OCT. 5	66.58	JAN. 10	61.10	APR. 5	67.79	JULY 5	80.28
OCT. 10	66.04	JAN. 15	60.80	APR. 10	70.31	JULY 10	79.61
OCT. 15	65.83	JAN. 18	60.54H	APR. 15	68.17	JULY 15	79.40
OCT. 20	65.32	JAN. 20	60.48	APR. 20	69.68	JULY 17	78.50H
OCT. 25	64.90	JAN. 25	59.85	APR. 24	72.05H	JULY 20	78.93
OCT. 31	64.58	JAN. 31	59.99	APR. 25	72.42	JULY 25	78.24
NOV. 3	64.24H	FEB. 5	60.05	APR. 30	75.42	JULY 31	75.59
NOV. 5	64.19	FEB. 10	59.48	MAY 5	75.22	AUG. 5	74.67
NOV. 10	64.40	FEB. 15	59.24	MAY 10	74.20	AUG. 10	74.04
NOV. 15	63.79	FEB. 16	59.17H	MAY 15	75.11	AUG. 15	73.32H
NOV. 20	63.56	FEB. 20	59.09	MAY 20	77.70	AUG. 20	72.44
NOV. 25	63.29	FEB. 25	58.87	MAY 24	77.50H	AUG. 25	71.60
NOV. 30	62.66	FEB. 28	58.63	MAY 25	77.93	AUG. 31	70.81
DEC. 5	62.40	MAR. 5	58.90	MAY 31	80.59	SEP. 5	70.14
DEC. 7	62.64H	MAR. 10	58.82	JUNE 5	78.17	SEP. 10	69.68
DEC. 10	62.62	MAR. 15	59.63	JUNE 10	76.06	SEP. 15	69.13
DEC. 15	62.13	MAR. 20	62.73	JUNE 15	74.53	SEP. 20	68.64
DEC. 20	61.83	MAR. 25	64.27	JUNE 20	74.23	SEP. 25	68.20
DEC. 25	61.59	MAR. 27	64.48H	JUNE 25	77.45	SEP. 30	67.65
DEC. 31	61.40						

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT NGVD.
 HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,
 LOWEST WATER LEVEL 62.45 BELOW LSD, AUG. 21, 1974.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	54.94	FEB. 16, 1978	49.88	APR. 24, 1978	53.22	JULY 17, 1978	59.99
DEC. 7	53.58	FEB. 27	50.63	MAY 24	56.20	AUG. 15	59.85
JAN. 18, 1978	51.95	MAR. 27	50.54	JUNE 20	58.10	SEP. 20	58.93

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1363 FT, SCREENED 1358-1363. MP TOP OF 1 1/2-IN PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT NGVD.
 HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,
 LOWEST WATER LEVEL 62.54 BELOW LSD, NOV. 1, 1974.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	60.17	FEB. 16, 1978	59.82	APR. 24, 1978	57.37	JULY 17, 1978	59.15
DEC. 7	60.24	FEB. 27	60.00	MAY 24	57.40	AUG. 15	59.90
JAN. 18, 1978	60.07	MAR. 27	59.69	JUNE 20	58.65	SEP. 20	55.44

301447092214401 LOCAL WELL NUMBER: AC-339

OWNER: ANDING ESTATE. (SEC. 27, T. 9S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 210 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN CASING, 1.87 FT ABOVE LSD.
 LSD 22.00 FT NGVD.
 HIGHEST WATER LEVEL 51.58 BELOW LSD, FEB. 27, 1978,
 LOWEST WATER LEVEL 53.73 BELOW LSD, FEB. 25, 1975.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	51.58						

See footnotes at end of table.

LOUISIANA - CALCASIEU PARISH

ACADIA PARISH

302654092341001 LOCAL WELL NUMBER: AC-428

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 7S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 203 FT, SCREENED 198-203. MP TOP OF 2-IN PIPE, 2.8 FT ABOVE LSD.
 LSD 42.00 FT NGVD.
 HIGHEST WATER LEVEL 78.51 BELOW LSD, MAR. 4, 1977.
 LOWEST WATER LEVEL 92.79 BELOW LSD, JULY 7, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	80.18	MAR. 23, 1978	83.17	JULY 7, 1978	92.79	AUG. 23, 1978	85.38

ASCENSION PARISH

301411090550501 LOCAL WELL NUMBER: AN-2

OWNER: TOWN OF GONZALES. (SEC. 28, T. 9S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 590 FT, SCREENED 550-590. MP TOP EDGE 2-IN COLLAR, 0.57 FT ABOVE LSD.
 LSD 8.14 FT NGVD.
 HIGHEST WATER LEVEL 5.98 ABOVE LSD, MAY 10, 1962.
 LOWEST WATER LEVEL 5.73 BELOW LSD, FEB. 28, 1977.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	3.95	FEB. 16, 1978	1.30	APR. 14, 1978	0.43	JULY 31, 1978	1.30

302008090541601 LOCAL WELL NUMBER: AN-16

OWNER: ROGER M. FRITCHIE. (SEC. 20, T. 8S., R. 3E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1693 FT, SCREENED 1663-1693. MP TOP OF 2-IN CROSS, 0.90 FT ABOVE LSD.
 LSD 16.00 FT NGVD.
 HIGHEST WATER LEVEL 45.73 ABOVE LSD, DEC. 8, 1954, FEB. 28, 1955, APR. 28, 1955.
 LOWEST WATER LEVEL 2.13 ABOVE LSD, APR. 14, 1978.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 14, 1978	2.13						

CALCASIEU PARISH

301405093153501 LOCAL WELL NUMBER: CU-77

OWNER: OLIN MATHIESON CHEMICAL CORP. (SEC. 35, T. 9S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 13 TO 6 IN, REPORTED DEPTH 512 FT, SCREENED 448-512. MP TOP OF CASING, 7.63 FT ABOVE LSD.
 LSD 9.61 FT NGVD.
 HIGHEST WATER LEVEL 82.11 BELOW LSD, FEB. 14, 1956.
 LOWEST WATER LEVEL 170.60 BELOW LSD, AUG. 30, 1974.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1977	145.61H	JAN. 5, 1978	137.06	APR. 5, 1978	136.54	JULY 5, 1978	146.47
OCT. 5	145.35	JAN. 10	136.65	APR. 10	137.73	JULY 10	147.15
OCT. 10	136.76	JAN. 15	136.95	APR. 15	135.99	JULY 15	148.31
OCT. 15	142.94	JAN. 20	137.26	APR. 20	137.45	JULY 20	147.83H
OCT. 20	141.82	JAN. 23	137.47H	APR. 25	136.41	JULY 25	146.50
OCT. 25	140.80	JAN. 31	137.13H	APR. 26	136.45H	JULY 31	148.45
OCT. 31	138.41	FEB. 5	136.03	APR. 30	136.75	AUG. 5	148.38
NOV. 5	140.41	FEB. 10	135.42	MAY 12	140.51H	AUG. 10	145.40
NOV. 9	139.74H	FEB. 15	135.15	MAY 15	141.40	AUG. 15	147.34
NOV. 10	139.02	FEB. 20	137.20	MAY 17	141.96H	AUG. 16	147.02H
NOV. 15	138.50	FEB. 25	136.45	MAY 20	142.40	AUG. 20	147.47
NOV. 20	138.95	FEB. 28	135.15	MAY 25	143.90	AUG. 25	147.51
NOV. 25	138.12	MAR. 3	136.46H	MAY 31	146.65	AUG. 31	147.61
NOV. 30	136.89	MAR. 5	136.44	JUNE 5	146.48	SEP. 5	146.66
DEC. 5	137.30	MAR. 10	136.49	JUNE 10	144.87	SEP. 10	146.14
DEC. 10	136.95	MAR. 15	136.23	JUNE 15	143.82	SEP. 15	145.25
DEC. 15	137.50	MAR. 20	128.65	JUNE 20	144.60	SEP. 20	140.97
DEC. 20	137.75H	MAR. 25	128.00	JUNE 21	143.53H	SEP. 25	141.89
DEC. 25	137.33	MAR. 28	135.70H	JUNE 25	146.75	SEP. 27	142.16H
DEC. 31	137.35	MAR. 31	137.88	JUNE 30	148.22	SEP. 30	142.20

See footnotes at end of table.

GROUND-WATER LEVELS

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CALCASIEU PARISH

301300093151101 LOCAL WELL NUMBER: CU-84

OWNER: LAKE CHARLES HARBOR AND TERMINAL DISTRICT. (SEC. 2, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 6 IN, REPORTED DEPTH 683 FT, SCREENED 623-683. MP TOP OF 16-IN CASING, 1.0 FT ABOVE LSD.
 LSD 11.07 FT NGVD.
 HIGHEST WATER LEVEL 42.23 BELOW LSD, APR. 17, 1950,
 LOWEST WATER LEVEL 115.02 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1949-51, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	113.13						

301110093193701 LOCAL WELL NUMBER: CU-97

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 32 TO 10 IN, REPORTED DEPTH 519 FT, SCREENED 410-519. MP TOP OF 1/2-IN COUPLING, 0.52 FT ABOVE LSD.
 LSD 14.78 FT NGVD.
 HIGHEST WATER LEVEL 92.14 BELOW LSD, APR. 4, 1956,
 LOWEST WATER LEVEL 173.49 BELOW LSD, FEB. 28, 1974.
 RECORDS AVAILABLE 1955-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	160.06						

301516093143101 LOCAL WELL NUMBER: CU-112

OWNER: WOODIE HEAD. (SEC. 25, T. 9S., R. 9W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 210 FT, SCREENED 190-210. MP TOP OF REDUCER, 0.40 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 10.51 BELOW LSD, MAR. 7, 1975,
 LOWEST WATER LEVEL 48.00 BELOW LSD, FEB. 24, 1972.
 RECORDS AVAILABLE 1972, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	15.57						

300905093224501 LOCAL WELL NUMBER: CU-125

OWNER: CITIES SERVICE OIL CO. (SEC. 34, T. 10S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 700 FT. MP AT WIDE CRACK IN WOODEN COVER OVER WELL, 1.1 FT ABOVE LSD.
 LSD 14.20 FT NGVD.
 HIGHEST WATER LEVEL 10.23 BELOW LSD, APR. 11, 1944,
 LOWEST WATER LEVEL 96.10 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE 1943-64, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	95.99						

300342093005601 LOCAL WELL NUMBER: CU-158

OWNER: RAY GREGG. (SEC. 30, T. 11S., R. 6W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 440 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 2.25 FT ABOVE LSD.
 LSD 8.63 FT NGVD.
 HIGHEST WATER LEVEL 26.53 BELOW LSD, APR. 15, 1959,
 LOWEST WATER LEVEL 55.23 BELOW LSD, AUG. 27, 1962.
 RECORDS AVAILABLE 1955-62, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	41.49						

300636093074601 LOCAL WELL NUMBER: CU-164

OWNER: MRS. C. M. VALLET AND OTHERS. (SEC. 13, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 359 FT, SCREENED 257-359. MP LOWER LIP OF DISCHARGE PIPE, 4.30 FT ABOVE LSD.
 LSD 10.50 FT NGVD.
 HIGHEST WATER LEVEL 25.25 BELOW LSD, APR. 14, 1959,
 LOWEST WATER LEVEL 72.01 BELOW LSD, AUG. 27, 1962.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	46.58						

300400093091701 LOCAL WELL NUMBER: CU-167

OWNER: L. G. WITTLER. (SEC. 35, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 350 FT, SCREENED 250-350. MP LOWER EDGE OF DISCHARGE PIPE, 9.48 FT ABOVE LSD.
 LSD 7.80 FT NGVD.
 HIGHEST WATER LEVEL 25.08 BELOW LSD, APR. 5, 1956,
 LOWEST WATER LEVEL 65.33 BELOW LSD, AUG. 27, 1962.
 RECORDS AVAILABLE 1955-62, 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	40.87						

300440093084501 LOCAL WELL NUMBER: CU-168

OWNER: A. L. GAYLE. (SEC. 26, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 375 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF DISCHARGE PIPE, 4.95 FT ABOVE LSD.
 LSD 7.81 FT NGVD.
 HIGHEST WATER LEVEL 28.64 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 67.56 BELOW LSD, AUG. 27, 1962.
 RECORDS AVAILABLE 1958-62, 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	44.45						

300816093093701 LOCAL WELL NUMBER: CU-172

OWNER: ERNEST COBENA. (SEC. 2, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 630 FT, SCREENED 544-630. MP LOWER LIP OF DISCHARGE PIPE, 0.63 FT ABOVE LSD.
 LSD 15.65 FT NGVD.
 HIGHEST WATER LEVEL 47.97 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 81.45 BELOW LSD, SEP. 10, 1971.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	73.91						

300930093091501 LOCAL WELL NUMBER: CU-173

OWNER: R. W. PEYTON AND OTHERS. (SEC. 26, T. 10S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 726 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.3 FT ABOVE LSD. (SINCE 3/1/78).
 LSD 23.53 FT NGVD.
 HIGHEST WATER LEVEL 28.79 BELOW LSD, MAR. 10, 1947,
 LOWEST WATER LEVEL 91.15 BELOW LSD, MAR. 16, 1976.
 RECORDS AVAILABLE 1946-50, 1952-60, 1963-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	85.60						

CALCASIEU PARISH

301641093083501 LOCAL WELL NUMBER: CU-193

OWNER: IDA B. CASTILE AND OTHERS. (SEC. 13, T. 9S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 442 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN TEE, 2.71 FT ABOVE LSD.
 LSD 10.64 FT NGVD.
 HIGHEST WATER LEVEL 42.78 BELOW LSD, MAR. 26, 1962,
 LOWEST WATER LEVEL 72.07 BELOW LSD, FEB. 22, 1971.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	55.46						

302700093253701 LOCAL WELL NUMBER: CU-213

OWNER: A. A. DAVIS. (SEC. 18, T. 7S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 658 FT, SCREENED 574-658. MP TOP OF COUPLING IN CASING COVER, 1.85 FT ABOVE LSD.
 LSD 71.05 FT NGVD.
 HIGHEST WATER LEVEL 61.37 BELOW LSD, NOV. 26, 1963,
 LOWEST WATER LEVEL 82.15 BELOW LSD, AUG. 22, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	82.14						

302659093253601 LOCAL WELL NUMBER: CU-215

OWNER: NICHOLS INDUSTRIES. (SEC. 18, T. 7S., R. 10W.) DRILLED INDUSTRIAL ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 365 FT, SCREENED 305-365. MP IS AT LAND SURFACE.
 LSD 70.55 FT NGVD.
 HIGHEST WATER LEVEL 57.39 BELOW LSD, APR. 27, 1964,
 LOWEST WATER LEVEL 73.43 BELOW LSD, JAN. 6, 1971.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	68.44						

301115093191501 LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, DEPTH 540 FT, SCREENED 460-540. MP TOP OF RECORDER SHELTER FLOOR, 2.00 FT ABOVE LSD.
 LSD 12.26 FT NGVD.
 HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947,
 LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1977	168.88H	JAN. 10, 1978	163.58	APR. 5, 1978	155.78	JULY 5, 1978	166.74
OCT. 5	166.44	JAN. 15	158.69	APR. 10	157.44	JULY 10	168.10
OCT. 10	166.99	JAN. 20	160.25	APR. 15	156.99	JULY 15	167.63
OCT. 15	162.37	JAN. 23	160.23H	APR. 20	157.22	JULY 20	165.78H
OCT. 20	163.64	JAN. 25	158.28	APR. 25	157.51H	JULY 25	164.21
OCT. 25	164.92	JAN. 31	159.28	APR. 30	158.62	JULY 31	166.72
OCT. 31	164.20	FEB. 5	154.23	MAY 5	158.54	AUG. 5	169.09
NOV. 5	163.86	FEB. 10	155.20	MAY 10	162.20	AUG. 10	168.61
NOV. 9	162.85H	FEB. 15	152.71	MAY 15	163.08	AUG. 15	167.37
NOV. 10	161.52	FEB. 20	153.58	MAY 17	161.35H	AUG. 16	168.81H
NOV. 15	162.62	FEB. 25	154.24	MAY 20	162.76	AUG. 20	168.23
NOV. 20	161.95	FEB. 28	153.54	MAY 25	164.80	AUG. 25	166.05
NOV. 25	163.29	MAR. 3	152.89H	MAY 31	165.72	AUG. 31	166.30
NOV. 30	162.06	MAR. 5	151.62	JUNE 5	166.98	SEP. 5	163.71
DEC. 5	160.79	MAR. 10	152.28	JUNE 10	167.49	SEP. 10	162.87
DEC. 10	159.89	MAR. 15	154.68	JUNE 15	165.35	SEP. 15	162.82
DEC. 15	157.59	MAR. 20	154.15	JUNE 20	166.63	SEP. 20	163.16
DEC. 20	155.47H	MAR. 25	152.37	JUNE 23	165.80H	SEP. 25	162.10
DEC. 25	159.99	MAR. 28	152.88H	JUNE 25	165.90	SEP. 27	161.68H
DEC. 31	160.47	MAR. 31	155.83	JUNE 30	165.50	SEP. 30	161.60
JAN. 5, 1978	161.26						

See footnotes at end of table.

301115093191001 LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 738 FT, SCREENED 658-738. MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD.
 LSD 12.40 FT NGVD.
 HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946,
 LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1977	121.80H	JAN. 10, 1978	117.49	APR. 5, 1978	114.59	JULY 5, 1978	125.40
OCT. 5	121.59	JAN. 15	117.47	APR. 10	114.90	JULY 10	126.12
OCT. 10	121.68	JAN. 20	117.67	APR. 15	115.22	JULY 15	126.53
OCT. 15	121.12	JAN. 23	117.37H	APR. 20	115.23	JULY 20	126.18H
OCT. 20	120.67	JAN. 25	117.14	APR. 25	115.22	JULY 25	125.48
OCT. 25	120.48	JAN. 31	117.52	APR. 30	115.76	JULY 31	125.44
OCT. 31	120.04	FEB. 5	116.35	MAY 5	117.11	AUG. 5	125.70
NOV. 5	119.59	FEB. 10	115.68	MAY 10	118.71	AUG. 10	125.85
NOV. 9	119.49H	FEB. 15	115.36	MAY 15	119.88	AUG. 15	125.62
NOV. 10	119.69	FEB. 20	114.80	MAY 17	120.37H	AUG. 16	125.54H
NOV. 15	118.71	FEB. 25	114.91	MAY 20	120.80	AUG. 20	125.60
NOV. 20	118.68	FEB. 28	114.70	MAY 25	122.11	AUG. 25	125.28
NOV. 25	118.57	MAR. 3	114.58H	MAY 31	123.50	AUG. 31	124.63
NOV. 30	118.13	MAR. 5	114.39	JUNE 5	124.12	SEP. 5	123.84
DEC. 5	117.75	MAR. 10	114.08	JUNE 10	124.33	SEP. 10	123.17
DEC. 10	117.63	MAR. 15	113.94	JUNE 15	124.09	SEP. 15	122.68
DEC. 15	117.42	MAR. 20	114.30	JUNE 20	123.94	SEP. 20	122.10
DEC. 20	117.30	MAR. 25	113.97	JUNE 23	123.83H	SEP. 25	121.49
DEC. 25	117.03	MAR. 28	113.75H	JUNE 25	123.91	SEP. 27	121.14H
DEC. 31	117.05	MAR. 31	113.97	JUNE 30	124.62	SEP. 30	120.89
JAN. 5, 1978	116.93						

300646093044301 LOCAL WELL NUMBER: CU-451

OWNER: AMOCO PETROLEUM. (SEC. 3, T. 11S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 380 FT, SCREENED 300-380. MP LOWER LIP OF DISCHARGE PIPE, 4.06 FT ABOVE LSD.
 LSD 20.53 FT NGVD.
 HIGHEST WATER LEVEL 25.08 BELOW LSD, MAY 22, 1947,
 LOWEST WATER LEVEL 68.44 BELOW LSD, SEP. 19, 1951.
 RECORDS AVAILABLE 1946-59, 1962, 1972, 1975-76, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	58.17						

300910093224001 LOCAL WELL NUMBER: CU-453

OWNER: COOPER PATTERSON. (SEC. 34, T. 10S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 9 IN, REPORTED DEPTH 345 FT, SCREENED 261-345. MP LOWER LIP OF DISCHARGE PIPE, 4.25 FT ABOVE LSD.
 LSD 13.18 FT NGVD.
 HIGHEST WATER LEVEL 30.65 BELOW LSD, MAY 1, 1950,
 LOWEST WATER LEVEL 67.11 BELOW LSD, MAR. 1, 1978.
 RECORDS AVAILABLE 1948-62, 1972, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	67.11						

301424093125301 LOCAL WELL NUMBER: CU-457

OWNER: GREATER LAKE CHAS. WATER CO. (SEC. 31, T. 9S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 10 IN, DEPTH 697 FT, SCREENED 617-697. MP VENT IN SIDE OF CASING, 2.5 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 30.00 BELOW LSD, OCT. 17, 1946,
 LOWEST WATER LEVEL 107.45 BELOW LSD, MAR. 24, 1976.
 RECORDS AVAILABLE 1946, 1976, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 7, 1978	104.78						

See footnotes at end of table.

GROUND-WATER LEVELS

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CALCASIEU PARISH

301714093234201 LOCAL WELL NUMBER: CU-510

OWNER: MRS. LULA JOHNSON. (SEC. 9, T. 9S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 13 TO 10 IN, REPORTED DEPTH 450 FT, SCREENED 370-450. MP LOWER LIP OF DISCHARGE PIPE, 3.50 FT ABOVE LSD.
 LSD 19.75 FT NGVD.
 HIGHEST WATER LEVEL 41.29 BELOW LSD, MAR. 15, 1955,
 LOWEST WATER LEVEL 85.04 BELOW LSD, FEB. 27, 1973.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	77.83						

302228093140301 LOCAL WELL NUMBER: CU-517

OWNER: SWEETLAKE LAND AND OIL CO. (SEC. 12, T. 8S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 439 FT, SCREENED 357-439. MP LOWER LIP OF DISCHARGE PIPE, 7.1 FT ABOVE LSD. (SINCE 3/2/78).
 LSD 38.80 FT NGVD.
 HIGHEST WATER LEVEL 45.24 BELOW LSD, APR. 4, 1956,
 LOWEST WATER LEVEL 76.19 BELOW LSD, MAR. 11, 1976.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	69.00						

300806093360601 LOCAL WELL NUMBER: CU-530

OWNER: MATILDA GRAY ESTATE. (SEC. 4, T. 11S., R. 12W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 595 FT, SCREENED 515-595. MP LOWER LIP OF DISCHARGE PIPE, AT LAND SURFACE.
 LSD 9.32 FT NGVD.
 HIGHEST WATER LEVEL 22.42 BELOW LSD, MAR. 16, 1955,
 LOWEST WATER LEVEL 57.40 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	55.44						

302347093272901 LOCAL WELL NUMBER: CU-548

OWNER: CIRCLE DRILLING CO. (SEC. 2, T. 8S., R. 11W.) DRILLED INDUSTRIAL ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, REPORTED DEPTH 250 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN AIRLINE, 4.0 FT ABOVE LSD.
 LSD 42.00 FT NGVD.
 HIGHEST WATER LEVEL 32.21 BELOW LSD, APR. 1, 1954,
 LOWEST WATER LEVEL 53.94 BELOW LSD, FEB. 29, 1972.
 RECORDS AVAILABLE 1954-62, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	50.66						

300312093073801 LOCAL WELL NUMBER: CU-549

OWNER: WALKER-LA. PROPERTIES. (SEC. 30, T. 11S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, REPORTED DEPTH 360 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.99 FT ABOVE LSD.
 LSD 6.81 FT NGVD.
 HIGHEST WATER LEVEL 25.67 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 55.31 BELOW LSD, AUG. 27, 1963.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	40.91						

301430093162401 LOCAL WELL NUMBER: CU-561

OWNER: CONTINENTAL OIL CO. (SEC. 34, T. 9S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 287 FT, SCREENED 227-287. MP SQUARE HOLE IN BRASS PLUG, AT LAND SURFACE.

LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 64.10 BELOW LSD, MAR. 9, 1977.
LOWEST WATER LEVEL 69.91 BELOW LSD, FEB. 29, 1972.
RECORDS AVAILABLE 1972-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	64.82						

302050093402101 LOCAL WELL NUMBER: CU-569

OWNER: EDGERLY RICE DRYER. (SEC. 23, T. 8S., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20, DEPTH 450 FT, SCREENED 370-450. MP TOP 1/2-IN HOLE, DRILLED IN COVER AT LSD.

LSD 32.00 FT NGVD.
HIGHEST WATER LEVEL 38.68 BELOW LSD, MAR. 8, 1977.
LOWEST WATER LEVEL 42.62 BELOW LSD, AUG. 27, 1976.
RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	39.72						

301945093291301 LOCAL WELL NUMBER: CU-570

OWNER: INDUSTRIAL LUMBER CO. (SEC. 28, T. 8S., R. 11W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 12 IN, REPORTED DEPTH 400 FT, SCREENED INTERVAL UNKNOWN. MP IS OPENING TO CASING IN PUMP BASE AT 3/4-IN NIPPLE BELOW DRIVE SHAFT U-JOINT, 1.1 FT ABOVE LSD. (SINCE 3/1/78).

LSD 35.16 FT NGVD.
HIGHEST WATER LEVEL 37.28 BELOW LSD, SEP. 25, 1957.
LOWEST WATER LEVEL 65.45 BELOW LSD, MAR. 1, 1973.
RECORDS AVAILABLE 1955-76, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	55.45						

301450093251002 LOCAL WELL NUMBER: CU-581

OWNER: PPG INDUSTRIES. (SEC. 30, T. 9S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 8 IN, REPORTED DEPTH 469 FT, SCREENED 409-469. MP TOP OF 16-IN CASING, 0.80 FT ABOVE LSD.

LSD 14.44 FT NGVD.
HIGHEST WATER LEVEL 49.38 BELOW LSD, JAN. 7, 1963.
LOWEST WATER LEVEL 78.33 BELOW LSD, MAR. 4, 1974.
RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	77.62						

301428093131201 LOCAL WELL NUMBER: CU-587

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 31, T. 9S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, DEPTH 626 FT, SCREENED 538-626. MP VENT IN CASING, 1.0 FT ABOVE LSD.

LSD 15.00 FT NGVD.
HIGHEST WATER LEVEL 94.68 BELOW LSD, MAR. 6, 1978.
LOWEST WATER LEVEL 94.68 BELOW LSD, MAR. 6, 1978.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1978	94.68						

GROUND-WATER LEVELS

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CALCASIEU PARISH

300818093224601 LOCAL WELL NUMBER: CU-614

OWNER: MAURICE DROST. (SEC. 3, T. 11S., R. 10 W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 11 IN, REPORTED DEPTH 545 FT, SCREENED 465-545. MP LOWER LIP OF DISCHARGE PIPE, 5.30 FT ABOVE LSD.
 LSD 10.31 FT NGVD.
 HIGHEST WATER LEVEL 44.41 BELOW LSD, MAR. 14, 1955,
 LOWEST WATER LEVEL 89.91 BELOW LSD, MAR. 4, 1974.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	87.36						

302240093400001 LOCAL WELL NUMBER: CU-625

OWNER: EDGERLY RICE DRYER. (SEC. 11, T. 8S., R. 13W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 460 FT, SCREENED 380-460. MP LOWER LIP OF DISCHARGE PIPE, 6.5 FT ABOVE LSD.
 LSD 48.56 FT NGVD.
 HIGHEST WATER LEVEL 30.84 BELOW LSD, APR. 3, 1956,
 LOWEST WATER LEVEL 49.04 BELOW LSD, AUG. 26, 1964.
 RECORDS AVAILABLE 1954-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	47.55						

302044093160401 LOCAL WELL NUMBER: CU-632

OWNER: QUATRE PARISH CO. (SEC. 22, T. 8S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, REPORTED DEPTH 202 FT, SCREENED 142-202. MP LOWER LIP OF DISCHARGE PIPE, 8.0 FT ABOVE LSD.
 LSD 25.45 FT NGVD.
 HIGHEST WATER LEVEL 31.68 BELOW LSD, APR. 28, 1958,
 LOWEST WATER LEVEL 46.90 BELOW LSD, MAR. 9, 1969.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	43.67						

300935093171101 LOCAL WELL NUMBER: CU-634

OWNER: A. MILLER (SEC. 28, T. 10S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 578 FT, SCREENED 498-578. MP LOWER LIP OF DISCHARGE PIPE, 4.93 FT ABOVE LSD.
 LSD 18.36 FT NGVD.
 HIGHEST WATER LEVEL 108.19 BELOW LSD, FEB. 16, 1971,
 LOWEST WATER LEVEL 118.31 BELOW LSD, MAR. 1, 1978.
 RECORDS AVAILABLE 1971-74, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	118.31						

301250093321101 LOCAL WELL NUMBER: CU-635

OWNER: E. C. FONTENOT. (SEC. 6, T. 10S., R. 11W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 10 IN, REPORTED DEPTH 460 FT, SCREENED 360-460. MP LOWER LIP OF DISCHARGE PIPE, 8.50 FT ABOVE LSD.
 LSD 19.92 FT NGVD.
 HIGHEST WATER LEVEL 33.38 BELOW LSD, MAR. 31, 1955,
 LOWEST WATER LEVEL 80.62 BELOW LSD, JULY 17, 1974.
 RECORDS AVAILABLE 1955-57, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	65.93						

301438093025901 LOCAL WELL NUMBER: CU-640

OWNER: AMY WAITE ESTATE. (SEC. 26, T. 9S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 200 FT, SCREENED 140-200. MP LOWER LIP OF DISCHARGE PIPE, 5.40 FT ABOVE LSD.
 LSD 20.55 FT NGVD.
 HIGHEST WATER LEVEL 35.84 BELOW LSD, APR. 18, 1960.
 LOWEST WATER LEVEL 60.59 BELOW LSD, SEP. 4, 1963.
 RECORDS AVAILABLE 1955-60, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1978	53.25						

300714093074801 LOCAL WELL NUMBER: CU-641

OWNER: WALKER-LA. PROPERTIES. (SEC. 12, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 368 FT, SCREENED 268-368. MP LOWER LIP OF DISCHARGE PIPE, 12.10 FT ABOVE LSD.
 LSD 11.50 FT NGVD.
 HIGHEST WATER LEVEL 48.47 BELOW LSD, MAR. 11, 1976.
 LOWEST WATER LEVEL 49.53 BELOW LSD, FEB. 22, 1972.
 RECORDS AVAILABLE 1972-73, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	48.77						

301641093035901 LOCAL WELL NUMBER: CU-642

OWNER: F. HEYD. (SEC. 10, T. 9S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 14 TO 8 IN, REPORTED DEPTH 287 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.40 FT ABOVE LSD.
 LSD 19.00 FT NGVD.
 HIGHEST WATER LEVEL 52.48 BELOW LSD, MAR. 7, 1975.
 LOWEST WATER LEVEL 55.79 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	53.59						

300637093041201 LOCAL WELL NUMBER: CU-647

OWNER: SWEETLAKE LAND AND OIL CO. (SEC. 10, T. 11S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 400 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.12 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 44.52 BELOW LSD, MAR. 11, 1976.
 LOWEST WATER LEVEL 48.78 BELOW LSD, FEB. 27, 1975.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	44.78						

301154093123801 LOCAL WELL NUMBER: CU-661

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 8, T. 10S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, DEPTH 729 FT, SCREENED 649-729. MP VENT OF TOP OF CASING, 0.6 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 96.17 BELOW LSD, MAR. 10, 1977.
 LOWEST WATER LEVEL 96.60 BELOW LSD, MAR. 6, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1978	96.60						

GROUND-WATER LEVELS

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CALCASIEU PARISH

301713093173901 LOCAL WELL NUMBER: CU-667

OWNER: GULF STATES UTILITIES CO. (SEC. 9, T. 9S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 457 FT, SCREENED 447-457. MP TOP OF CASING FLANGE, 2.0 FT ABOVE LSD.
 LSD 17.91 FT NGVD.
 HIGHEST WATER LEVEL 72.49 BELOW LSD, MAR. 30, 1963,
 LOWEST WATER LEVEL 106.56 BELOW LSD, FEB. 19, 1971.
 RECORDS AVAILABLE 1962-74, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	97.88						

301036093124502 LOCAL WELL NUMBER: CU-684

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 20, T. 10S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, DEPTH 548 FT, SCREENED 488-548. MP VENT IN CASING, 1.0 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 104.34 BELOW LSD, MAR. 6, 1978,
 LOWEST WATER LEVEL 104.34 BELOW LSD, MAR. 6, 1978.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1978	104.34						

300540093130301 LOCAL WELL NUMBER: CU-688

OWNER: WALKER-LA. PROPERTIES. (SEC. 19, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 14 IN, REPORTED DEPTH 694 FT, SCREENED 614-694. MP LOWER LIP OF DISCHARGE PIPE, 5.6 FT ABOVE LSD.
 LSD 10.96 FT NGVD.
 HIGHEST WATER LEVEL 42.78 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 75.00 BELOW LSD, FEB. 24, 1975.
 RECORDS AVAILABLE 1958-69, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	73.19						

301033093160801 LOCAL WELL NUMBER: CU-713

OWNER: LAKE CHARLES COUNTRY CLUB. (SEC. 22, T. 10S., R. 9W.) DRILLED RECREATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 210 FT, SCREENED 190-210. MP PLUG HOLE IN PUMP BASE, AT LAND SURFACE.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 48.42 BELOW LSD, FEB. 21, 1972,
 LOWEST WATER LEVEL 72.03 BELOW LSD, MAR. 16, 1976.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	66.60						

301420093130701 LOCAL WELL NUMBER: CU-718

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 30, T. 9S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 500 FT, SCREENED 400-500. MP VENT OF TOP OF CASING, 1.0 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 99.49 BELOW LSD, MAR. 10, 1977,
 LOWEST WATER LEVEL 101.58 BELOW LSD, MAR. 6, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1978	101.58						

300816093125101 LOCAL WELL NUMBER: CU-724

OWNER: LAKE CHARLES MUNICIPAL AIRPORT. (SEC. 6, T. 11S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 653 FT, SCREENED 573-653. MP TOP OF LOWER LIP OF PIPE COUPLING, 0.84 FT ABOVE LSD.
 LSD 18.37 FT NGVD.
 HIGHEST WATER LEVEL 61.50 BELOW LSD, MAR. 27, 1962,
 LOWEST WATER LEVEL 97.14 BELOW LSD, SEP. 10, 1971.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	81.80						

301404093170501 LOCAL WELL NUMBER: CU-725

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 640 FT, SCREENED 630-640. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 17.50 FT NGVD.
 HIGHEST WATER LEVEL 98.10 BELOW LSD, MAR. 2, 1962,
 LOWEST WATER LEVEL 147.59 BELOW LSD, MAY 19, 1978.
 RECORDS AVAILABLE 1961-72, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	141.99	MAY 19	147.59				

301404093170502 LOCAL WELL NUMBER: CU-726

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 351 FT, SCREENED 341-351. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 17.38 FT NGVD.
 HIGHEST WATER LEVEL 100.59 BELOW LSD, OCT. 21, 1975,
 LOWEST WATER LEVEL 148.97 BELOW LSD, FEB. 20, 1971.
 RECORDS AVAILABLE 1962-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	118.60	MAY 19	119.13				

301405093171006 LOCAL WELL NUMBER: CU-730

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 165 FT, SCREENED 155-165. MP TOP OF 2-IN PIPE, 1.60 FT ABOVE LSD.
 LSD 17.67 FT NGVD.
 HIGHEST WATER LEVEL 54.64 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 85.66 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977	73.63	FEB. 28, 1978	73.03	MAY 19, 1978	73.78	AUG. 16, 1978	77.25
DEC. 20	74.05	MAR. 29	72.90	JUNE 21	75.60	SEP. 22	77.40
JAN. 17, 1978	74.42	APR. 25	73.27	JULY 19	77.08		

301256093172001 LOCAL WELL NUMBER: CU-731

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 659 FT, SCREENED 650-659. MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 11.79 FT NGVD.
 HIGHEST WATER LEVEL 87.33 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 142.88 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	129.94						

GROUND-WATER LEVELS

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CALCASIEU PARISH

301256093172002 LOCAL WELL NUMBER: CU-732

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 492 FT, SCREENED 480-492. MP TOP OF 2-IN CASING, 1.28 FT ABOVE LSD.
 LSD 12.08 FT NGVD.
 HIGHEST WATER LEVEL 90.15 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 148.01 BELOW LSD, OCT. 2, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	133.91						

301256093172003 LOCAL WELL NUMBER: CU-733

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 201 FT, SCREENED 191-201. MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 12.16 FT NGVD.
 HIGHEST WATER LEVEL 49.54 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 74.90 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	69.00						

301314093165501 LOCAL WELL NUMBER: CU-737

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 699 FT, SCREENED 689-699. MP TOP OF 1-IN CASING, 3.35 FT ABOVE LSD.
 LSD 6.89 FT NGVD.
 HIGHEST WATER LEVEL 87.66 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 145.17 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977	136.59	MAR. 2, 1978	132.93	MAY 26, 1978	139.59	AUG. 16, 1978	144.39
DEC. 20	132.59	MAR. 29	133.00	JUNE 21	140.54	SEP. 27	138.06
JAN. 31, 1978	136.72	APR. 25	131.29	JULY 21	142.56		

301315093165501 LOCAL WELL NUMBER: CU-738

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 550-560. MP TOP OF 2-IN CASING, 1.66 FT ABOVE LSD.
 LSD 6.57 FT NGVD.
 HIGHEST WATER LEVEL 91.64 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 152.55 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	136.35	JUNE 21	143.28				

301315093165502 LOCAL WELL NUMBER: CU-739

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 201 FT, SCREENED 191-201. MP TOP OF 2-IN PIPE, 1.91 FT ABOVE LSD.
 LSD 6.63 FT NGVD.
 HIGHEST WATER LEVEL 32.14 BELOW LSD, JAN. 21, 1975,
 LOWEST WATER LEVEL 68.83 BELOW LSD, JAN. 24, 1973.
 RECORDS AVAILABLE 1962-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	64.44	JUNE 21	66.66				

LOUISIANA - CALCASIEU PARISH

301300093161601 LOCAL WELL NUMBER: CU-746

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 780 FT, SCREENED 770-780. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 7.22 FT NGVD.
 HIGHEST WATER LEVEL 80.32 BELOW LSD, APR. 30, 1962,
 LOWEST WATER LEVEL 131.63 BELOW LSD, MAR. 8, 1969.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	119.13	JUNE 21	112.00				

301300093161602 LOCAL WELL NUMBER: CU-747

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 540 FT, SCREENED 530-540. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 7.17 FT NGVD.
 HIGHEST WATER LEVEL 88.60 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 134.14 BELOW LSD, JUNE 21, 1978.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	126.72	JUNE 21	134.14				

301300093161603 LOCAL WELL NUMBER: CU-748

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 280 FT, SCREENED 270-280. MP TOP OF 2-IN CASING, 2.12 FT ABOVE LSD.
 LSD 7.15 FT NGVD.
 HIGHEST WATER LEVEL 43.52 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 69.76 BELOW LSD, NOV. 25, 1968.
 RECORDS AVAILABLE 1963-73, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	62.27	JUNE 21	64.15				

301321093125501 LOCAL WELL NUMBER: CU-755

OWNER: PURE ICE CO. (SEC. 6, T. 10S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 6 IN, REPORTED DEPTH 430 FT, SCREENED 370-430. MP ACCESS HOLE IN PUMP BASE, 2.83 FT ABOVE LSD.
 LSD 8.29 FT NGVD.
 HIGHEST WATER LEVEL 67.72 BELOW LSD, APR. 1, 1963,
 LOWEST WATER LEVEL 111.17 BELOW LSD, SEP. 10, 1971.
 RECORDS AVAILABLE 1962-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	93.59						

300617092554101 LOCAL WELL NUMBER: CU-761

OWNER: JOSEPH PRIMEAUX. (SEC. 7, T. 11S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 385 FT, SCREENED 302-385. MP TOP OF TAP HOLE IN DISCHARGE PIPE, 2.0 FT ABOVE LSD.
 LSD 9.61 FT NGVD.
 HIGHEST WATER LEVEL 29.55 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 49.46 BELOW LSD, AUG. 25, 1965.
 RECORDS AVAILABLE 1962-66, 1968-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	40.15						

CALCASIEU PARISH

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 850 FT, SCREENED 840-850. MP TOP OF 2-IN CASING, 1.99 FT ABOVE LSD.
 LSD 11.42 FT NGVD.
 HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963.
 LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	94.84	FEB. 16, 1978	90.87	MAY 23, 1978	102.06	AUG. 16, 1978	101.49
DEC. 9	92.26	MAR. 30	90.39	JUNE 23	102.73	SEP. 27	97.66
JAN. 17, 1978	92.13	APR. 28	94.74	JULY 19	105.46		

301036093124402 LOCAL WELL NUMBER: CU-768

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 306 FT, SCREENED 296-306. MP TOP OF 2-IN CASING, 2.40 FT ABOVE LSD.
 LSD 11.53 FT NGVD.
 HIGHEST WATER LEVEL 53.00 BELOW LSD, MAR. 29, 1963.
 LOWEST WATER LEVEL 89.59 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	77.05	FEB. 16, 1978	74.46	MAY 23, 1978	78.40	AUG. 16, 1978	81.98
DEC. 9	75.38	MAR. 30	73.65	JUNE 23	80.79	SEP. 27	80.08
JAN. 17, 1978	75.84	APR. 28	74.68	JULY 19	83.02		

301336093183001 LOCAL WELL NUMBER: CU-769

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 642 FT, SCREENED 632-642. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 17.62 FT NGVD.
 HIGHEST WATER LEVEL 91.56 BELOW LSD, MAR. 28, 1963.
 LOWEST WATER LEVEL 146.44 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	132.42						

301336093183003 LOCAL WELL NUMBER: CU-770

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 490 FT, SCREENED 480-490. MP TOP OF 2-IN CASING, 2.13 FT ABOVE LSD.
 LSD 17.54 FT NGVD.
 HIGHEST WATER LEVEL 91.77 BELOW LSD, MAR. 28, 1963.
 LOWEST WATER LEVEL 146.72 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	132.70						

301336093183002 LOCAL WELL NUMBER: CU-771

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF 2-IN CASING, 2.02 FT ABOVE LSD.
 LSD 17.76 FT NGVD.
 HIGHEST WATER LEVEL 54.97 BELOW LSD, MAR. 28, 1963.
 LOWEST WATER LEVEL 83.83 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	74.44						

301814093384001 LOCAL WELL NUMBER: CU-781

OWNER: EDGERLY RICE DRYER. (SEC. 1, T. 9S., R. 13W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 12 IN, REPORTED DEPTH 460 FT, SCREENED 380-460. MP LOWER LIP OF DISCHARGE PIPE, 5.16 FT ABOVE LSD.

LSD 34.59 FT NGVD.

HIGHEST WATER LEVEL 38.75 BELOW LSD, APR. 4, 1964,

LOWEST WATER LEVEL 58.00 BELOW LSD, SEP. 13, 1971.

RECORDS AVAILABLE 1964-74, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	52.17						

301218093175801 LOCAL WELL NUMBER: CU-784

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 532, SCREENED 522-532. MP TOP OF 2-IN PLASTIC PIPE, 2.0 FT ABOVE LSD.

LSD 10.78 FT NGVD.

HIGHEST WATER LEVEL 89.65 BELOW LSD, APR. 8, 1964,

LOWEST WATER LEVEL 144.88 BELOW LSD, JULY 25, 1974.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	128.09						

300820093131903 LOCAL WELL NUMBER: CU-786U

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 11S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 840 FT, SCREENED 830-840. MP TOP OF 4-IN CASING, 2.63 FT ABOVE LSD.

LSD 13.25 FT NGVD.

HIGHEST WATER LEVEL 62.19 BELOW LSD, APR. 14, 1965,

LOWEST WATER LEVEL 104.48 BELOW LSD, JULY 21, 1971.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 15, 1978	84.79	JUNE 16	97.16				

300820093131904 LOCAL WELL NUMBER: CU-786L

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 11S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 880 FT, SCREENED 870-880. MP TOP OF 4-IN CASING, 2.63 FT ABOVE LSD.

LSD 13.25 FT NGVD.

HIGHEST WATER LEVEL 62.32 BELOW LSD, APR. 14, 1965,

LOWEST WATER LEVEL 100.71 BELOW LSD, JULY 30, 1973.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 15, 1978	84.90	JUNE 16	95.97				

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 734 FT, SCREENED 729-734. MP TOP OF 2-IN CASING, 4.0 FT ABOVE LSD.

LSD 4.33 FT NGVD.

HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965,

LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 14, 1978	69.22						

GROUND-WATER LEVELS

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CALCASIEU PARISH

300825093260801 LOCAL WELL NUMBER: CU-788

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 10S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 805 FT, SCREENED 800-805. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 6.11 FT NGVD.
 HIGHEST WATER LEVEL 47.61 BELOW LSD, APR. 12, 1965,
 LOWEST WATER LEVEL 77.82 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 14, 1978	69.25						

301100093200001 LOCAL WELL NUMBER: CU-789

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 640 FT, SCREENED 635-640. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 18.42 FT NGVD.
 HIGHEST WATER LEVEL 86.31 BELOW LSD, APR. 12, 1965,
 LOWEST WATER LEVEL 131.68 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1978	115.18	MAY 18	120.14				

300855093155502 LOCAL WELL NUMBER: CU-795

OWNER: MELVIN ROSFELD. (SEC. 34, T. 10S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 623 FT, SCREENED 543-623. MP LOWER LIP OF DISCHARGE PIPE, 6.50 FT ABOVE LSD.
 LSD 15.43 FT NGVD.
 HIGHEST WATER LEVEL 73.09 BELOW LSD, APR. 1, 1965,
 LOWEST WATER LEVEL 111.39 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	107.79						

301339093074701 LOCAL WELL NUMBER: CU-796

OWNER: U. S. GEOL. SURVEY (SEC. 36, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 490 FT, SCREENED 485-490. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
 LSD 10.76 FT NGVD.
 HIGHEST WATER LEVEL 58.88 BELOW LSD, MAR. 20, 1967,
 LOWEST WATER LEVEL 73.10 BELOW LSD, FEB. 26, 1974.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	72.10						

300919093055601 LOCAL WELL NUMBER: CU-798

OWNER: E. O. DAUGHENBAUGH AND SON. (SEC. 29, T. 10S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, REPORTED DEPTH 345 FT, SCREENED 265-345. MP LOWER LIP OF DISCHARGE PIPE, 11.62 FT ABOVE LSD. (SINCE 3/1/78)
 LSD 25.43 FT NGVD.
 HIGHEST WATER LEVEL 53.79 BELOW LSD, MAR. 20, 1967,
 LOWEST WATER LEVEL 65.95 BELOW LSD, FEB. 19, 1971.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	59.32						

301407093145201 LOCAL WELL NUMBER: CU-810

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 676 FT, SCREENED 666-676. MP TOP OF 2-IN CASING, 2.8 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 111.03 BELOW LSD, FEB. 20, 1976.
 LOWEST WATER LEVEL 124.95 BELOW LSD, SEP. 20, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	113.87						

300812093165802 LOCAL WELL NUMBER: CU-811

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 923 FT, SCREENED 912-923. MP TOP OF 2-IN CASING, 1.65 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 90.60 BELOW LSD, MAR. 4, 1976.
 LOWEST WATER LEVEL 99.85 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	91.80						

301148093193201 LOCAL WELL NUMBER: CU-842

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 575 FT, SCREENED 572-575. MP TOP OF 1 1/4-IN PIPE, 1.95 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 141.67 BELOW LSD, FEB. 25, 1976.
 LOWEST WATER LEVEL 160.98 BELOW LSD, SEP. 10, 1973.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1978	145.92	MAY 18	149.75				

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 205 FT, SCREENED 200-205. MP TOP OF 2-IN PIPE, 2.63 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 65.92 BELOW LSD, FEB. 25, 1976.
 LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1976	69.98	MAY 18	66.97				

301148093193203 LOCAL WELL NUMBER: CU-844

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 430 FT, SCREENED 425-430. MP TOP OF 2-IN PIPE, 2.82 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 139.58 BELOW LSD, MAR. 19, 1975.
 LOWEST WATER LEVEL 162.39 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1978	144.87	MAY 18	148.75				

GROUND-WATER LEVELS

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CALCASIEU PARISH

301230093193202 LOCAL WELL NUMBER: CU-847

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 522 FT, SCREENED 517-522. MP TOP OF 2-IN CASING, 1.58 FT ABOVE LSD.
 LSD 13.00 FT NGVD.
 HIGHEST WATER LEVEL 122.93 BELOW LSD, MAR. 12, 1976.
 LOWEST WATER LEVEL 140.65 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1978	126.72	MAY 16	132.11				

301043093201601 LOCAL WELL NUMBER: CU-848

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 542 FT, SCREENED 537-542. MP TOP OF 2-IN CASING, 1.0 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 146.16 BELOW LSD, FEB. 28, 1975.
 LOWEST WATER LEVEL 166.65 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	147.46	JUNE 23	159.02				

301205093182501 LOCAL WELL NUMBER: CU-849

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 8, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 564 FT, SCREENED 559-564. MP TOP OF 2-IN CASING, 1.42 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 124.54 BELOW LSD, MAR. 12, 1976.
 LOWEST WATER LEVEL 162.33 BELOW LSD, OCT. 17, 1973.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	128.16	MAY 16	133.89				

301200093191901 LOCAL WELL NUMBER: CU-850

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 548 FT, SCREENED 543-548. MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 128.81 BELOW LSD, FEB. 27, 1976.
 LOWEST WATER LEVEL 148.75 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1978	133.04	MAY 16	138.75				

301213093191701 LOCAL WELL NUMBER: CU-851

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 555 FT, SCREENED 550-555. MP TOP OF 2-IN CASING, 1.16 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 121.97 BELOW LSD, MAR. 5, 1973.
 LOWEST WATER LEVEL 145.67 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	129.89	MAY 16	135.53				

301153093192101 LOCAL WELL NUMBER: CU-852

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 555-560. MP TOP OF 2-IN CASING, 4.40 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 104.11 BELOW LSD, MAR. 18, 1973,
 LOWEST WATER LEVEL 154.60 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	137.17	MAY 16	143.71				

300806093360301 LOCAL WELL NUMBER: CU-853

OWNER: MATILDA GRAY ESTATE. (SEC. 4, T. 11S., R. 12W.) DRILLED STOCK SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 230 FT, SCREENED 220-230. MP 1/2-IN PLUG IN SANITARY SEAL, 1.65 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 60.87 BELOW LSD, MAR. 10, 1977,
 LOWEST WATER LEVEL 61.58 BELOW LSD, FEB. 28, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	61.58						

300643093044702 LOCAL WELL NUMBER: CU-854

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 430 FT, SCREENED 420-430. MP TOP OF 2-IN CASING, 2.91 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 52.42 BELOW LSD, MAR. 11, 1976,
 LOWEST WATER LEVEL 77.47 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	52.64						

300643093044701 LOCAL WELL NUMBER: CU-947

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 600 FT, SCREENED 595-600. MP TOP OF 2-IN CASING, 1.14 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 64.54 BELOW LSD, MAR. 11, 1976,
 LOWEST WATER LEVEL 75.84 BELOW LSD, SEP. 3, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	65.17						

301944093170401 LOCAL WELL NUMBER: CU-958

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 707 FT, SCREENED 702-707. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 65.36 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 73.68 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	66.03						

GROUND-WATER LEVELS

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CALCASIEU PARISH

301031093204901 LOCAL WELL NUMBER: CU-959

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 733 FT, SCREENED 727-733. MP TOP OF 2-IN CASING, 2.85 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 113.19 BELOW LSD, APR. 16, 1975,
 LOWEST WATER LEVEL 128.70 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	113.96	JUNE 19	123.17				

301031093204902 LOCAL WELL NUMBER: CU-960

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 592-598. MP TOP OF 2-IN CASING, 2.86 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 117.93 BELOW LSD, APR. 16, 1975,
 LOWEST WATER LEVEL 134.18 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	118.50	JUNE 19	128.22				

300812093165801 LOCAL WELL NUMBER: CU-962

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 287 FT, SCREENED 281-287. MP TOP OF 2-IN CASING, 1.7 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 52.97 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 55.22 BELOW LSD, NOV. 4, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	53.72						

300718093220001 LOCAL WELL NUMBER: CU-963

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 399 FT, SCREENED 393-399. MP TOP OF 2-IN CASING, 1.6 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 83.78 BELOW LSD, APR. 23, 1975,
 LOWEST WATER LEVEL 96.77 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	84.19						

301339093253901 LOCAL WELL NUMBER: CU-964

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 9S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 354-360. MP TOP OF 2-IN CASING, 1.30 FT ABOVE LSD.
 LSD 16.00 FT NGVD.
 HIGHEST WATER LEVEL 73.73 BELOW LSD, JAN. 23, 1976,
 LOWEST WATER LEVEL 89.78 BELOW LSD, AUG. 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	76.78						

301013093231201 LOCAL WELL NUMBER: CU-965

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 270 FT, SCREENED 264-270. MP TOP OF 2-IN CASING, AT LAND SURFACE.

LSD 15.00 FT NGVD.

HIGHEST WATER LEVEL 59.95 BELOW LSD, AUG. 29, 1974.

LOWEST WATER LEVEL 74.74 BELOW LSD, JUNE 12, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	64.57						

301350093045001 LOCAL WELL NUMBER: CU-966

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 235 FT, SCREENED 229-235. MP TOP OF 2-IN CASING, 1.4 FT ABOVE LSD.

LSD 18.00 FT NGVD.

HIGHEST WATER LEVEL 51.01 BELOW LSD, MAR. 1, 1978.

LOWEST WATER LEVEL 71.45 BELOW LSD, JUNE 19, 1975.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	51.01						

301147093141901 LOCAL WELL NUMBER: CU-967

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 240 FT, SCREENED 234-240. MP TOP OF 2-IN CASING, 1.37 FT ABOVE LSD.

LSD 12.00 FT NGVD.

HIGHEST WATER LEVEL 65.36 BELOW LSD, MAR. 8, 1977.

LOWEST WATER LEVEL 71.69 BELOW LSD, AUG. 29, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	66.86						

300557093250401 LOCAL WELL NUMBER: CU-968

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 276 FT, SCREENED 270-276. MP TOP OF 2-IN CASING, 1.3 FT ABOVE LSD.

LSD 10.00 FT NGVD.

HIGHEST WATER LEVEL 48.86 BELOW LSD, MAR. 10, 1977.

LOWEST WATER LEVEL 53.61 BELOW LSD, JUNE 18, 1975.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	48.97						

301117093021601 LOCAL WELL NUMBER: CU-969

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 10S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 190 FT, SCREENED 184-190. MP TOP OF 2-IN CASING, 1.53 FT ABOVE LSD.

LSD 21.00 FT NGVD.

HIGHEST WATER LEVEL 52.78 BELOW LSD, MAR. 1, 1978.

LOWEST WATER LEVEL 84.33 BELOW LSD, JULY 19, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	52.78						

GROUND-WATER LEVELS

303

CALCASIEU PARISH

300534092564401 LOCAL WELL NUMBER: CU-970

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 11S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 780 FT, SCREENED 770-780. MP TOP OF 2-IN CASING, 4.0 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 37.57 BELOW LSD, MAR. 2, 1978,
 LOWEST WATER LEVEL 44.28 BELOW LSD, JULY 24, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	37.57						

300534092564402 LOCAL WELL NUMBER: CU-971

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 11S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 500 FT, SCREENED 490-500. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 34.10 BELOW LSD, MAR. 2, 1978,
 LOWEST WATER LEVEL 46.18 BELOW LSD, JULY 24, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1978	34.10						

301941093035601 LOCAL WELL NUMBER: CU-972

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 8S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 595 FT, SCREENED 585-595. MP TOP OF 2-IN CASING, 1.65 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 45.60 BELOW LSD, FEB. 20, 1976, MAR. 9, 1977,
 LOWEST WATER LEVEL 51.03 BELOW LSD, JUNE 25, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	45.78						

301601093130601 LOCAL WELL NUMBER: CU-973

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 660 FT, SCREENED 650-660. MP TOP OF 2-IN CASING, 4.22 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 81.61 BELOW LSD, MAR. 18, 1977,
 LOWEST WATER LEVEL 93.05 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	85.05						

301601093130602 LOCAL WELL NUMBER: CU-974

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 465 FT, SCREENED 455-465. MP TOP OF 2-IN CASING, 4.0 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 82.68 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 92.83 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	84.02						

301941093035602 LOCAL WELL NUMBER: CU-975

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 8S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 237 FT, SCREENED 231-237. MP TOP OF 2-IN CASING, 1.8 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 38.77 BELOW LSD, MAR. 3, 1978,
 LOWEST WATER LEVEL 39.58 BELOW LSD, JULY 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1978	38.77						

301129093183001 LOCAL WELL NUMBER: CU-976

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 545-550. MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 117.99 BELOW LSD, MAR. 12, 1976,
 LOWEST WATER LEVEL 129.07 BELOW LSD, JUNE 13, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	121.95	MAY 18	126.98				

301944093170402 LOCAL WELL NUMBER: CU-977

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 515 FT, SCREENED 510-515. MP TOP OF 2-IN CASING, 2.45 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 64.64 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 71.87 BELOW LSD, AUG. 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	65.27						

301409093120301 LOCAL WELL NUMBER: CU-978

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 645 FT, SCREENED 640-645. MP TOP OF 2-IN CASING, 2.75 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 91.50 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 100.35 BELOW LSD, MAY 19, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	93.09	MAY 19	100.35				

301005093110401 LOCAL WELL NUMBER: CU-979

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 555 FT, SCREENED 550-555. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 86.79 BELOW LSD, MAR. 23, 1976,
 LOWEST WATER LEVEL 102.61 BELOW LSD, JUNE 23, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	89.16	JUNE 23	102.61				

CALCASTEU PARISH

300813093403901 LOCAL WELL NUMBER: CU-981

OWNER: LA. TOURIST COMMISSION. (SEC. 3, T. 11S., R. 13W.) DRILLED RECREATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 200 FT, SCREENED 180-200. MP VENT IN TOP OF SANITARY PLUG, 1.75 FT ABOVE LSD.

LSD 9.00 FT NGVD.

HIGHEST WATER LEVEL 12.17 BELOW LSD, MAR. 5, 1975.

LOWEST WATER LEVEL 14.35 BELOW LSD, MAR. 10, 1977.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	13.09						

301335093130101 LOCAL WELL NUMBER: CU-985

OWNER: CARL H. HANCHEY. (SEC. 6, T. 9S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 400 FT, SCREENED 380-400. MP TOP OF COUPLING, MUST REMOVE PLUG TO MEASURE, 0.18 FT ABOVE LSD.

LSD 17.00 FT NGVD.

HIGHEST WATER LEVEL 101.50 BELOW LSD, APR. 7, 1975.

LOWEST WATER LEVEL 115.32 BELOW LSD, JULY 19, 1978.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	107.60	FEB. 28, 1978	102.81	MAY 26, 1978	112.52	AUG. 14, 1978	113.47
DEC. 9	104.05	MAR. 29	102.53	JULY 19	115.32	SEP. 22	110.72
JAN. 17, 1978	104.83						

301059093125101 LOCAL WELL NUMBER: CU-988

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 523 FT, SCREENED 518-523. MP TOP OF CASING, 2.8 FT ABOVE LSD.

LSD 14.00 FT NGVD.

HIGHEST WATER LEVEL 94.30 BELOW LSD, MAR. 26, 1976.

LOWEST WATER LEVEL 113.62 BELOW LSD, JULY 19, 1978.

RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	102.12	FEB. 28, 1978	98.88	MAY 23, 1978	110.95	AUG. 16, 1978	109.18
DEC. 9	99.82	MAR. 30	99.21	JUNE 23	110.52	SEP. 27	104.47
JAN. 17, 1978	100.87	APR. 28	102.73	JULY 19	113.62		

301059093125102 LOCAL WELL NUMBER: CU-989

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 330 FT, SCREENED 325-330. MP TOP OF CASING, 2.7 FT ABOVE LSD.

LSD 14.00 FT NGVD.

HIGHEST WATER LEVEL 75.02 BELOW LSD, JAN. 24, 1977.

LOWEST WATER LEVEL 88.50 BELOW LSD, JULY 19, 1978.

RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	82.28	FEB. 28, 1978	79.20	MAY 23, 1978	84.30	AUG. 16, 1978	87.46
DEC. 9	80.79	MAR. 30	78.76	JUNE 23	86.23	SEP. 27	85.28
JAN. 17, 1978	81.29	APR. 28	79.88	JULY 19	88.50		

301059093125103 LOCAL WELL NUMBER: CU-990

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 183 FT, SCREENED 178-183. MP TOP OF CASING, 2.8 FT ABOVE LSD.

LSD 14.00 FT NGVD.

HIGHEST WATER LEVEL 66.18 BELOW LSD, APR. 22, 1976.

LOWEST WATER LEVEL 73.83 BELOW LSD, AUG. 16, 1978.

RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	70.23	FEB. 28, 1978	67.83	MAY 23, 1978	69.74	JULY 19, 1978	73.68
DEC. 9	69.23	MAR. 30	67.42	MAY 25	70.09	AUG. 16	73.83
JAN. 17, 1978	70.13	APR. 28	67.72	JUNE 23	72.07	SEP. 27	73.05

301436093335101 LOCAL WELL NUMBER: CU-991

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 315 FT, SCREENED 310-315. MP TOP OF 2-IN CASING, 1.8 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 42.58 BELOW LSD, MAR. 9, 1977,
 LOWEST WATER LEVEL 48.00 BELOW LSD, FEB. 12, 1976.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	43.18						

300634093400401 LOCAL WELL NUMBER: CU-994

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 11S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 760 FT, SCREENED 755-760. MP TOP OF 2-IN CASING, 2.9 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 52.13 BELOW LSD, MAR. 2, 1976,
 LOWEST WATER LEVEL 53.27 BELOW LSD, FEB. 28, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	53.27						

301141093123501 LOCAL WELL NUMBER: CU-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 375 FT, SCREENED 367-375. MP TOP OF CASING, 1.9 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 100.04 BELOW LSD, MAR. 30, 1978,
 LOWEST WATER LEVEL 114.27 BELOW LSD, JULY 7, 1978.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	100.08	MAY 25, 1978	111.00	JULY 7, 1978	114.27	AUG. 16, 1978	111.03
MAR. 30	100.04	JUNE 23	111.31	JULY 19	114.18	SEP. 27	107.12

301435093154601 LOCAL WELL NUMBER: CU-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 487 FT, SCREENED 477-487. MP TOP OF CASING, 1.75 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 121.07 BELOW LSD, MAR. 6, 1978,
 LOWEST WATER LEVEL 133.57 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1978	121.07	APR. 25, 1978	122.16	AUG. 16, 1978	133.40	SEP. 22, 1978	127.75
MAR. 29	121.46	JULY 19	133.57				

301444093162901 LOCAL WELL NUMBER: CU-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 618 FT, SCREENED 608-618. MP TOP OF CASING, 1.0 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 124.40 BELOW LSD, MAR. 29, 1978,
 LOWEST WATER LEVEL 137.32 BELOW LSD, AUG. 16, 1978.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1978	124.98	APR. 25, 1978	124.73	JULY 19, 1978	136.38	SEP. 22, 1978	131.20
MAR. 29	124.40	JUNE 14	134.34	AUG. 16	137.32		

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

307

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER WORKS. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN, REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.
LSD 59.05 FT NGVD.
HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943,
LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.
RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 30, 1977	260.93	FEB. 27, 1978	264.23	MAY 22, 1978	268.08	JULY 21, 1978	262.28
JAN. 23, 1978	267.00	APR. 4	267.52	JUNE 8	260.74	SEP. 8	266.86

302657091101201 LOCAL WELL NUMBER: EB-112

OWNER: KEANS LAUNDRY. (SEC. 48, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN, REPORTED DEPTH 2,254 FT, SCREENED 2,173-2,254. MP TOP OF 1/2-IN BUSHING, AT LSD.
LSD 57.00 FT NGVD.
HIGHEST WATER LEVEL 74.00 ABOVE LSD, JAN. 2, 1930,
LOWEST WATER LEVEL 301.20 BELOW LSD, JULY 26, 1973.
RECORDS AVAILABLE 1930, 1940, 1943, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	274.55	FEB. 8, 1978	272.47	APR. 6, 1978	279.41	JULY 28, 1978	272.65

302604091095801 LOCAL WELL NUMBER: EB-123

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, DEPTH 710 FT, SCREENED 630-710. MP TOP OF RECORDER-SHELTER FLOOR, 0.81 FT ABOVE LSD.
LSD 51.13 FT NGVD.
HIGHEST WATER LEVEL 50.70 BELOW LSD, APR. 1, 1935,
LOWEST WATER LEVEL 143.70 BELOW LSD, SEP. 4, 1940.
RECORDS AVAILABLE 1935, 1939-40, 1947-49, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	102.51	FEB. 8, 1978	78.46	APR. 6, 1978	75.32	JULY 28, 1978	88.02

302617091103602 LOCAL WELL NUMBER: EB-127

OWNER: ICE SERVICE. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 330 FT, SCREENED 229-330. MP TOP OF RECORDER BASE, 1.73 FT BELOW LSD.
LSD 49.56 FT NGVD.
HIGHEST WATER LEVEL 15.32 BELOW LSD, APR. 7, 1973,
LOWEST WATER LEVEL 53.13 BELOW LSD, OCT. 26, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	34.05	FEB. 8, 1978	30.12	APR. 6, 1978	25.17	JULY 28, 1978	42.24

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROS., INC. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 TO 4 IN, DEPTH 970 FT, SCREENED 840-883, 916-970. MP TOP OF 6-IN CASING, AT LSD.
LSD 57.02 FT NGVD.
HIGHEST WATER LEVEL 67.90 BELOW LSD, MAR. 15, 1946, MAR. 25, 1946,
LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	109.20	FEB. 8, 1978	88.80	APR. 6, 1978	84.59	JULY 28, 1978	95.80

LOUISIANA - EAST BATON ROUGE PARISH

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: BATON ROUGE DEPT. PUBLIC WORKS. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN, REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP TOP OF 4 X 1 1/2-IN REDUCER, 0.08 FT ABOVE LSD.

LSD 52.00 FT NGVD.

HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916.

LOWEST WATER LEVEL 116.07 BELOW LSD, JULY 21, 1977.

RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	113.79	FEB. 8, 1978	111.27	APR. 6, 1978	109.19	JULY 28, 1978	115.25

302930091101501 LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.

LSD 62.00 FT NGVD.

HIGHEST WATER LEVEL 70.44 BELOW LSD, MAY 13, 1973.

LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.

RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1977	142.41	JAN. 5, 1978	94.37	APR. 10, 1978	85.05	JULY 7, 1978	114.32H
OCT. 7	142.72H	JAN. 10	86.61	APR. 15	86.51	JULY 10	120.28
OCT. 10	142.43	JAN. 15	86.93	APR. 20	95.35	JULY 15	117.83
OCT. 15	139.65	JAN. 20	90.55	APR. 25	87.41	JULY 20	109.65
OCT. 20	135.54	JAN. 23	90.39H	APR. 30	88.09	JULY 21	109.67H
OCT. 25	137.32	JAN. 25	90.33	MAY 5	83.57	JULY 25	106.27
OCT. 31	142.84	JAN. 31	95.51	MAY 10	83.50	JULY 31	116.69
NOV. 5	136.15	FEB. 5	98.25	MAY 15	80.87	AUG. 5	115.81
NOV. 10	126.61	FEB. 10	97.27	MAY 20	88.93	AUG. 10	114.99
NOV. 15	124.18	FEB. 15	92.78	MAY 22	87.34H	AUG. 15	113.71
NOV. 18	128.79H	FEB. 20	89.67	MAY 25	91.46	AUG. 20	127.79
NOV. 20	126.00	FEB. 25	85.06	MAY 31	91.99	AUG. 25	119.71
NOV. 25	119.92	FEB. 28	83.35H	JUNE 5	96.06	AUG. 28	125.00H
NOV. 30	118.37	MAR. 5	89.31	JUNE 8	100.28H	AUG. 31	126.91
DEC. 5	117.14	MAR. 10	90.50	JUNE 10	99.81	SEP. 5	127.30
DEC. 10	111.53	MAR. 15	92.94	JUNE 15	95.33	SEP. 10	115.16
DEC. 15	108.50	MAR. 20	93.43	JUNE 20	104.56	SEP. 15	119.35
DEC. 20	103.61	MAR. 25	91.70	JUNE 25	105.08	SEP. 20	122.94
DEC. 25	106.75	MAR. 31	91.30	JUNE 30	112.12	SEP. 25	123.97
DEC. 28	101.95	APR. 3	86.48H	JULY 5	116.80	SEP. 30	124.68
JAN. 3, 1978	93.00H	APR. 5	89.67				

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER WORKS. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496. MP TOP EDGE OF 1 1/2-IN COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.

LSD 56.00 FT NGVD.

HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943.

LOWEST WATER LEVEL 140.70 BELOW LSD, JUNE 14, 1977.

RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	126.55	FEB. 27, 1978	117.28	MAY 22, 1978	126.58	JULY 21, 1978	131.44
JAN. 3, 1978	120.70	APR. 3	119.45	JUNE 8	126.60	AUG. 28	132.58
JAN. 23	137.24						

303358091094401 LOCAL WELL NUMBER: EB-172

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 239 FT, SCREENED 218-239. MP TOP OF CASING, 0.50 FT ABOVE LSD.

LSD 66.00 FT NGVD.

HIGHEST WATER LEVEL 42.16 BELOW LSD, JUNE 20, 1973.

LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 15, 1968.

RECORDS AVAILABLE 1942, 1948-50, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	56.52	FEB. 7, 1978	50.48	APR. 5, 1978	47.97	JULY 24, 1978	48.33

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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302427091103901 LOCAL WELL NUMBER: EB-241

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 4 IN, REPORTED DEPTH 933 FT, SCREENED INTERVAL UNKNOWN. MP TOP INSIDE EDGE OF MANHOLE FLANGE, 0.06 FT ABOVE LSD.
LSD 37.00 FT NGVD.
HIGHEST WATER LEVEL 31.60 ABOVE LSD, NOV. 1, 1932,
LOWEST WATER LEVEL 37.26 BELOW LSD, NOV. 21, 1977.
RECORDS AVAILABLE 1932, 1963-67, 1969-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	37.26	APR. 4, 1978	36.99				

302238091102701 LOCAL WELL NUMBER: EB-242

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 74, T. 8S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 173 FT, SCREENED INTERVAL UNKNOWN. MP TOP INSIDE EDGE OF 2-IN ELBOW ATOP 2-IN CASING, 2.80 FT ABOVE LSD.
LSD 24.78 FT NGVD.
HIGHEST WATER LEVEL 9.50 ABOVE LSD, APR. 16, 1973,
LOWEST WATER LEVEL 21.26 BELOW LSD, DEC. 11, 1956.
RECORDS AVAILABLE 1943, 1945-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	9.56	FEB. 8, 1978	4.45	APR. 6, 1978	.14	AUG. 1, 1978	12.48

303026091102201 LOCAL WELL NUMBER: EB-291

OWNER: UNITED GAS PIPE LINE CO. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, DEPTH 1,196 FT, SCREENED 1,135-1,196. MP LOWER EDGE OF 2-IN COLLAR WELDED ON 6-IN FLANGE, 1.80 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 20.00 ABOVE LSD, JULY 20, 1927,
LOWEST WATER LEVEL 176.20 BELOW LSD, OCT. 4, 1974.
RECORDS AVAILABLE 1927, 1940, 1959, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	160.32	FEB. 27, 1978	151.88	MAY 22, 1978	161.25	JULY 21, 1978	163.69
JAN. 3, 1978	150.58	APR. 3	149.90	JUNE 8	159.36	AUG. 28	162.30
JAN. 23	158.06						

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA OFF. OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN NIPPLE ATOP 4-IN CROSS, 2.20 FT ABOVE LSD.
LSD 61.00 FT NGVD.
HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967,
LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	303.01	FEB. 27, 1978	310.48	MAY 22, 1978	297.87	JULY 21, 1978	294.78
JAN. 3, 1978	303.13	APR. 3	309.56	JUNE 9	295.82	AUG. 28	297.87
JAN. 23	312.33						

302549091073101 LOCAL WELL NUMBER: EB-301

OWNER: P. C. WITTER. (IRREG. SEC. 91, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,281 FT, SCREENED 1,217-1,281. MP TOP OF 3-IN COLLAR ABOVE PLATE ON 4-IN TEE, 1.30 FT ABOVE LSD.
LSD 53.45 FT NGVD.
HIGHEST WATER LEVEL 35.00 ABOVE LSD, AUG. 19, 1926,
LOWEST WATER LEVEL 103.70 BELOW LSD, JULY 22, 1977.
RECORDS AVAILABLE 1926, 1943-44, 1946-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	100.08	FEB. 8, 1978	98.18	APR. 7, 1978	96.75	JULY 28, 1978	100.31

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1,725 FT, SCREENED 1,685-1,725. MP LOWER EDGE OF COLLAR ON 3/4-IN NIPPLE ON SIDE OF CASING, 1.45 FT ABOVE LSD. LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941,
 LOWEST WATER LEVEL 59.49 BELOW LSD, JULY 26, 1978.
 RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	58.65	FEB. 7, 1978	56.86	APR. 7, 1978	57.27	JULY 26, 1978	59.49

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN, DEPTH 1971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN CASING, 0.25 FT ABOVE LSD. LSD 68.00 FT NGVD.
 HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942,
 LOWEST WATER LEVEL 73.09 BELOW LSD, JULY 24, 1978.
 RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	70.67	FEB. 7, 1978	69.72	APR. 5, 1978	69.40	JULY 24, 1978	73.09

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN CASING EXTENSION, 1.40 FT ABOVE LSD. LSD 55.00 FT NGVD.
 HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974,
 LOWEST WATER LEVEL 118.17 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	114.27	FEB. 7, 1978	111.82	APR. 7, 1978	110.15	AUG. 1, 1978	115.90

302930091111301 LOCAL WELL NUMBER: EB-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061. MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD. LSD 64.40 FT NGVD.
 HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942,
 LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
 RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1977	335.29	DEC. 31, 1977	326.97	MAR. 25, 1978	333.75	JULY 10, 1978	327.40
OCT. 7	336.63H	JAN. 3, 1978	327.27H	MAR. 31	337.55	JULY 15	326.40
OCT. 10	336.43	JAN. 5	327.67	APR. 4	338.53H	JULY 20	324.69
OCT. 15	337.00	JAN. 10	329.34	APR. 5	339.90	JULY 21	325.52H
OCT. 20	334.22	JAN. 15	333.79	APR. 10	342.04	JULY 25	324.65
OCT. 25	329.70	JAN. 20	340.60	APR. 15	341.05	JULY 31	324.21
OCT. 31	327.60	JAN. 23	341.94H	APR. 20	340.60	AUG. 5	324.29
NOV. 5	326.48	JAN. 25	337.54	APR. 23	342.80	AUG. 10	324.22
NOV. 10	325.15	JAN. 31	335.00	MAY 22	331.17H	AUG. 15	331.70
NOV. 15	323.65	FEB. 5	331.95	MAY 25	326.15	AUG. 20	333.05
NOV. 18	327.49H	FEB. 10	329.60	MAY 31	332.72	AUG. 25	334.15
NOV. 20	323.89	FEB. 15	332.31	JUNE 5	325.30	AUG. 31	325.00
NOV. 26	323.40	FEB. 20	337.85	JUNE 9	326.68H	SEP. 5	335.37
NOV. 30	323.41	FEB. 25	337.44	JUNE 10	325.20	SEP. 8	331.55H
DEC. 5	329.39	FEB. 28	339.79H	JUNE 16	328.30	SEP. 10	332.19
DEC. 10	330.51	MAR. 5	333.60	JUNE 20	327.46	SEP. 15	325.85
DEC. 15	325.47	MAR. 10	329.50	JUNE 25	330.94	SEP. 20	321.22
DEC. 20	330.67	MAR. 15	331.30	JUNE 30	329.51	SEP. 25	321.98
DEC. 25	329.08	MAR. 20	334.70	JULY 5	329.51	SEP. 30	322.65

See footnotes at end of table.

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LA. OFFICE OF HIGHWAYS. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 611 FT, SCREENED 551-611. MP 1/4-IN HOLE IN TOP OF CASING, 1.40 FT ABOVE LSD.
 LSD 45.44 FT NGVD.
 HIGHEST WATER LEVEL 69.50 BELOW LSD, APR. 18, 1978.
 LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1977	107.23	APR. 6, 1978	70.09	APR. 18, 1978	69.50	JULY 28, 1978	85.45
FEB. 8, 1978	73.65						

303238091085701 LOCAL WELL NUMBER: EB-461

OWNER: J. L. GRANBERRY. (SEC. 97, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 330 FT, SCREENED 310-330. MP TOP EDGE OF OPENING IN 4 X 2-IN REDUCER, 0.75 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 55.59 BELOW LSD, MAY 6, 1975.
 LOWEST WATER LEVEL 84.75 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1947-48, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	73.43	FEB. 7, 1978	63.61	APR. 5, 1978	60.83	JULY 24, 1978	63.45

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A. M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP OF EDGE OF 3/4-IN HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 73.00 FT NGVD.
 HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948.
 LOWEST WATER LEVEL 60.03 BELOW LSD, JULY 24, 1978.
 RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	54.13	FEB. 7, 1978	54.95	APR. 5, 1978	54.67	JULY 24, 1978	60.03

302654091101101 LOCAL WELL NUMBER: EB-500

OWNER: RED STICK LINEN SERVICE. (SEC. 46, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 IN, ESTIMATED DEPTH 710 FT, SCREENED 663-710. MP TOP OF 2-IN NIPPLE IN STEEL LINERPIPE, 2.54 FT ABOVE LSD.
 LSD 57.00 FT NGVD.
 HIGHEST WATER LEVEL 84.18 BELOW LSD, APR. 24, 1978.
 LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
 RECORDS AVAILABLE 1948, 1962, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 24, 1978	84.18						

303115091113701 LOCAL WELL NUMBER: EB-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, DEPTH 2,590 FT, SCREENED 2,510-2,590. MP TOP OF 3/4-IN HOLE IN SANITARY SEAL, 1.48 FT ABOVE LSD.
 LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953.
 LOWEST WATER LEVEL 56.20 BELOW LSD, JULY 28, 1978.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	51.54	FEB. 7, 1978	49.53	APR. 6, 1978	48.78	JULY 28, 1978	56.20

302149091101401 LOCAL WELL NUMBER: EB-575

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 68, T. 8S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 10 TO 6 IN, DEPTH 2,500 FT, SCREENED 2,440-2,500. MP CENTERLINE OF DISCHARGE PIPE, 3.40 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955,
 LOWEST WATER LEVEL 12.80 ABOVE LSD, NOV. 21, 1977.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	12.80	APR. 4, 1978	13.00				

303904091093102 LOCAL WELL NUMBER: EB-578B

OWNER: TOWN OF ZACHARY. (SEC. 81, T. 4S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 TO 6 TO 4 1/2 IN, DEPTH 2,132 FT, SCREENED 2,052-2,132. MP TOP INSIDE EDGE OF VALVE, 1.77 FT ABOVE LSD.
 LSD 103.00 FT NGVD.
 HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957,
 LOWEST WATER LEVEL 85.75 BELOW LSD, JULY 24, 1978.
 RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	79.08	FEB. 7, 1978	79.96	APR. 5, 1978	80.55	JULY 24, 1978	85.75

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN, DEPTH 2590 FT, SCREENED 2540-2590. MP TOP OF 1-IN PIPE ON SIDE OF 8-IN CASING, 1.90 FT ABOVE LSD.
 LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,
 LOWEST WATER LEVEL 39.72 BELOW LSD, JULY 26, 1978.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	28.20	FEB. 7, 1978	30.58	APR. 7, 1978	28.77	JULY 26, 1978	39.72

304141090585301 LOCAL WELL NUMBER: EB-647

OWNER: EAST BATON ROUGE PARISH SCHOOL BOARD. (SEC. 14, T. 4S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 4 IN, DEPTH 1,950 FT, SCREENED 1,910-1,950. MP BOTTOM EDGE OF 3/4-IN COLLAR WELDED ON SIDE CASING, 1.28 FT ABOVE LSD.
 LSD 107.00 FT NGVD.
 HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958,
 LOWEST WATER LEVEL 71.13 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	70.46	APR. 3, 1978	70.52				

303154091083901 LOCAL WELL NUMBER: EB-652

OWNER: GREATER BATON ROUGE AIRPORT DISTRICT. (SEC. 90, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,345 FT, SCREENED 1,264-1,345. MP BREATHER-PIPE HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 68.00 FT NGVD.
 HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 127.35 BELOW LSD, JULY 8, 1976.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	126.37	FEB. 7, 1978	127.12	APR. 6, 1978	122.97	JULY 24, 1978	120.71

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 3 IN, DEPTH 1,640 FT, SCREENED 1,580-1,640. MP HOLE IN CENTER OF 6-IN PLUG ATOP CASING, 1.73 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,
LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.
RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	170.59	FEB. 7, 1978	171.09	APR. 5, 1978	171.67	JULY 24, 1978	170.89

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,586 FT, SCREENED 2,581-2,586. MP CENTERLINE OF DISCHARGE PIPE, 3.14 FT ABOVE LSD.
LSD 28.00 FT NGVD.
HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,
LOWEST WATER LEVEL 1.80 ABOVE LSD, JULY 28, 1978.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977 +	3.81	FEB. 8, 1978 +	4.22	APR. 6, 1978 +	4.10	JULY 28, 1978 +	1.80

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1,622 FT, SCREENED 1,617-1,622. MP HOLE IN SANITARY SEAL, 2.24 FT ABOVE LSD.
LSD 28.00 FT NGVD.
HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,
LOWEST WATER LEVEL 27.21 BELOW LSD, JULY 28, 1978.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	25.86	FEB. 8, 1978	24.95	APR. 6, 1978	24.93	JULY 28, 1978	27.21

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,913 FT, SCREENED 1,908-1,913. MP TOP EDGE OF 2-IN LINER, 2.41 FT ABOVE LSD.
LSD 28.00 FT NGVD.
HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965,
LOWEST WATER LEVEL 22.24 BELOW LSD, JULY 28, 1978.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	21.00	FEB. 8, 1978	20.79	APR. 6, 1978	20.41	JULY 28, 1978	22.24

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN STEEL AIRLINE, 2.82 FT ABOVE LSD.
LSD 28.00 FT NGVD.
HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966,
LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	219.68	APR. 6, 1978	223.28	APR. 17, 1978	221.57	JULY 18, 1978	219.70
FEB. 8, 1978	219.41						

See footnotes at end of table.

302535091090402 LOCAL WELL NUMBER: EB-782A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,189 FT, SCREENED 1,184-1,189. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.0 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 18.54 BELOW LSD, MAY 19, 1975,
 LOWEST WATER LEVEL 25.53 BELOW LSD, FEB. 24, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	25.43	APR. 6, 1978	22.75	APR. 17, 1978	22.31	JULY 18, 1978	22.90
FEB. 8, 1978	23.71						

302535091090403 LOCAL WELL NUMBER: EB-782B

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1,681 FT, SCREENED 1,676-1,681. MP TOP EDGE OF 5/8-IN PIPE IN CAP, 2.0 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966,
 LOWEST WATER LEVEL 112.20 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	102.58	APR. 6, 1978	98.30	JULY 18, 1978	108.79	AUG. 17, 1978	106.99
FEB. 8, 1978	96.63	APR. 17	99.69				

302502091113601 LOCAL WELL NUMBER: EB-783A

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 2,179 FT, SCREENED 2,174-2,179. MP BOTTOM EDGE OF OPENING IN 1 1/4-IN BUSHING IN SIDE ARM OF 4-IN TEE, 1.41 FT ABOVE LSD.
 LSD 26.00 FT NGVD.
 HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966,
 LOWEST WATER LEVEL 50.05 BELOW LSD, OCT. 28, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	50.05	APR. 6, 1978	48.42	APR. 13, 1978	48.95	AUG. 1, 1978	45.89
FEB. 8, 1978	49.53						

302502091113602 LOCAL WELL NUMBER: EB-783B

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN, DEPTH 2,675 FT, SCREENED 2,670-2,675. MP TOP OF 2-IN LINER, 2.56 FT ABOVE LSD.
 LSD 26.00 FT NGVD.
 HIGHEST WATER LEVEL 54.90 ABOVE LSD, MAR. 1, 1966,
 LOWEST WATER LEVEL 40.45 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	2.69	JAN. 4, 1978	22.24	APR. 6, 1978	3.24	AUG. 1, 1978	34.27
NOV. 21	.60	FEB. 8	4.76				

302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 10.89 BELOW LSD, MAY 6, 1975,
 LOWEST WATER LEVEL 33.02 BELOW LSD, NOV. 14, 1966.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	27.73	APR. 7, 1978	19.09	APR. 11, 1978	13.76	JULY 31, 1978	25.89
FEB. 8, 1978	21.44						

See footnotes at end of table.

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302511091070402 LOCAL WELL NUMBER: EB-789B

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,721 FT, SCREENED 1,717-1,721. MP TOP OF 2-IN LINER, 0.88 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966,
 LOWEST WATER LEVEL 34.02 BELOW LSD, OCT. 31, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	34.02	APR. 7, 1978	33.24	APR. 11, 1978	32.95		

302605091080602 LOCAL WELL NUMBER: EB-792B

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF AIRLINE IN 2-IN LINER, 2.39 FT ABOVE LSD.
 LSD 45.00 FT NGVD.
 HIGHEST WATER LEVEL 121.92 BELOW LSD, MAR. 28, 1966,
 LOWEST WATER LEVEL 239.60 BELOW LSD, JULY 27, 1973.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	222.59	FEB. 7, 1978	218.22	APR. 6, 1978	222.97	JULY 28, 1978	220.88

302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U. S. GEOL. SURVEY. (T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 687 FT, SCREENED 683-687. MP TOP EDGE OF 2-IN LINER PIPE, 0.85 FT ABOVE TOP OF 4-IN CASING AND 2.00 FT ABOVE LSD.
 LSD 35.30 FT NGVD.
 HIGHEST WATER LEVEL 55.12 BELOW LSD, MAY 22, 1978,
 LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	96.57	FEB. 27, 1978	62.44	MAY 22, 1978	55.12	JULY 21, 1978	77.75
JAN. 3, 1978	76.02	APR. 6	62.84	JUNE 8	60.39	SEP. 8	83.05
JAN. 23	69.57	APR. 18	62.15				

302559091110801 LOCAL WELL NUMBER: EB-794

OWNER: U. S. GEOL. SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2709 FT, SCREENED 2,705-2,709. MP TOP EDGE OF 3/4-IN PVC AIRLINE, 3.0 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965,
 LOWEST WATER LEVEL 198.00 BELOW LSD, JULY 19, 1974.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	185.66	APR. 6, 1978	185.10	APR. 13, 1978	185.86	AUG. 1, 1978	195.67
FEB. 8, 1978	178.80						

302306091022601 LOCAL WELL NUMBER: EB-803A

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,975 FT, SCREENED 1,971-1,975. MP TOP EDGE OF 3/8-IN OPENING IN BUSHING IN SANITARY SEAL, 2.11 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 15.30 ABOVE LSD, MAY 18, 1966,
 LOWEST WATER LEVEL 12.60 BELOW LSD, NOV. 10, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1977	12.60	APR. 4, 1978	12.45	APR. 19, 1978	12.31		

302306091022602 LOCAL WELL NUMBER: EB-803B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,565 FT, SCREENED 2,561-2,565. MP TOP EDGE OF 4-IN TEE, 1.65 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966,
 LOWEST WATER LEVEL 23.20 ABOVE LSD, NOV. 21, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	23.20	APR. 4, 1978	24.20				

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 3/8-IN HOLE IN CAP, 2.60 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 90.90 BELOW LSD, NOV. 11, 1976.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	90.74	APR. 4, 1978	85.06				

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN CASING, 2.67 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,
 LOWEST WATER LEVEL 88.20 BELOW LSD, OCT. 30, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	87.73	APR. 4, 1978	87.93				

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN HOLE IN CAP, 1.25 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 57.14 BELOW LSD, NOV. 1, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977	57.14	APR. 4, 1978	53.91	APR. 13, 1978	53.36		

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U. S. GEOL. SURVEY. (CORNER OF LAUREL AND 12TH, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP OF 4-IN CASING, 1.40 FT ABOVE LSD.
 LSD 46.50 FT NGVD.
 HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,
 LOWEST WATER LEVEL 195.35 BELOW LSD, NOV. 1, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1977	184.23	FEB. 8, 1978	177.49	APR. 6, 1978	183.99	JULY 28, 1978	195.17

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302611091091201 LOCAL WELL NUMBER: EB-807A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,713 FT, SCREENED 1,709-1,713. MP TOP OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT NGVD.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969,
 LOWEST WATER LEVEL 121.20 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	111.73	APR. 14, 1978	108.10	JULY 28, 1978	115.70	AUG. 17, 1978	116.00
FEB. 8, 1978	105.68	APR. 26	107.17				

302611091091202 LOCAL WELL NUMBER: EB-807B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,264 FT, SCREENED 2,260-2,264. MP TOP OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT NGVD.
 HIGHEST WATER LEVEL 132.14 BELOW LSD, MAY 19, 1966,
 LOWEST WATER LEVEL 249.90 BELOW LSD, JULY 27, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 26, 1977	227.78	APR. 6, 1978	227.95	APR. 14, 1978	227.95	JULY 28, 1978	224.45
FEB. 8, 1978	224.27						

302501091101201 LOCAL WELL NUMBER: EB-818

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 615 FT, SCREENED 609-615. MP TOP EDGE OF 2-IN CASING, 0.48 FT ABOVE LSD.
 LSD 25.59 FT NGVD.
 HIGHEST WATER LEVEL 6.60 ABOVE LSD, APR. 27, 1973,
 LOWEST WATER LEVEL 23.50 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	14.52	FEB. 8, 1978	8.50	APR. 6, 1978	5.57	AUG. 3, 1978	14.83

302501091101202 LOCAL WELL NUMBER: EB-819

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND (SHALLOW PLEISTOCENE SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 322 FT, SCREENED 316-322. MP TOP OF CASING, 0.59 FT ABOVE LSD.
 LSD 25.68 FT NGVD.
 HIGHEST WATER LEVEL 9.60 ABOVE LSD, APR. 16, 1973, APR. 17, 1973,
 LOWEST WATER LEVEL 20.40 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	10.69	FEB. 8, 1978	5.33	APR. 6, 1978 +	.53	AUG. 1, 1978	12.94

302510091105001 LOCAL WELL NUMBER: EB-820

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND (SHALLOW PLEISTOCENE SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 259 FT, SCREENED 253-259. MP TOP OF CASING, 0.71 FT ABOVE LSD.
 LSD 22.24 FT NGVD.
 HIGHEST WATER LEVEL 13.40 ABOVE LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 17.74 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	6.16	FEB. 8, 1978	.89	APR. 6, 1978 +	4.43	AUG. 1, 1978	10.54

302510091105003 LOCAL WELL NUMBER: EB-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 573 FT, SCREENED 567-573. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 22.60 FT NGVD.
 HIGHEST WATER LEVEL 10.60 ABOVE LSD, MAY 16, 1973,
 LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	12.14	FEB. 8, 1978	2.35	APR. 6, 1978 +	2.03	AUG. 1, 1978	11.53

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 33.56 FT NGVD.
 HIGHEST WATER LEVEL 49.80 BELOW LSD, APR. 6, 1978,
 LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	74.50	FEB. 8, 1978	52.90	APR. 6, 1978	49.80	JULY 28, 1978	61.25

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 33.57 FT NGVD.
 HIGHEST WATER LEVEL 32.57 BELOW LSD, MAY 6, 1975,
 LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1977	54.35	FEB. 8, 1978	42.46	APR. 6, 1978	39.45	JULY 28, 1978	44.25

303023091075601 LOCAL WELL NUMBER: EB-826

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 40, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 350 FT, SCREENED 344-350. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 56.77 FT NGVD.
 HIGHEST WATER LEVEL 55.40 BELOW LSD, MAY 6, 1975,
 LOWEST WATER LEVEL 103.18 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	83.50	FEB. 7, 1978	67.38	APR. 6, 1978	64.14	JULY 28, 1978	70.55

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 364-370. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 63.96 FT NGVD.
 HIGHEST WATER LEVEL 42.15 BELOW LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	59.56	FEB. 7, 1978	51.88	APR. 5, 1978	48.68	JULY 24, 1978	52.60

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIO-PLIOCENE AGE, DIAM 6 IN, DEPTH 1,380 FT, SCREENED 1,250-1,270, 1,350-1,380. MP TOP OF CASING, 1.70 FT ABOVE LSD.
 LSD 91.00 FT NGVD.
 HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,
 LOWEST WATER LEVEL 128.27 BELOW LSD, SEP. 27, 1974.
 RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	112.91	APR. 5, 1978	115.18	JUNE 7, 1978	122.56	JULY 27, 1978	124.81
FEB. 6, 1978	109.85						

302919091020601 LOCAL WELL NUMBER: EB-866

OWNER: SOUTH CENTRAL BELL TEL. CO. (SEC. 52, R. 6S., R. 2E.) DRILLED COMMERCIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 400 FT, SCREENED 380-400. MP HOLE IN SANITARY SEAL, 0.85 FT ABOVE LSD.
 LSD 49.00 FT NGVD.
 HIGHEST WATER LEVEL 21.22 BELOW LSD, NOV. 18, 1977,
 LOWEST WATER LEVEL 38.60 BELOW LSD, OCT. 21, 1970.
 RECORDS AVAILABLE 1970, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	21.22	APR. 4, 1978	21.59				

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 692 FT, SCREENED 687-692. MP TOP OF CASING, AT LSD.
 LSD 50.00 FT NGVD.
 HIGHEST WATER LEVEL 72.20 BELOW LSD, MAY 22, 1978,
 LOWEST WATER LEVEL 142.48 BELOW LSD, OCT. 5, 1971.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1977	120.34	FEB. 27, 1978	82.66	MAY 22, 1978	72.20	JULY 21, 1978	98.67
JAN. 3, 1978	95.25	APR. 3	81.60	JUNE 8	80.04	SEP. 8	104.30
JAN. 23	87.97	APR. 13	81.12				

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U. S. GEOL. SURVEY (SEC. 51, T. 4S., R. 2E.) AUGERED OBSERVATION ARTESIAN WELL IN SAND ("400 FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 73 FT, SCREENED 70-73 FT. MP TOP OF 1 1/4-IN CASING, 3.92 FT ABOVE LSD.
 LSD 82.00 FT NGVD.
 HIGHEST WATER LEVEL 15.17 BELOW LSD, APR. 22, 1974,
 LOWEST WATER LEVEL 17.85 BELOW LSD, DEC. 12, 1972.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1977	16.80	FEB. 7, 1978	16.01	APR. 7, 1978	16.18	JULY 26, 1978	16.53

302614091083001 LOCAL WELL NUMBER: EB-917

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN CASING, AT LSD.
 LSD 46.56 FT NGVD.
 HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,
 LOWEST WATER LEVEL 132.75 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1977	122.75	APR. 6, 1978	119.25	APR. 26, 1978	117.49	AUG. 17, 1978	127.11
FEB. 7, 1978	116.99	APR. 10	116.98	JULY 28	126.20		

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U. S. GEOL. SURVEY. (SEC. 91, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN COLLAR, AT LSD.
 LSD 40.00 FT NGVD.
 HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973,
 LOWEST WATER LEVEL 126.42 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1977	114.00	APR. 7, 1978	108.00	JULY 28, 1978	115.00	AUG. 17, 1978	115.59
FEB. 8, 1978	107.53	APR. 26	108.67				

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 603 FT, SCREENED 592-603. MP TOP OF 2-IN CASING, 1.30 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 52.45 BELOW LSD, MAY 22, 1975,
 LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	67.84	DEC. 7, 1977	57.63	APR. 6, 1978	54.48	JULY 28, 1978	57.77

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN CASING, 1.10 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 22, 1975,
 LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 18, 1977	55.98	APR. 6, 1978	46.42	APR. 21, 1978	45.60	JULY 28, 1978	47.32
DEC. 7	49.96						

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN TEE ON LINER PIPE, 1.63 FT ABOVE LSD.
 LSD 59.00 FT NGVD.
 HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,
 LOWEST WATER LEVEL 48.12 BELOW LSD, SEP. 25, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1977	41.52	JAN. 13, 1978	39.89	APR. 3, 1978	40.81	JUNE 23, 1978	46.62
OCT. 14	41.14	JAN. 20	42.50	APR. 7	44.27	JUNE 30	44.75
OCT. 21	40.69	JAN. 23	42.17	APR. 14	40.37	JULY 7	46.62
OCT. 28	40.67	JAN. 27	42.30	APR. 21	40.44	JULY 14	46.96
NOV. 4	38.50	FEB. 6	41.27	APR. 28	40.71	JULY 21	47.27
NOV. 11	39.67	FEB. 13	40.69	MAY 5	40.57	JULY 28	47.46
NOV. 18	39.35	FEB. 17	40.96	MAY 12	40.77	AUG. 4	47.47
NOV. 25	39.52	FEB. 24	42.80	MAY 19	41.27	AUG. 11	47.05
DEC. 2	41.15	FEB. 28	42.56	MAY 22	41.26	AUG. 18	47.27
DEC. 9	41.62	MAR. 3	45.26	MAY 26	41.89	AUG. 28	47.68
DEC. 16	41.05	MAR. 10	40.72	JUNE 2	41.71	SEP. 1	47.57
DEC. 27	41.61	MAR. 16	41.22	JUNE 8	42.59	SEP. 11	47.39
DEC. 29	40.85	MAR. 27	39.97	JUNE 9	43.07	SEP. 18	47.57
JAN. 3, 1978	40.22	MAR. 31	40.13	JUNE 16	44.59	SEP. 25	48.12
JAN. 5	40.16						

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN TEE ON LINER PIPE, 2.27 FT ABOVE LSD.
 LSD 59.00 FT NGVD.
 HIGHEST WATER LEVEL 87.15 BELOW LSD, MAY 22, 1978,
 LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1977	153.62	JAN. 13, 1978	110.79	APR. 3, 1978	102.63	JUNE 23, 1978	125.95
OCT. 14	154.89	JAN. 20	106.52	APR. 7	99.23	JUNE 30	128.98
OCT. 21	151.71	JAN. 23	105.47	APR. 14	102.18	JULY 7	127.63
OCT. 28	155.52	JAN. 27	104.58	APR. 21	99.33	JULY 14	126.16
NOV. 4	153.22	FEB. 6	101.33	APR. 28	98.93	JULY 21	126.18
NOV. 11	151.81	FEB. 13	99.58	MAY 5	94.35	JULY 28	127.49
NOV. 18	151.55	FEB. 17	97.62	MAY 12	89.88	AUG. 4	128.75
NOV. 25	151.10	FEB. 24	101.53	MAY 19	92.93	AUG. 11	129.60
DEC. 2	148.09	FEB. 28	99.38	MAY 22	87.15	AUG. 16	130.18
DEC. 9	138.19	MAR. 3	97.35	MAY 26	88.73	AUG. 28	131.41
DEC. 16	124.63	MAR. 10	99.86	JUNE 2	98.40	SEP. 1	129.48
DEC. 22	120.13	MAR. 16	101.08	JUNE 8	113.15	SEP. 11	131.53
DEC. 29	114.67	MAR. 27	98.77	JUNE 9	114.38	SEP. 18	131.13
JAN. 3, 1978	112.02	MAR. 31	101.17	JUNE 16	121.68	SEP. 25	131.43
JAN. 5	111.03						

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 1,234 FT, SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN TEE ON LINER PIPE, 2.02 FT ABOVE LSD.
 LSD 59.00 FT NGVD.
 HIGHEST WATER LEVEL 160.09 BELOW LSD, SEP. 25, 1975,
 LOWEST WATER LEVEL 189.79 BELOW LSD, AUG. 4, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1977	183.84	JAN. 13, 1978	175.61	APR. 3, 1978	175.43	JUNE 23, 1978	185.76
OCT. 14	185.87	JAN. 20	175.59	APR. 7	175.40	JUNE 30	187.58
OCT. 21	183.32	JAN. 23	183.98	APR. 14	174.05	JULY 7	188.43
OCT. 28	186.19	JAN. 27	180.03	APR. 21	172.82	JULY 14	188.68
NOV. 4	181.67	FEB. 6	175.88	APR. 28	176.14	JULY 21	188.26
NOV. 11	185.03	FEB. 13	175.50	MAY 5	182.98	JULY 28	188.98
NOV. 18	184.68	FEB. 17	175.93	MAY 12	181.37	AUG. 4	189.79
NOV. 25	187.83	FEB. 24	174.78	MAY 19	182.98	AUG. 11	188.78
DEC. 2	181.49	FEB. 28	175.13	MAY 22	184.75	AUG. 18	183.88
DEC. 9	178.84	MAR. 3	175.38	MAY 26	182.98	AUG. 28	184.28
DEC. 16	179.84	MAR. 10	179.40	JUNE 2	186.46	SEP. 1	188.18
DEC. 22	179.72	MAR. 16	175.81	JUNE 8	182.66	SEP. 11	186.16
DEC. 29	175.57	MAR. 27	175.69	JUNE 9	179.66	SEP. 18	187.73
JAN. 3, 1978	176.38	MAR. 31	172.10	JUNE 16	183.54	SEP. 25	186.33
JAN. 5	181.35						

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN, DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP EDGE OF 2 1/2 IN COLLAR, .50 FT ABOVE LSD.
 LSD 68.00 FT NGVD.
 HIGHEST WATER LEVEL 45.06 BELOW LSD, DEC. 19, 1977,
 LOWEST WATER LEVEL 52.18 BELOW LSD, AUG. 28, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1977	45.06	FEB. 27, 1978	46.95	APR. 26, 1978	47.25	JULY 21, 1978	51.93
JAN. 4, 1978	46.23	APR. 6	46.23	MAY 22	47.65	AUG. 28	52.18
FEB. 8	46.48	APR. 21	46.93	JUNE 8	49.00		

304951091115102 LOCAL WELL NUMBER: EF-55

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 59, T. 2S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 1350 FT, SCREENED INTERVAL 1290-1350. MP TOP EDGE OF 1-IN NIPPLE, 0.2 FT ABOVE LSD (SINCE 3/24/75).

LSD 225.00 FT NGVD.

HIGHEST WATER LEVEL 122.23 BELOW LSD, MAY 7, 1957,

LOWEST WATER LEVEL 190.00 BELOW LSD, JULY 27, 1978.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	186.43	APR. 5, 1978	186.85	JUNE 7, 1978	188.49	JULY 27, 1978	190.00
FEB. 6, 1978	186.54						

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF MIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN. MP TOP 1/2-IN UNION, 1.55 FT ABOVE LSD.

LSD 210.00 FT NGVD.

HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,

LOWEST WATER LEVEL 80.87 BELOW LSD, NOV. 14, 1977.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	80.87	APR. 3, 1978	80.31				

305152091010201 LOCAL WELL NUMBER: EF-73B

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN, REPORTED DEPTH 1966 FT, SCREENED 1688-1718, 1773-1795, 1862-1872, 1880-1900, 1917-1929, AND 1948-1966. MP TOP EDGE BREATHER HOLE IN PLATE ATOP 12-IN CASING, 1.62 FT ABOVE LSD.

LSD 195.00 FT NGVD.

HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959,

LOWEST WATER LEVEL 124.18 BELOW LSD, APR. 3, 1978.

RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	123.10	APR. 3, 1978	124.18				

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 2S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 14 IN TO 12 IN TO 10 IN, REPORTED DEPTH 1514 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE 1-IN ACCESS PIPE, 1.48 FT ABOVE LSD.

LSD 228.00 FT NGVD.

HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,

LOWEST WATER LEVEL 181.49 BELOW LSD, JULY 27, 1978.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 27, 1978	181.49						

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.

LSD 135.00 FT NGVD.

HIGHEST WATER LEVEL 102.50 BELOW LSD, FEB. 6, 1978,

LOWEST WATER LEVEL 117.60 BELOW LSD, NOV. 15, 1977.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	117.60	APR. 5, 1978	102.79	JUNE 7, 1978	104.00	JULY 27, 1978	106.80
FEB. 6, 1978	102.50						

EAST FELICIANA PARISH

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 25., R. 1E.) AUGERED DOMESTIC WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 96 FT, OPEN END CASING. MP TOP INSIDE EDGE OF 8-IN CONCRETE CASING, 0.6 FT ABOVE LSD.
 LSD 250.00 FT NGVD.
 HIGHEST WATER LEVEL 68.80 BELOW LSD, JUNE 7, 1978,
 LOWEST WATER LEVEL 73.24 BELOW LSD, JAN. 31, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	71.64	APR. 5, 1978	71.08	JUNE 7, 1978	68.80	JULY 27, 1978	70.74
FEB. 6, 1978	71.20						

IBERVILLE PARISH

302919091311101 LOCAL WELL NUMBER: IB-9

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("1200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1180 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF 1/2-IN HOLE IN SIDE OF CASING, 0.80 FT ABOVE LSD.
 LSD 23.00 FT NGVD.
 HIGHEST WATER LEVEL 30.00 ABOVE LSD, DEC. 27, 1951,
 LOWEST WATER LEVEL 27.80 BELOW LSD, APR. 24, 1978.
 RECORDS AVAILABLE 1951, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	23.95	APR. 24, 1978	27.80				

302919091311102 LOCAL WELL NUMBER: IB-29

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("2000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1964 FT, SCREENED 1880-1964. MP HOLE IN SANITARY SEAL, 1.60 FT ABOVE LSD.
 LSD 23.00 FT NGVD.
 HIGHEST WATER LEVEL 58.90 ABOVE LSD, DEC. 15, 1951,
 LOWEST WATER LEVEL 19.95 BELOW LSD, NOV. 17, 1977.
 RECORDS AVAILABLE 1951, 1960, 1970, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	19.95	APR. 24, 1978	19.10				

302520091261501 LOCAL WELL NUMBER: IB-39B

OWNER: VILLAGE OF GROSSE TETE. (SEC. 38, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2,504 FT, SCREENED 2444-2504. MP CENTERLINE OF GAGE IN TOP OF DISCHARGE PIPE, 3.50 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, NOV. 4, 1955,
 LOWEST WATER LEVEL 11.20 ABOVE LSD, NOV. 17, 1977.
 RECORDS AVAILABLE 1955, 1960, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	11.20	APR. 25, 1978	11.60				

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 318 FT, SCREENED 238-318. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.
 LSD 24.10 FT NGVD.
 HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943,
 LOWEST WATER LEVEL 85.59 BELOW LSD, SEP. 18, 1973.
 RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	65.95	FEB. 28, 1978	59.75	MAY 23, 1978	77.77	AUG. 17, 1978	74.97
DEC. 9	64.11	MAR. 29	65.72	JUNE 20	76.92	SEP. 22	69.77
JAN. 24, 1978	63.28	APR. 25	76.25	JULY 20	81.95		

See footnotes at end of table.

302611092411201 LOCAL WELL NUMBER: JD-31

OWNER: B.J. HINE ESTATE. (SEC. 21, T. 7S., R. 3W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH AND SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 3.96 FT ABOVE LSD.

LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 80.06 BELOW LSD, MAR. 21, 1967.
LOWEST WATER LEVEL 92.37 BELOW LSD, FEB. 19, 1971.
RECORDS AVAILABLE 1966-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	86.49						

300518092492601 LOCAL WELL NUMBER: JD-33

OWNER: JOE PETITJEAN. (SEC. 18, T. 11S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, DEPTH 350 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM EDGE OF DISCHARGE PIPE, 4.75 FT ABOVE LSD.

LSD 7.18 FT NGVD.
HIGHEST WATER LEVEL 5.61 BELOW LSD, APR. 8, 1941.
LOWEST WATER LEVEL 41.15 BELOW LSD, APR. 25, 1956.
RECORDS AVAILABLE 1939-41, 1947-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	35.45						

300236092543501 LOCAL WELL NUMBER: JD-222

OWNER: LACASSINE CO. (SEC. 32, T. 11S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP EDGE OF CASING, AT LAND SURFACE.

LSD 4.61 FT NGVD.
HIGHEST WATER LEVEL 6.15 BELOW LSD, MAY 8, 1946.
LOWEST WATER LEVEL 36.63 BELOW LSD, AUG. 25, 1965.
RECORDS AVAILABLE 1945-67, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	32.50						

302054092461901 LOCAL WELL NUMBER: JD-317

OWNER: H. AND H. AGUILLARD. (SEC. 22, T. 8S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, DEPTH 289 FT, SCREENED 209-289. MP LOWER LIP OF DISCHARGE PIPE, 5.20 FT ABOVE LSD.

LSD 42.27 FT NGVD.
HIGHEST WATER LEVEL 48.99 BELOW LSD, MAR. 20, 1950.
LOWEST WATER LEVEL 84.67 BELOW LSD, FEB. 18, 1971.
RECORDS AVAILABLE 1948-69, 1971-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	77.80						

GROUND-WATER LEVELS

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JEFFERSON DAVIS PARISH

301300092584501 LOCAL WELL NUMBER: JD-485

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 250 FT, SCREENED 240-250. MP TOP OF 4-IN CASING COLLAR, 3.0 FT ABOVE LSD. MEASUREMENTS DISCONTINUED JULY 5, 1978. WELL DESTROYED JULY 6, 1978.
 LSD 21.36 FT NGVD.
 HIGHEST WATER LEVEL 42.73 BELOW LSD, APR. 6, 1963,
 LOWEST WATER LEVEL 98.68 BELOW LSD, JULY 4, 1972.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1977	62.22H	DEC. 5, 1977	59.35	FEB. 15, 1978	55.46	APR. 24, 1978	76.71
OCT. 5	61.60	DEC. 9	58.98H	FEB. 16	55.40H	APR. 25	77.98
OCT. 7	61.73H	DEC. 10	58.91	FEB. 20	55.27	APR. 30	89.85
OCT. 10	61.52	DEC. 15	58.75	FEB. 23	55.22H	MAY 5	83.88
OCT. 15	61.32	DEC. 20	58.13	FEB. 25	55.53	MAY 10	89.16
OCT. 19	60.98H	DEC. 25	57.88	FEB. 28	55.50	MAY 15	88.58
OCT. 20	60.97	DEC. 27	57.83H	MAR. 5	55.29	MAY 17	91.15H
OCT. 25	61.17	DEC. 31	57.77	MAR. 10	55.20	MAY 20	98.22
OCT. 31	61.38	JAN. 5, 1978	57.54	MAR. 15	55.17	MAY 25	90.77
NOV. 5	61.19	JAN. 10	57.20	MAR. 20	55.54	MAY 31	93.83
NOV. 10	61.11	JAN. 15	56.93	MAR. 21	55.59H	JUNE 5	88.17
NOV. 15	62.10	JAN. 20	56.77	MAR. 25	56.85	JUNE 10	81.28
NOV. 20	68.50	JAN. 24	56.38H	MAR. 31	57.86	JUNE 15	80.58
NOV. 23	64.76H	JAN. 25	56.30	APR. 5	61.58	JUNE 20	83.24H
NOV. 25	61.77	JAN. 31	56.16	APR. 10	63.95	JUNE 25	90.67
NOV. 28	60.83H	FEB. 5	55.98	APR. 15	61.60	JUNE 30	95.80
NOV. 30	60.34	FEB. 10	55.70	APR. 20	67.30	JULY 5	96.79

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 290 FT, SCREENED 270-290. MP TOP OF 4-IN CASING COLLAR, 3.0 FT ABOVE LSD. REPLACES WELL JD-485.
 LSD 21.36 FT NGVD.
 HIGHEST WATER LEVEL 65.79 BELOW LSD, SEP. 30, 1978,
 LOWEST WATER LEVEL 93.46 BELOW LSD, JULY 7, 1978.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 7, 1978	93.46	JULY 31, 1978	76.98	AUG. 20, 1978	72.04	SEP. 15, 1978	67.46
JULY 10	92.39	AUG. 5	74.89	AUG. 25	71.48	SEP. 20	66.79
JULY 15	87.39	AUG. 10	73.78	AUG. 31	70.25	SEP. 22	66.76H
JULY 20	85.20	AUG. 15	73.28	SEP. 5	69.16	SEP. 25	66.35
JULY 25	80.42	AUG. 17	72.72H	SEP. 10	68.19	SEP. 30	65.79

302509092532101 LOCAL WELL NUMBER: JD-493

OWNER: PRESTON ASHFORD. (SEC. 28, T. 7S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 8 IN, DEPTH 220 FT, SCREENED 160-220. MP LOWER LIP OF DISCHARGE PIPE, 6.10 FT ABOVE LSD.
 LSD 37.95 FT NGVD.
 HIGHEST WATER LEVEL 48.62 BELOW LSD, APR. 8, 1965,
 LOWEST WATER LEVEL 58.20 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1965-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	56.40						

LAFAYETTE PARISH

300600092041501 LOCAL WELL NUMBER: LF-437

OWNER: MRS.E.B.RICHARD AND MRS.E.S.VINCENT. (IRREG.SEC. 40, T. 11S., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 150 FT, SCREENED 130-150. MP TOP OF 4-IN CASING, 1.45 FT ABOVE LSD.
 LSD 18.34 FT NGVD.
 HIGHEST WATER LEVEL 12.06 BELOW LSD, MAY 14, 1947,
 LOWEST WATER LEVEL 28.01 BELOW LSD, JUNE 24, 1975, MAR. 7, 1977.
 RECORDS AVAILABLE 1946-72, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	27.21						

See footnotes at end of table.

LOUISIANA - LIVINGSTON PARISH

LAFAYETTE PARISH

301407092000901 LOCAL WELL NUMBER: LF-516

OWNER: CITY OF LAFAYETTE. (IRREG. SEC. 101, T. 9S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 286 FT, SCREENED 271-286. MP TOP OF 4-IN CASING, 0.50 FT ABOVE LSD.

LSD 40.37 FT NGVD.

HIGHEST WATER LEVEL 34.13 BELOW LSD, MAR. 23, 1959,

LOWEST WATER LEVEL 44.92 BELOW LSD, JULY 20, 1971, NOV. 23, 1976.

RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1977	43.72	FEB. 22, 1978	42.70	APR. 24, 1978	42.75	JULY 24, 1978	43.73
DEC. 7	43.83	FEB. 27	42.48	MAY 25	43.07	AUG. 14	44.12
JAN. 25, 1978	42.88	MAR. 29	42.70	JUNE 20	42.98	SEP. 19	44.09

300911091581701 LOCAL WELL NUMBER: LF-556

OWNER: G. G. GONDRON. (IRREG. SEC. 21, T. 10S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 104 FT, SCREENED 94-104. MP TOP OF 2-IN CASING, 1.40 FT ABOVE LSD.

LSD 34.55 FT NGVD.

HIGHEST WATER LEVEL 27.70 BELOW LSD, MAR. 23, 1966,

LOWEST WATER LEVEL 34.24 BELOW LSD, FEB. 26, 1970.

RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	30.72						

LIVINGSTON PARISH

302804090581802 LOCAL WELL NUMBER: LI-26B

OWNER: CLIFF MACK. (SEC. 67, T. 7S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 1305 FT, SCREENED 1289-1305. MP TOP OF 2-IN CASING, .77 FT ABOVE LSD.

LSD 37.00 FT NGVD.

HIGHEST WATER LEVEL 3.53 BELOW LSD, JULY 1, 1957,

LOWEST WATER LEVEL 55.43 BELOW LSD, NOV. 14, 1977.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	55.43	APR. 10, 1978	54.73				

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 4-IN, DEPTH 1865 FT, SCREENED 1825-1865. MP CENTERLINE OF 0.75-IN TEE, 1.25 FT ABOVE LSD.

LSD 46.00 FT NGVD.

HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,

LOWEST WATER LEVEL 52.20 ABOVE LSD, APR. 7, 1978.

RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1977 +	52.80	APR. 7, 1978 +	52.20				

302826090344901 LOCAL WELL NUMBER: LI-54

OWNER: ST. MARGARETS CATHOLIC CHURCH. (SEC. 2, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 2.5 IN, DEPTH 2144 FT, SCREENED 2104-2144. MP IS CENTERLINE OF 2-IN TEE, 0.8 FT ABOVE LSD.

LSD 33.00 FT NGVD.

HIGHEST WATER LEVEL 121.80 ABOVE LSD, NOV. 30, 1954, JAN. 10, 1955, FEB. 1, 1955,

LOWEST WATER LEVEL 67.30 ABOVE LSD, JULY 20, 1977.

RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977 +	67.80	FEB. 2, 1978 +	67.80	APR. 5, 1978 +	67.80	JULY 20, 1978 +	67.80

See footnotes at end of table.

LIVINGSTON PARISH

302959090563401 LOCAL WELL NUMBER: LI-92

OWNER: CITY OF DENHAM SPRINGS. (SEC. 48, T. 6S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND (#2000-FT SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2100 FT, SCREENED INTERVAL UNKNOWN, MP TOP EDGE OF 0.5-IN NIPPLE, 0.8 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 35.05 BELOW LSD, NOV. 14, 1977,
 LOWEST WATER LEVEL 66.65 BELOW LSD, AUG. 24, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	35.05	FEB. 3, 1978	47.67	APR. 10, 1978	49.90	AUG. 24, 1978	66.65

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF PLIOCENE AGE, DIAM 2 IN, DEPTH REPORTED 460 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF REDUCER AT WELL, 1.3 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.
 RECORDS AVAILABLE 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	19.35	FEB. 9, 1978	13.78	APR. 24, 1978	9.40	JULY 27, 1978	17.90

304645091434901 LOCAL WELL NUMBER: PC-49

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 3S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 137 FT, SCREENED 132-137 FT. MP TOP OF 4-IN CASING, 1.0 FT ABOVE LSD.
 LSD 36.00 FT NGVD.
 HIGHEST WATER LEVEL 0.59 BELOW LSD, MAR. 29, 1962,
 LOWEST WATER LEVEL 28.95 BELOW LSD, NOV. 4, 1963.
 RECORDS AVAILABLE 1955-68, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	20.75	FEB. 9, 1978	14.50	APR. 24, 1978	9.50	JULY 27, 1978	20.75

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 4 IN, DEPTH REPORTED 1530 FT, SCREENED 1490-1530. MP TOP OF SANITARY SEAL, 2.3 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 33.79 BELOW LSD, JUNE 16, 1970,
 LOWEST WATER LEVEL 50.45 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	44.45	FEB. 9, 1978	44.50	APR. 24, 1978	45.50	JULY 27, 1978	48.85

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER SR. (SEC. 16, T. 6S., R. 9E.) DRILLED-PUBLIC SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 4 IN, DEPTH REPORTED 2294 FT, SCREENED 2259-2294. MP CENTERLINE OF TEE, 0.8 FT ABOVE LSD.
 LSD 26.00 FT NGVD.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,
 LOWEST WATER LEVEL 14.00 ABOVE LSD, JULY 31, 1978.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977 +	15.60	FEB. 9, 1978 +	16.00	APR. 24, 1978 +	15.80	JULY 31, 1978 +	14.00

See footnotes at end of table.

303700091224001 LOCAL WELL NUMBER: PC-81

OWNER: ROBERT CLINE. (SEC. 98, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 2.5 IN, DEPTH REPORTED 2101 FT, SCREENED 2071-2101. MP CENTERLINE 1.5-IN PLUG, 0.7 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 28.40 ABOVE LSD, JUNE 16, 1970,
 LOWEST WATER LEVEL 0.10 BELOW LSD, JULY 27, 1978.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977 +	2.10	FEB. 9, 1978 +	3.05	APR. 24, 1978 +	4.60	JULY 27, 1978	0.10

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 6E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 2.5 IN, DEPTH REPORTED 1637 FT, SCREENED 1617-1637. MP TOP OF 3/4-IN PLUG IN TOP OF WELL, 1.56 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 25.69 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	24.64	FEB. 9, 1978	24.19	APR. 24, 1978	23.89	JULY 31, 1978	25.09

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 2 IN, DEPTH 1228 FT, SCREENED 1218-1228. MP 3/8-IN HOLE IN 2-IN PLUG ATOP WELL, 2.50 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 0.30 ABOVE LSD, NOV. 15, 1977.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977 +	0.30	APR. 24, 1978 +	2.20				

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIO-MIOCENE AGE, DIAM 2 IN, DEPTH MEASURED 835 FT, SCREENED 825-835. MP CENTER OF GAGE IN BUSHING ATOP CASING, 2.66 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 2.04 BELOW LSD, NOV. 15, 1977.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	2.04	APR. 24, 1978	0.99				

303835091202401 LOCAL WELL NUMBER: PC-146

OWNER: GLYNN WATER WORKS. (SEC. 56, T. 5S., R. 11E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 4 IN, DEPTH 1785 FT, SCREENED 1765-1785. MP TOP OF SANITARY SEAL, 1.15 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974,
 LOWEST WATER LEVEL 16.65 BELOW LSD, NOV. 15, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	16.65	FEB. 9, 1978	16.40	APR. 24, 1978	12.15	JULY 27, 1978	15.30

See footnotes at end of table.

GROUND-WATER LEVELS

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POINTE COUPEE PARISH

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 12 IN, DEPTH 1263 FT, SCREENED 1174-1228, 1237-1263. MP 3/4-IN PLUG IN SANITARY SEAL, 1.16 FT ABOVE LSD.

LSD 36.00 FT NGVD.

HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975.

LOWEST WATER LEVEL 47.59 BELOW LSD, JULY 27, 1978.

RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 9, 1978	44.84	APR. 24	44.34	JULY 27, 1978	47.59		

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 990 FT, SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.

LSD 25.00 FT NGVD.

HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 5, 1975.

LOWEST WATER LEVEL 24.33 BELOW LSD, NOV. 17, 1977.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	24.33	FEB. 9, 1978	24.10	APR. 24, 1978	23.75	JULY 31, 1978	23.85

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: RICHARD GLYNN. (SEC. 50, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH UNKNOWN, SCREENED INTERVAL UNKNOWN. MP 1/2-IN HOLE IN SANITARY SEAL, 0.6 FT ABOVE LSD.

LSD 35.00 FT NGVD.

HIGHEST WATER LEVEL 6.80 BELOW LSD, APR. 17, 1973.

LOWEST WATER LEVEL 23.55 BELOW LSD, NOV. 19, 1976.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1977	17.20	FEB. 9, 1978	10.95	APR. 24, 1978	10.10	JULY 27, 1978	17.55

ST. CHARLES PARISH

300022090241001 LOCAL WELL NUMBER: SC-9

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 24 IN, DEPTH 808 FT, SCREENED 673-808. MP TOP OF COVER PLATE, AT LSD.

LSD 4.79 FT NGVD.

HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950.

LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.

RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1977	29.03H	JAN. 5, 1978	29.18	APR. 5, 1978	28.39	JUNE 30, 1978	28.94
OCT. 5	29.04	JAN. 10	29.25	APR. 10	28.34	JULY 5	29.03
OCT. 10	28.98	JAN. 15	29.27	APR. 15	28.21	JULY 10	29.00
OCT. 15	28.98	JAN. 20	29.08	APR. 20	28.37	JULY 15	28.87
OCT. 20	29.18	JAN. 25	28.63	APR. 24	28.42H	JULY 20	28.95H
OCT. 25	29.03	JAN. 31	28.77	APR. 25	28.40	JULY 25	28.65
OCT. 31	29.25	FEB. 5	28.68	APR. 30	28.56	JULY 31	28.73
NOV. 5	28.98	FEB. 9	28.55H	MAY 5	28.08	AUG. 5	28.85
NOV. 10	29.20	FEB. 10	28.59	MAY 10	28.05	AUG. 10	28.73
NOV. 15	29.20	FEB. 15	28.86	MAY 15	28.04	AUG. 15	28.85
NOV. 20	29.05	FEB. 20	28.94	MAY 20	28.28	AUG. 20	28.79
NOV. 22	29.93H	FEB. 25	29.19	MAY 23	28.36H	AUG. 25	28.83
NOV. 25	28.96	FEB. 28	28.99	MAY 25	28.35	AUG. 31	28.57
NOV. 30	28.85	MAR. 2	28.98H	MAY 31	28.47	SEP. 5	28.63
DEC. 5	28.90	MAR. 5	29.00	JUNE 5	28.52	SEP. 7	28.67H
DEC. 10	29.10	MAR. 10	28.76	JUNE 10	28.62	SEP. 10	28.62
DEC. 15	28.85	MAR. 15	28.67	JUNE 15	28.82	SEP. 15	28.75
DEC. 20	28.95	MAR. 20	28.63	JUNE 16	28.89H	SEP. 20	28.71
DEC. 25	29.11	MAR. 25	28.39	JUNE 20	28.86	SEP. 25	28.74
DEC. 31	29.04	MAR. 31	28.40	JUNE 25	28.95	SEP. 30	28.47
JAN. 4, 1978	29.15H						

See footnotes at end of table.

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN, DEPTH 404 FT, SCREENED 324-404, MP TOP OF CASING, AT LSD.
 LSD 5.51 FT NGVD.
 HIGHEST WATER LEVEL 31.85 BELOW LSD, FEB. 27, 1978.
 LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1977	41.02H	DEC. 31, 1977	39.53	MAR. 15, 1978	41.53	JUNE 10, 1978	41.70
OCT. 5	41.08	JAN. 4, 1978	39.62H	MAR. 20	41.98	JUNE 15	41.72
OCT. 10	40.89	JAN. 5	39.63	MAR. 25	41.97	JUNE 16	41.91H
OCT. 15	41.05	JAN. 10	39.80	MAR. 31	42.00	JUNE 20	43.05
OCT. 20	41.20	JAN. 15	39.81	APR. 5	41.99	JUNE 25	44.05
OCT. 25	41.21	JAN. 20	39.58	APR. 10	42.34	JUNE 30	44.00
OCT. 31	41.22	JAN. 25	37.98	APR. 15	42.29	JULY 5	44.15
NOV. 5	40.69	JAN. 31	39.27	APR. 20	41.63	JULY 10	44.09
NOV. 10	40.85	FEB. 5	39.02	APR. 24	41.22H	JULY 15	44.09
NOV. 15	40.69	FEB. 9	38.90H	APR. 25	41.78	JULY 20	41.58H
NOV. 20	40.09	FEB. 10	38.76	APR. 30	42.22	JULY 25	41.85
NOV. 22	40.05H	FEB. 15	37.08	MAY 5	41.36	JULY 31	39.58
NOV. 25	40.13	FEB. 20	39.06	MAY 10	40.45	SEP. 5	42.09
NOV. 30	39.90	FEB. 25	32.41	MAY 15	41.14	SEP. 7	41.98H
DEC. 5	39.83	FEB. 27	31.85J	MAY 20	42.08	SEP. 10	41.75
DEC. 10	39.85	FEB. 28	38.24	MAY 23	42.08H	SEP. 15	35.20
DEC. 15	39.51	MAR. 2	39.32H	MAY 25	42.17	SEP. 20	34.08
DEC. 20	39.65	MAR. 5	39.68	MAY 31	42.27	SEP. 25	34.25
DEC. 25	39.71	MAR. 10	40.97	JUNE 5	41.37	SEP. 30	40.76

295635090193701 LOCAL WELL NUMBER: SC-24

OWNER: INTL. TANK TERMINAL. (SEC. 40, T. 13S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN, DEPTH 492 FT, SCREENED 439-492, MP TOP OF CONCRETE CURBING AROUND 18-IN CASING, 2.70 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 12.44 BELOW LSD, APR. 20, 1976.
 LOWEST WATER LEVEL 29.45 BELOW LSD, NOV. 4, 1965.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	16.33	APR. 14, 1978	15.50				

295556090214201 LOCAL WELL NUMBER: SC-80

OWNER: AMBROSE CHAMPAGNE. (SEC. 15, T. 13S., R. 21E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 1.25 IN, DEPTH 256 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF FITTING IN TOP OF TEE ATOP CASING, 0.9 FT ABOVE LSD.
 LSD 13.00 FT NGVD.
 HIGHEST WATER LEVEL 9.97 BELOW LSD, APR. 3, 1975.
 LOWEST WATER LEVEL 28.40 BELOW LSD, JAN. 30, 1957.
 RECORDS AVAILABLE 1957-61, 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 21, 1978	10.60						

295950090283001 LOCAL WELL NUMBER: SC-82

OWNER: LA. POWER & LIGHT CO. (SEC. 26, T. 12S., R. 20E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 373 FT, SCREENED INTERVAL UNKNOWN, MP TOP EDGE OF HOLE IN 4-IN CAP AT TOP OF 4-IN CASING EXTENSION, 4.69 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 19.41 BELOW LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 36.34 BELOW LSD, NOV. 4, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	21.89	FEB. 13, 1978	20.55	APR. 21, 1978	21.10	AUG. 3, 1978	22.51

See footnotes at end of table.

ST. CHARLES PARISH

295633090193101 LOCAL WELL NUMBER: SC-102

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 13S., R. 9E.) AUGERED OBSERVATION ARTESIAN WELL IN POINT-BAR DEPOSITS OF HOLOCENE AGE, DIAM 1 1/4 IN, DEPTH 62.5 FT, SCREENED 60-62.5. MP TOP OF CASING, AT LSD.

LSD 12.00 FT NGVD.

HIGHEST WATER LEVEL 1.75 ABOVE LSD, MAY 18, 1973,

LOWEST WATER LEVEL 10.61 BELOW LSD, NOV. 16, 1962.

RECORDS AVAILABLE 1960-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	6.29	APR. 14, 1978	0.38				

ST. HELENA PARISH

304051090385401 LOCAL WELL NUMBER: SH-7

OWNER: ST. HELENA WATER SYSTEMS, INC. (SEC. 51, T. 4S., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2082 FT, SCREENED 2052-2082. MP HOLE IN SANITARY SEAL, 2.00 FT ABOVE LSD.

LSD 130.00 FT NGVD.

HIGHEST WATER LEVEL 39.10 ABOVE LSD, MAR. 18, 1955,

LOWEST WATER LEVEL 19.85 BELOW LSD, FEB. 25, 1977.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977	19.15	JAN. 31, 1978	19.00	APR. 6, 1978	19.80	JULY 18, 1978	17.10

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: BILLUPS PETROLEUM CO. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2135 FT, SCREENED 2106-2135. MP 3/8-IN HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.

LSD 165.00 FT NGVD.

HIGHEST WATER LEVEL 54.56 BELOW LSD, SEP. 13, 1960,

LOWEST WATER LEVEL 78.82 BELOW LSD, JAN. 31, 1978.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1977	76.47	JAN. 31, 1978	78.82	APR. 6, 1978	74.42	JULY 18, 1978	76.32

ST. JAMES PARISH

300242090444001 LOCAL WELL NUMBER: SJ-20

OWNER: EXXON CO., U.S.A. (SEC. 6, T. 11S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 176 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN NIPPLE ATOP BULLPLUG, 2.09 FT ABOVE LSD.

LSD 5.00 FT NGVD.

HIGHEST WATER LEVEL 5.46 ABOVE LSD, APR. 11, 1961,

LOWEST WATER LEVEL 5.98 BELOW LSD, OCT. 16, 1963.

RECORDS AVAILABLE 1957-64, 1966-67, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 6, 1978 +	1.69	MAR. 28	+ 2.02				

295906090502001 LOCAL WELL NUMBER: SJ-24

OWNER: L.R.GREMILLION. (SEC. 8, T. 12S., R. 16E.) DRILLED STOCK ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 281 FT, SCREENED INTERVAL UNKNOWN. MP TOP INSIDE EDGE OPENING IN TEE, 0.99 FT ABOVE LSD.

LSD 11.79 FT NGVD.

HIGHEST WATER LEVEL 3.75 ABOVE LSD, MAY 17, 1973,

LOWEST WATER LEVEL 25.50 BELOW LSD, AUG. 6, 1957.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	13.09	MAR. 28, 1978	2.71				

See footnotes at end of table.

ST. JAMES PARISH

300449090520201 LOCAL WELL NUMBER: SJ-41

OWNER: HELVETIA SUGAR COOP. INC. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 441 FT, SCREENED 399-441. MP TOP OF 8-IN CASING COLLAR, 1.0 FT ABOVE LSD.
 LSD 17.80 FT NGVD.
 HIGHEST WATER LEVEL 0.10 BELOW LSD, APR. 18, 1973,
 LOWEST WATER LEVEL 15.65 BELOW LSD, OCT. 15, 1973.
 RECORDS AVAILABLE 1948, 1958-64, 1966-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 14, 1978	4.45						

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: DELPHINE PLANTING CO. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.
 LSD 18.30 FT NGVD.
 HIGHEST WATER LEVEL 3.97 BELOW LSD, APR. 16, 1973,
 LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	13.13	FEB. 13, 1978	10.09	MAR. 28, 1978	10.00	AUG. 30, 1978	14.45

300433090403701 LOCAL WELL NUMBER: SJ-186

OWNER: U. S. GEOL. SURVEY. (SEC. 47, T. 11S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 230 FT, SCREENED 220-230. MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 3.20 ABOVE LSD, MAY 15, 1975,
 LOWEST WATER LEVEL 7.63 BELOW LSD, FEB. 11, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	5.80	MAR. 2, 1978	3.07	MAY 23, 1978 +	0.62	JULY 20, 1978	5.77
JAN. 4, 1978	2.70	MAR. 28	2.41	JUNE 16	2.02	SEP. 7	6.78
FEB. 9	2.39	APR. 14	0.10				

ST. JOHN THE BAPTIST PARISH

300240090265601 LOCAL WELL NUMBER: SJB-17

OWNER: J. ESPARROS. (SEC. 54, T. 11S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 310 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF HOLE IN PLATE, 1.00 FT ABOVE LSD.
 LSD 5.76 FT NGVD.
 HIGHEST WATER LEVEL 17.84 BELOW LSD, JULY 17, 1975,
 LOWEST WATER LEVEL 41.59 BELOW LSD, JAN. 23, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	20.86	FEB. 9, 1978	19.62	APR. 14, 1978	20.27	AUG. 2, 1978	21.86

300408090375401 LOCAL WELL NUMBER: SJB-21

OWNER: TROXCLAIR BROS. (SEC. 73, T. 11S., R. 6E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF REDUCER, 0.55 FT ABOVE LSD.
 LSD 4.42 FT NGVD.
 HIGHEST WATER LEVEL 3.73 ABOVE LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 9.01 BELOW LSD, DEC. 10, 1963.
 RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 28, 1978	2.27						

See footnotes at end of table.

GROUND-WATER LEVELS

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ST. JOHN THE BAPTIST PARISH

300420090344201 LOCAL WELL NUMBER: SJB-53

OWNER: GULF STATES LAND AND INDUSTRIES INC. (SEC. 32 T. 11S., R. 6E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 345 FT, SCREENED 305-345. MP TOP OF 3 BY 3/4-IN BUSHING, 1.57 FT ABOVE LSD.
 LSD 9.35 FT NGVD.
 HIGHEST WATER LEVEL 3.09 BELOW LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 15.12 BELOW LSD, OCT. 6, 1970.
 RECORDS AVAILABLE 1960-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	10.55	APR. 14, 1978	7.53				

300232090390405 LOCAL WELL NUMBER: SJB-144

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN OLDER DELTAIC DEPOSITS OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 170 FT, SCREENED 158-170. MP TOP OF 4-IN CAP, 3.22 FT ABOVE LSD.
 LSD 17.75 FT NGVD.
 HIGHEST WATER LEVEL 3.15 ABOVE LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 15.37 BELOW LSD, DEC. 11, 1963.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	7.55	MAR. 1, 1978	9.71	APR. 21, 1978	1.32	AUG. 3, 1978	11.22
JAN. 5, 1978	5.64	MAR. 28	3.61	JUNE 15	5.71	SEP. 6	12.68
FEB. 13	4.33						

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 315 FT, SCREENED 305-315. MP TOP OF 4-IN CAP, 2.60 FT ABOVE LSD.
 LSD 17.51 FT NGVD.
 HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973,
 LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	14.60	MAR. 1, 1978	15.01	MAY 24, 1978	8.15	AUG. 3, 1978	17.42
JAN. 5, 1978	12.50	MAR. 28	10.48	JUNE 15	12.43	SEP. 6	18.40
FEB. 13	11.05	APR. 21	8.55				

300348090290801 LOCAL WELL NUMBER: SJB-156

OWNER: ST. JOHN THE BAPTIST WATERWORKS DISTRICT NO. 3. (SEC. 27, T. 11S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 359 FT, SCREENED 319-359. MP TOP INSIDE EDGE OF 1 1/4-IN COUPLING 1.70 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 24.19 BELOW LSD, FEB. 9, 1978,
 LOWEST WATER LEVEL 26.85 BELOW LSD, MAR. 3, 1977, AUG. 2, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	24.67	FEB. 9, 1978	24.19	APR. 14, 1978	25.61	AUG. 2, 1978	26.85

300310090281702 LOCAL WELL NUMBER: SJB-163B

OWNER: GUY REINE. (SEC. 30, T. 11S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 635 FT, SCREENED 625-635. MP TOP OF 4-IN CASING COLLAR, 3.35 FT. ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973,
 LOWEST WATER LEVEL 23.64 BELOW LSD, NOV. 22, 1977.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 22, 1977	23.64	APR. 14, 1978	23.08	APR. 26, 1978	23.11	AUG. 2, 1978	23.09
FEB. 9, 1978	23.16						

300506091545201 LOCAL WELL NUMBER: SMN-20

OWNER: SMEDES BROS. SUGAR MILL INC. (IRREG. SEC. 13, T. 11S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 285 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 10-IN COLLAR, 1.20 FT ABOVE LSD
 LSD 30.57 FT NGVD.
 HIGHEST WATER LEVEL 16.57 BELOW LSD, JULY 9, 1946,
 LOWEST WATER LEVEL 29.65 BELOW LSD, MAR. 7, 1977.
 RECORDS AVAILABLE 1944-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	26.50						

302406091521801 LOCAL WELL NUMBER: SMN-63

OWNER: SIDNEY WILLIS. (IRREG. SEC. 48, T. 7S., R. 6E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 200 FT, SCREENED 180-200, MP FLOOR OF WELL HOUSE, 1.09 FT ABOVE LSD.
 LSD 17.43 FT NGVD.
 HIGHEST WATER LEVEL 0.04 BELOW LSD, MAR. 20, 1950,
 LOWEST WATER LEVEL 17.43 BELOW LSD, SEP. 8, 1947.
 RECORDS AVAILABLE 1944-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	9.20						

300620091474501 LOCAL WELL NUMBER: SMN-68

OWNER: A. R. FUSELIER. (IRREG. SEC. 7, T. 11S., R. 7E.) DRILLED IRRIGATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 200 FT, SCREENED 170-200. MP LOWER LIP OF DISCHARGE PIPE, 10.07 FT ABOVE LSD.
 LSD 15.37 FT NGVD.
 HIGHEST WATER LEVEL 1.68 BELOW LSD, MAR. 21, 1950,
 LOWEST WATER LEVEL 11.60 BELOW LSD, FEB. 26, 1970.
 RECORDS AVAILABLE 1944-72, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1978	9.63						

301642091412001 LOCAL WELL NUMBER: SMN-102

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 9S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 186 FT, SCREENED 176-186. MP TOP OF 2-IN CASING, 1.70 FT ABOVE LSD.
 LSD 21.87 FT NGVD.
 HIGHEST WATER LEVEL 8.95 BELOW LSD, APR. 24, 1978,
 LOWEST WATER LEVEL 19.09 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	16.32	FEB. 27, 1978	12.59	MAY 25, 1978	9.08	AUG. 14, 1978	15.84
DEC. 8	13.35	MAR. 23	13.92	JUNE 20	11.29	SEP. 19	16.79
FEB. 17, 1978	10.85	APR. 24	8.95	JULY 17	15.02		

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 505 FT, SCREENED 500-505. MP TOP OF 2-IN CASING, 2.72 FT ABOVE LSD.
 LSD 11.34 FT NGVD.
 HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973,
 LOWEST WATER LEVEL 7.08 BELOW LSD, MAR. 7, 1977.
 RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 22, 1978	3.14	JUNE 22	2.08				

ST. MARTIN PARISH

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN CASING, 2.40 FT ABOVE LSD.
 LSD 11.34 FT NGVD.
 HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974,
 LOWEST WATER LEVEL 7.29 BELOW LSD, MAR. 7, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 22, 1978	3.42	JUNE 22	2.41				

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U. S. GEOL. SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN CASING, 3.5 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 10.42 BELOW LSD, JUNE 4, 1975,
 LOWEST WATER LEVEL 16.16 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 16, 1978	14.25	FEB. 17	13.73				

301512091503002 LOCAL WELL NUMBER: SMN-135B

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 9S., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 658 FT, SCREENED 648-658. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 0.0 FT NGVD.
 HIGHEST WATER LEVEL 7.61 BELOW LSD, JUNE 4, 1975,
 LOWEST WATER LEVEL 14.85 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1977	13.49	DEC. 12, 1977	12.55	JAN. 16, 1978	11.82	FEB. 17, 1978	11.02

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LA. PARKS AND REC. COMM. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG BRANCH AQUIFER (HYDRAULIC ZONE 1) OF PLIOCENE AGE, DIAM 6 IN, DEPTH 1525 FT, SCREENED INTERVAL UNKNOWN. MP CENTERLINE OF 4-IN TEE, 2.3 FT BELOW LSD.
 LSD 7.00 FT NGVD.
 HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940,
 LOWEST WATER LEVEL 23.50 ABOVE LSD, JAN. 7, 1970.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977 +	27.10	FEB. 8, 1978 +	29.70	APR. 4, 1978 +	28.20	JULY 20, 1978 +	29.80

303529089550601 LOCAL WELL NUMBER: ST-16

OWNER: BOGALUSA TUNG OIL CO. (SEC. 29, T. 5S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 1000 FT, SCREENED INTERVAL UNKNOWN. MP CENTERLINE OF DISCHARGE PIPE, 4.0 FT ABOVE LSD.
 LSD 78.00 FT NGVD.
 HIGHEST WATER LEVEL 38.10 ABOVE LSD, JULY 11, 1946,
 LOWEST WATER LEVEL 10.90 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977 +	11.70	APR. 6, 1978 +	11.20	JULY 20, 1978 +	16.10		

See footnotes at end of table.

302852090010601 LOCAL WELL NUMBER: ST-545

OWNER: RONNIE BYRD. (SEC. 32, T. 6S., R. 12E.) DRILLED DOMESTIC ARTESIAN WELL IN ABITA AQUIFER (HYDRAULIC ZONE 2) OF MIO-PLIOCENE AGE, DIAM 2.5 IN, REPORTED DEPTH 1598 FT, SCREENED 1548-1598. MP TOP EDGE OF CEMENT-BLOCK SECTION OF BUNKHOUSE WALL, 3.0 FT BELOW LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 97.00 ABOVE LSD, MAR. 11, 1953,
 LOWEST WATER LEVEL 51.90 ABOVE LSD, AUG. 31, 1977.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977 +	55.00	APR. 4, 1978 +	54.30	JUNE 15, 1978 +	52.00	JULY 20, 1978 +	53.80
FEB. 8, 1978 +	53.50						

303522090105201 LOCAL WELL NUMBER: ST-558

OWNER: S. PULITZER. (SEC. 27, T. 5S., R. 10E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 3 IN, DEPTH 2431 FT, SCREENED 2381-2431. MP BOTTOM EDGE OF 2-IN PIPE, 3.0 FT CORRECTION TO LSD. SINCE FEBRUARY 10, 1978.
 LSD 112.00 FT NGVD.
 HIGHEST WATER LEVEL 42.00 ABOVE LSD, JULY 7, 1956,
 LOWEST WATER LEVEL 1.73 BELOW LSD, JULY 20, 1978.
 RECORDS AVAILABLE 1956, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 10, 1978	0.38	APR. 5	1.27	JULY 20, 1978	1.73		

302406090093101 LOCAL WELL NUMBER: ST-562

OWNER: TOWN OF MADISONVILLE. (SEC. 39, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER (HYDRAULIC ZONE 2) OF MIO-PLIOCENE AGE, DIAM 4 IN, DEPTH 1901 FT, SCREENED 1840-1901. MP CENTERLINE OF 4-IN DISCHARGE LINE, 3.1 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 119.20 ABOVE LSD, NOV. 17, 1961,
 LOWEST WATER LEVEL 76.60 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977 +	90.10	FEB. 10, 1978 +	89.10	APR. 6, 1978 +	86.90	JULY 20, 1978 +	86.00

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (HYDRAULIC ZONE 2) OF MIO-PLIOCENE AGE, DIAM 10, DEPTH 2411 FT, SCREENED 2262-2411. MP CENTERLINE OF FAUCET ON DISCHARGE LINE, 3.5 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 64.60 ABOVE LSD, JULY 20, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977 +	72.50	APR. 4, 1978 +	72.50	JUNE 16, 1978 +	70.50	AUG. 23, 1978 +	66.40
FEB. 10, 1978 +	72.50	MAY 14	73.00	JULY 20	64.60	SEP. 27	70.50

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 6S., R. 10E.) AUGURED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 34 FT, SCREENED 32-34. MP TOP OF CASING, 2.3 FT ABOVE LSD.
 LSD 38.00 FT NGVD.
 HIGHEST WATER LEVEL 2.51 BELOW LSD, JAN. 11, 1972,
 LOWEST WATER LEVEL 9.48 BELOW LSD, DEC. 4, 1968.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977	5.09	FEB. 10, 1978	2.99	APR. 6, 1978	3.22	JULY 20, 1978	5.64

See footnotes at end of table.

GROUND-WATER LEVELS

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ST. TAMMANY PARISH

303159090110001 LOCAL WELL NUMBER: ST-652

OWNER: WILLIE CORE. (SEC. 15, T. 6S., R. 10E.) DRILLED RECREATION ARTESIAN WELL IN RAMSAY AQUIFER (HYDRAULIC ZONE 3) OF MIOCENE AGE, DIAM 10 IN, DEPTH 3354 FT, SCREENED 3269-3354. MP CENTERLINE OF HORIZONTAL 10-IN PIPE, 3.0 FT ABOVE LSD.
 LSD 44.00 FT NGVD.
 HIGHEST WATER LEVEL 95.80 ABOVE LSD, MAY 2, 1969,
 LOWEST WATER LEVEL 67.20 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977 +	85.00	FEB. 10, 1978 +	83.50	APR. 5, 1978 +	81.10	JULY 20, 1978 +	82.80

301839089493801 LOCAL WELL NUMBER: ST-661

OWNER: ALBERT L. STONE. (SEC. 37, T. 8S., R. 14E.) DRILLED DOMESTIC ARTESIAN WELL IN SLIDELL AQUIFER (HYDRAULIC ZONE 2) OF MIO-PLIOCENE AGE, DIAM 2 IN, DEPTH 2220 FT, SCREENED 2200-2220. MP CENTER OF 2-IN DISCHARGE LINE, 0.95 FT ABOVE LSD.
 LSD 16.00 FT NGVD.
 HIGHEST WATER LEVEL 87.45 ABOVE LSD, FEB. 20, 1969,
 LOWEST WATER LEVEL 59.40 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977 +	64.00	FEB. 10, 1978 +	65.00	APR. 4, 1978 +	64.00	JULY 20, 1978 +	62.00

TANGIPAHOA PARISH

302606090263401 LOCAL WELL NUMBER: TA-7

OWNER: TOWN OF PONCHATOULA. (SEC. 18, T. 7S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 654 FT, SCREENED INTERVAL UNKNOWN. MP 15 TOP OF TEE AT WELL, 0.73 FT ABOVE LSD.
 LSD 22.00 FT NGVD.
 HIGHEST WATER LEVEL 11.60 ABOVE LSD, AUG. 8, 1939, FEB. 3, 1942,
 LOWEST WATER LEVEL 1.42 ABOVE LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977 +	5.03	FEB. 2, 1978 +	5.98	APR. 4, 1978 +	5.28	JULY 25, 1978 +	4.93

302445090220001 LOCAL WELL NUMBER: TA-19

OWNER: VICTOR STEVENS. (SEC. 26, T. 7S., R. 8E.) DRILLED DOMESTIC AND IRRIGATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 2 IN, REPORTED DEPTH 535 FT, SCREENED 515-535. MP TOP OF CONCRETE SIDEWALK LEVEL WITH LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 20.70 ABOVE LSD, APR. 3, 1947,
 LOWEST WATER LEVEL 10.50 ABOVE LSD, MAR. 10, 1967.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977 +	16.70	FEB. 2, 1978 +	16.20	APR. 4, 1978 +	16.00	JULY 25, 1978 +	15.60

302549090222601 LOCAL WELL NUMBER: TA-242

OWNER: BYRON STEVENS. (SEC. 23, T. 7S., R. 8E.) DRILLED IRRIGATION ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER (HYDRAULIC ZONE 1) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 405 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN TEE, 1.0 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 14.90 ABOVE LSD, APR. 3, 1947,
 LOWEST WATER LEVEL 7.30 ABOVE LSD, MAY 9, 1963.
 RECORDS AVAILABLE 1944-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977 +	11.50	APR. 4, 1978 +	11.00				

See footnotes at end of table.

303007090274801 LOCAL WELL NUMBER: TA-253

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN TCHEFUNCTA AQUIFER (HYDRAULIC ZONE 3) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2190 FT, SCREENED 2070-2190. MP TOP OF HORIZONTAL DISCHARGE PIPE, 2.0 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 106.03 ABOVE LSD, DEC. 16, 1952,
 LOWEST WATER LEVEL 66.00 ABOVE LSD, JAN. 12, 1970, JAN. 13, 1976, JULY 20, 1977.
 RECORDS AVAILABLE 1952-63, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1977 +	67.00	FEB. 1, 1978 +	67.50	APR. 5, 1978 +	69.00	JULY 21, 1978 +	68.00

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2013 FT, SCREENED 1951-2013. MP TOP OF 0.75-IN VALVE, 3.65 FT ABOVE LSD.
 LSD 130.86 FT NGVD.
 HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,
 LOWEST WATER LEVEL 14.05 BELOW LSD, APR. 6, 1978.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977	12.95	APR. 6, 1978	14.05				

303806090295903 LOCAL WELL NUMBER: TA-262

OWNER: TOWN OF INDEPENDENCE. (SEC. 10, T. 5S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 3 IN, DEPTH 2316 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN TEE, 2.4 FT ABOVE LSD.
 LSD 85.00 FT NGVD.
 HIGHEST WATER LEVEL 79.80 ABOVE LSD, JAN. 6, 1954,
 LOWEST WATER LEVEL 15.40 ABOVE LSD, NOV. 7, 1977, FEB. 1, 1978, APR. 6, 1978.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977 +	15.40	FEB. 1, 1978 +	15.40	APR. 6, 1978 +	15.40	JULY 24, 1978 +	15.60

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (HYDRAULIC ZONE 3) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2449 FT, SCREENED 2365-2449. MP CENTERLINE OF SOUTH 6-IN DISCHARGE LINE, 2.10 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 120.60 ABOVE LSD, JAN. 25, 1957,
 LOWEST WATER LEVEL 34.10 ABOVE LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1977 +	35.60	MAR. 3, 1978 +	40.10	JUNE 22, 1978 +	36.10	AUG. 25, 1978 +	35.60
DEC. 22 +	40.60	APR. 5 +	39.60	JULY 21 +	35.60	SEP. 29 +	35.10
FEB. 1, 1978 +	40.10	MAY 11 +	37.60				

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHEFUNCTA AQUIFER (HYDRAULIC ZONE 3) OF MIOCENE AGE, DIAM 3 IN, DEPTH 2329 FT, SCREENED 2289-2329. MP CENTERLINE OF TEE, 2.0 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960,
 LOWEST WATER LEVEL 90.00 ABOVE LSD, NOV. 9, 1977.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977 +	90.00	APR. 5, 1978 +	91.00				

See footnotes at end of table.

GROUND-WATER LEVELS

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TANGIPAHOA PARISH

305237090305101 LOCAL WELL NUMBER: TA-283

OWNER: VILLAGE OF TANGIPAHOA. (SEC. 60, T. 2S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (HYDRAULIC ZONE 2) OF MIO-PLIOCENE AGE, DIAM 13 IN, DEPTH 1457 FT, SCREENED 1419-1457. MP TOP OF SANITARY SEAL, 1.0 FT ABOVE LSD.

LSD 179.00 FT NGVD.

HIGHEST WATER LEVEL 36.30 BELOW LSD, MAR. 23, 1971,

LOWEST WATER LEVEL 60.60 BELOW LSD, APR. 6, 1978.

RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977	56.60	FEB. 1, 1978	54.30	APR. 6, 1978	60.60	JULY 18, 1978	59.50

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 5S., R. 8E.) AUGERED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1.25 IN, DEPTH 54 FT, SCREENED 52-54. MP TOP OF CASING, 3.15 FT ABOVE LSD.

LSD 75.00 FT NGVD.

HIGHEST WATER LEVEL 15.25 BELOW LSD, FEB. 1, 1978,

LOWEST WATER LEVEL 18.76 BELOW LSD, DEC. 3, 1968.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977	16.55	FEB. 1, 1978	15.25	APR. 5, 1978	15.30	JULY 24, 1978	15.75

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 1S., R. 7E.) AUGERED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1.25 IN, DEPTH 43 FT, SCREENED 40-43. MP TOP OF CASING, 3.20 FT ABOVE LSD.

LSD 265.00 FT NGVD.

HIGHEST WATER LEVEL 16.71 BELOW LSD, APR. 15, 1974,

LOWEST WATER LEVEL 25.03 BELOW LSD, DEC. 21, 1970.

RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977	21.40	JAN. 23, 1978	19.90	APR. 6, 1978	19.00	JULY 18, 1978	19.70

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOL. SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (HYDRAULIC ZONE 2) OF MIO-PLIOCENE AGE, DIAM 2 IN, DEPTH 603 FT, SCREENED 593-603. MP TOP OF 2-IN GALVANIZED PIPE, 2.15 FT ABOVE LSD.

LSD 220.00 FT NGVD.

HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975,

LOWEST WATER LEVEL 4.54 BELOW LSD, NOV. 1, 1977.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977	4.54	APR. 3, 1978	3.47	MAY 16, 1978	3.33	JULY 19, 1978	3.54
FEB. 6, 1978	3.89						

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: CROWN ZELLERBACH. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN, DEPTH 156 FT, SCREENED 90-156, MP TOP EDGE OF RECORDER SHELTER SUBFLOOR, 1.3 FT ABOVE LSD.
 LSD 95.00 FT NGVD.
 HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961,
 LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1977	19.89H	DEC. 31, 1977	19.40	APR. 15, 1978	24.33	JULY 15, 1978	21.19
OCT. 5	21.06	JAN. 5, 1978	19.37	APR. 20	23.49	JULY 19	10.55H
OCT. 10	21.45	JAN. 10	18.87	APR. 25	15.53	JULY 20	10.40
OCT. 15	21.73	JAN. 15	19.13	APR. 30	23.65	JULY 25	9.81
OCT. 20	22.01	JAN. 20	18.81	MAY 5	22.97	JULY 31	9.38
OCT. 25	20.82	JAN. 25	17.93	MAY 10	14.28	AUG. 5	9.32
OCT. 31	21.57	JAN. 31	18.50	MAY 15	12.78	AUG. 10	8.97
NOV. 2	21.27H	FEB. 5	18.10	MAY 20	12.82	AUG. 15	8.44
NOV. 5	20.66	FEB. 7	18.60H	MAY 24	13.10H	AUG. 20	9.00
NOV. 10	21.22	FEB. 10	18.23	MAY 25	12.90	AUG. 23	9.10H
NOV. 15	20.99	FEB. 15	17.75	MAY 31	13.79	AUG. 25	16.11
NOV. 20	21.31	FEB. 20	17.93	JUNE 5	16.29	AUG. 31	9.48
NOV. 25	20.98	FEB. 25	18.15	JUNE 10	15.57	SEP. 5	8.97
NOV. 31	20.73	FEB. 28	17.57H	JUNE 14	13.39H	SEP. 10	20.41
DEC. 5	21.09	MAR. 5	17.89	JUNE 15	13.82	SEP. 15	20.52
DEC. 10	19.92	MAR. 10	17.84	JUNE 20	15.77	SEP. 20	20.82
DEC. 15	19.88	MAR. 15	25.20	JUNE 25	14.50	SEP. 25	20.05
DEC. 20	19.77	APR. 3	24.68H	JUNE 30	13.89	SEP. 26	20.66H
DEC. 21	19.89H	APR. 5	24.98H	JULY 5	7.54	SEP. 30	19.97
DEC. 25	6.78	APR. 10	15.49	JULY 10	7.79		

304756089514401 LOCAL WELL NUMBER: WA-14

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF PLIO-MIOCENE AGE, DIAM 12 IN, DEPTH 681 FT, SCREENED 580-681, MP TOP OF PUMP DISCHARGE LINE, 3.7 FT ABOVE LSD.
 LSD 105.00 FT NGVD.
 HIGHEST WATER LEVEL 33.50 ABOVE LSD, OCT. 30, 1975,
 LOWEST WATER LEVEL 2.20 ABOVE LSD, OCT. 5, 1955.
 RECORDS AVAILABLE 1950-67, 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977 +	21.50	FEB. 28, 1978 +	21.00	JUNE 14, 1978 +	26.40	AUG. 22, 1978 +	20.20
DEC. 21 +	22.20	APR. 3 +	21.20	JULY 19 +	22.50	SEP. 26 +	20.40
FEB. 7, 1978 +	22.40						

304613089513201 LOCAL WELL NUMBER: WA-15

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF PLIO-MIOCENE AGE, DIAM 12 IN, DEPTH 769 FT, SCREENED 688-769, MP TOP OF PLUG IN 2-IN TEE AT END OF 3-IN DISCHARGE LINE, 1.5 FT ABOVE LSD.
 LSD 98.00 FT NGVD.
 HIGHEST WATER LEVEL 29.80 ABOVE LSD, APR. 18, 1950,
 LOWEST WATER LEVEL 5.46 ABOVE LSD, JULY 30, 1957.
 RECORDS AVAILABLE 1942, 1950-63, 1965-68, 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977 +	23.60	FEB. 28, 1978 +	23.70	JUNE 15, 1978 +	22.60	AUG. 23, 1978 +	22.40
DEC. 21 +	23.10	APR. 3 +	22.70	JULY 19 +	22.50	SEP. 26 +	22.20
FEB. 7, 1978 +	23.80						

305036090092101 LOCAL WELL NUMBER: WA-18

OWNER: TOWN OF FRANKLINTON. (SEC. 46, T. 2S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF PLIO-MIOCENE AGE, DIAM 6 IN, DEPTH 788 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 6-IN TEE, 1.2 FT ABOVE LSD.
 LSD 150.00 FT NGVD.
 HIGHEST WATER LEVEL 35.80 ABOVE LSD, DEC. 21, 1942,
 LOWEST WATER LEVEL 17.10 ABOVE LSD, NOV. 9, 1955.
 RECORDS AVAILABLE 1942, 1949-62, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977 +	21.10	FEB. 28, 1978 +	20.00	JUNE 14, 1978 +	20.20	AUG. 22, 1978 +	20.40
DEC. 19 +	20.80	APR. 3 +	20.10	JULY 19 +	20.40	SEP. 26 +	20.30
FEB. 6, 1978 +	21.00	MAY 25 +	22.30				

See footnotes at end of table.

WASHINGTON PARISH

304756089514402 LOCAL WELL NUMBER: WA-41

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 12 IN, DEPTH 1442 FT, SCREENED 1352-1442, MP LOWER EDGE OF OVERFLOW, 0.78 FT ABOVE LSD.

LSD 105.00 FT NGVD.

HIGHEST WATER LEVEL 33.40 ABOVE LSD, MAR. 16, 1950,

LOWEST WATER LEVEL 70.14 BELOW LSD, JULY 1, 1977.

RECORDS AVAILABLE 1950, 1952-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977	48.04	FEB. 28, 1978	47.50	JUNE 18, 1978	49.06	AUG. 22, 1978	53.41
DEC. 21	47.24	APR. 3	47.02	JULY 21	51.97	SEP. 26	57.45
FEB. 7, 1978	53.55	MAY 24	53.37				

304107089523401 LOCAL WELL NUMBER: WA-43

OWNER: V. A. TALLEY. (SEC. 49, T. 4S., R. 13E.) DRILLED DOMESTIC ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 2 IN, DEPTH 420 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF VALVE, 1.4 FT ABOVE LSD.

LSD 71.00 FT NGVD.

HIGHEST WATER LEVEL 31.00 ABOVE LSD, SEP. 12, 1950,

LOWEST WATER LEVEL 8.10 ABOVE LSD, SEP. 26, 1978.

RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977	14.00	MAR. 1, 1978	13.50	JUNE 15, 1978	10.20	AUG. 23, 1978	8.70
DEC. 21	14.10	APR. 3	14.30	JULY 19	8.70	SEP. 26	8.10
FEB. 8, 1978	15.70	MAY 24	13.40				

305124090093401 LOCAL WELL NUMBER: WA-57

OWNER: TOWN OF FRANKLINTON. (SEC. 45, T. 2S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN FRANKLINTON AQUIFER (HYDRAULIC ZONE 3) OF MIOCENE AGE, DIAM 12 IN, DEPTH 2746 FT, SCREENED 2614-2746, MP HOLE IN PLATE OVER CASING, 0.72 FT ABOVE LSD.

LSD 160.00 FT NGVD.

HIGHEST WATER LEVEL 20.76 BELOW LSD, AUG. 26, 1957,

LOWEST WATER LEVEL 61.79 BELOW LSD, SEP. 26, 1978.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1977	53.00	FEB. 28, 1978	54.66	JUNE 14, 1978	60.87	AUG. 22, 1978	54.82
DEC. 19	53.12	APR. 3	53.76	JULY 19	61.25	SEP. 26	61.79
FEB. 6, 1978	53.44	MAY 25	54.53				

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U.S. GEOL. SURVEY. (SEC. 32, T. 1S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 2 IN, DEPTH 600 FT, SCREENED 580-600, MP TOP OF 2-IN CASING, 0.2 FT ABOVE LSD.

LSD 240.00 FT NGVD.

HIGHEST WATER LEVEL 12.10 BELOW LSD, SEP. 24, 1975,

LOWEST WATER LEVEL 15.02 BELOW LSD, NOV. 1, 1977.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977	15.02	APR. 3, 1978	14.45	JUNE 14, 1978	14.23	JULY 19, 1978	14.44
FEB. 10, 1978	14.56						

304709090121502 LOCAL WELL NUMBER: WA-103

OWNER: LSU SOUTHEAST EXPERIMENT STATION. (SEC. 16, T. 3S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 6 IN, DEPTH 170 FT, SCREENED 140-170, MP TOP OF FLANGE, 0.8 FT ABOVE LSD.

LSD 225.00 FT NGVD.

HIGHEST WATER LEVEL 64.69 BELOW LSD, SEP. 10, 1975,

LOWEST WATER LEVEL 67.84 BELOW LSD, APR. 6, 1977.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1977	65.80	APR. 5, 1978	65.50	MAY 14, 1978	64.85	JULY 19, 1978	64.75
FEB. 10, 1978	64.95						

See footnotes at end of table.

WASHINGTON PARISH

304900089542601 LOCAL WELL NUMBER: WA-125

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 35., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN, DEPTH 1450 FT, SCREENED 1440-1450. MP TOP OF 2-IN GALVANIZED PIPE, 0.3 FT ABOVE LSD.

LSD 150.00 FT NGVD.

HIGHEST WATER LEVEL 66.46 BELOW LSD, APR. 3, 1978.

LOWEST WATER LEVEL 77.08 BELOW LSD, FEB. 28, 1978.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	66.75	APR. 3, 1978	66.46	JUNE 14, 1978	67.64	AUG. 22, 1978	69.91
JAN. 24, 1978	70.72	MAY 25	66.85	JULY 27	69.23	SEP. 26	72.14
FEB. 28	77.08						

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: TOWN OF PORT ALLEN. (SEC. 66, T. 75., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN, DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN HOLE IN 8-IN PLUG IN TEE ATOP CASING, 6.76 FT ABOVE LSD.

LSD 27.00 FT NGVD.

HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943.

LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.

RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	109.60	FEB. 28, 1978	103.73	MAY 22, 1978	103.31	JULY 21, 1978	108.58
JAN. 5, 1978	104.08	APR. 24	99.73	JUNE 9	83.53	SEP. 8	105.88
FEB. 16	106.20						

302610091121101 LOCAL WELL NUMBER: WBR-36

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 75., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN, REPORTED DEPTH 1,360 FT, SCREENED 1245-1290, 1305-1360. MP TOP OF 3/4-IN BREATHER PIPE IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.

LSD 29.00 FT NGVD.

HIGHEST WATER LEVEL 33.90 BELOW LSD, FEB. 3, 1955.

LOWEST WATER LEVEL 106.75 BELOW LSD, OCT. 1, 1969.

RECORDS AVAILABLE 1955, 1962, 1967, 1969-77.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	104.10						

302613091121501 LOCAL WELL NUMBER: WBR-37

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 75., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN, DEPTH 1,356 FT, SCREENED 1235-1288, 1318-1335, 1340-1356. MP TOP OF 3/4-IN BREATHER IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.

LSD 27.00 FT NGVD.

HIGHEST WATER LEVEL 31.93 BELOW LSD, FEB. 3, 1955.

LOWEST WATER LEVEL 112.25 BELOW LSD, OCT. 18, 1974.

RECORDS AVAILABLE 1955, 1969-77.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	105.60						

302922091122301 LOCAL WELL NUMBER: WBR-50

OWNER: POPLAR GROVE PLANTING AND REFINING CO., INC. (SEC. 59, T. 75., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, DEPTH 2,105 FT, SCREENED 2,045-2,105. MP TOP INSIDE EDGE OF 2-IN NIPPLE, 0.80 FT ABOVE LSD.

LSD 27.00 FT NGVD.

HIGHEST WATER LEVEL 90.02 BELOW LSD, JAN. 7, 1960.

LOWEST WATER LEVEL 296.41 BELOW LSD, SEP. 25, 1973.

RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	273.50	FEB. 8, 1978	264.95	APR. 25, 1978	271.75	JULY 31, 1978	257.85

GROUND-WATER LEVELS

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WEST BATON ROUGE PARISH

302851091145801 LOCAL WELL NUMBER: WBR-74

OWNER: MISSOURI PACIFIC RAILROAD. (SEC. 89, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN THE MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH EST. 175 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, .86 FT ABOVE LSD.
 LSD 24.00 FT NGVD.
 HIGHEST WATER LEVEL 3.89 ABOVE LSD, APR. 20, 1978,
 LOWEST WATER LEVEL 16.85 BELOW LSD, OCT. 22, 1958.
 RECORDS AVAILABLE 1958, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977	10.49	FEB. 28, 1978	8.64	APR. 25, 1978 +	2.47	JUNE 9, 1978 +	2.63
JAN. 4, 1978	2.57	MAR. 22	4.59	MAY 22	3.08	JULY 21	10.06
FEB. 16	2.62	APR. 20	3.89				

302546091131402 LOCAL WELL NUMBER: WBR-97B

OWNER: MRS. HUGHES (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,200 FT, SCREENED 2,170-2,200. MP TOP OF 4-IN CASING, 0.85 FT ABOVE LSD.
 LSD 17.00 FT NGVD.
 HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964,
 LOWEST WATER LEVEL 59.39 BELOW LSD, APR. 20, 1978.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1977	54.99	FEB. 8, 1978	58.93	APR. 20, 1978	59.39	JULY 31, 1978	50.88

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 29.00 FT NGVD.
 HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966,
 LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1977	118.58	FEB. 8, 1978	118.40	APR. 25, 1978	122.85	JULY 31, 1978	123.50

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP EDGE OF 3/8-IN NIPPLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 29.00 FT NGVD.
 HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,
 LOWEST WATER LEVEL 164.78 BELOW LSD, NOV. 14, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1977	156.21	APR. 25, 1978	160.50				

302726091145501 LOCAL WELL NUMBER: WBR-101

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 91 T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,367 FT, SCREENED 1,363-1,367. MP TOP OF 3/8-IN HOLE IN CAP, 1.02 FT ABOVE LSD.
 LSD 19.00 FT NGVD.
 HIGHEST WATER LEVEL 59.55 BELOW LSD, APR. 29, 1966,
 LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	76.57	FEB. 8, 1978	74.98	APR. 25, 1978	71.88	JULY 31, 1978	77.53

See footnotes at end of table.

302806091172601 LOCAL WELL NUMBER: WBR-102A

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,288 FT, SCREENED 1,284-1,288, MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.35 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 43.16 BELOW LSD, MAY 6, 1966,
 LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977	59.81	APR. 25, 1978	56.55				

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,100 FT, SCREENED 2,096-2,100, MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.35 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966,
 LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977	178.35	APR. 25, 1978	176.55				

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN, DEPTH 2,017 FT, SCREENED 2,012-2,017, MP TOP EDGE OF 3/4-IN AIRLINE (REMOVE CASING EXTENSION), 2.08 FT ABOVE LSD.
 LSD 22.00 FT NGVD.
 HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,
 LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	258.82	FEB. 8, 1978	269.67	APR. 25, 1978	267.87	JULY 31, 1978	253.22

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U. S. GEOL. SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN, DEPTH 472 FT, SCREENED 462-472 FT, MP TOP OF 2 1/2-IN COLLAR AT LSD.
 LSD 25.00 FT NGVD.
 HIGHEST WATER LEVEL 2.00 ABOVE LSD, APR. 20, 1978,
 LOWEST WATER LEVEL 16.45 BELOW LSD, SEP. 8, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1977	12.40	FEB. 28, 1978	10.52	APR. 25, 1978	+.56	JULY 21, 1978	11.98
JAN. 4, 1978	4.46	MAR. 22	6.45	MAY 22	1.17	SEP. 8	16.45
FEB. 16	4.50	APR. 20	2.00	JUNE 9	.0		

302559091122001 LOCAL WELL NUMBER: WBR-147

OWNER: U. S. GEOL. SURVEY. (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000 FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,292 FT, SCREENED 1,282-1,292 FT, MP TOP OF 2 1/2-IN COLLAR, 1.23 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 36.58 BELOW LSD, JAN. 4, 1978,
 LOWEST WATER LEVEL 38.78 BELOW LSD, FEB. 8, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1977	37.50	FEB. 8, 1978	38.78	APR. 24, 1978	36.66	AUG. 15, 1978	36.74
JAN. 4, 1978	36.58						

See footnotes at end of table.

GROUND-WATER LEVELS

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WEST BATON ROUGE PARISH

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,304 FT, SCREENED 1,294-1,304 FT. MP TOP OF 2 1/2-IN CASING EXTENSION 3.45 FT ABOVE LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 49.30 BELOW LSD, APR. 26, 1978.
 LOWEST WATER LEVEL 52.60 BELOW LSD, SEP. 8, 1978.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 28, 1978	49.56	MAY 22, 1978	49.72	JULY 21, 1978	50.09	SEP. 8, 1978	52.60
APR. 26	49.30	JUNE 9	50.45				

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LA. STATE PENAL FARM. (SEC. 5, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN, DEPTH 907 FT, SCREENED 847-907. MP (FLOWING CONDITIONS) TOP OF IRON COVER PLATE, 0.50 FT ABOVE LSD. MP (NONFLOWING CONDITIONS) TOP OF 3/4-IN X 1 1/2-IN BUSHING, 0.69 FT ABOVE LSD.
 LSD 60.00 FT NGVD.
 HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959.
 LOWEST WATER LEVEL 6.54 BELOW LSD, NOV. 14, 1977.
 RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	6.54	APR. 3, 1978	4.39				

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LA. STATE PENAL FARM. (SEC. 24, T. 1S., R. 5W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 12 IN, REPORTED DEPTH 632 FT, SCREENED 549-632. MP TOP INSIDE EDGE OF 2-IN ELBOW ATOP CASING, 2.85 FT ABOVE LSD.
 LSD 55.00 FT NGVD.
 HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958.
 LOWEST WATER LEVEL 3.13 BELOW LSD, NOV. 2, 1976.
 RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	2.82	APR. 3, 1978	0.02				

304935091221001 LOCAL WELL NUMBER: WF-188

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 2S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 1.25 IN, DEPTH 55 FT, SCREENED 52-55 FT. MP TOP OF 1.25-IN CASING, 0.2 FT ABOVE LSD.
 LSD 117.00 FT NGVD.
 HIGHEST WATER LEVEL 12.72 BELOW LSD, APR. 2, 1976.
 LOWEST WATER LEVEL 16.68 BELOW LSD, JULY 9, 1963.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	13.92	APR. 5, 1978	12.83	JUNE 7, 1978	13.11	JULY 27, 1978	13.44
FEB. 6, 1978	12.80						

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN "2800-FT" SAND OF BATON ROUGE AREA OF MIOCENE AGE, DIAM 12 IN, DEPTH 1526 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF UNION, 1.15 FT ABOVE LSD.
 LSD 140.00 FT NGVD.
 HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962.
 LOWEST WATER LEVEL 121.22 BELOW LSD, NOV. 14, 1977.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1977	121.22	APR. 5, 1978	104.76	JUNE 7, 1978	108.13	JULY 27, 1978	106.47
FEB. 6, 1978	105.92						

+ Above land-surface datum.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.



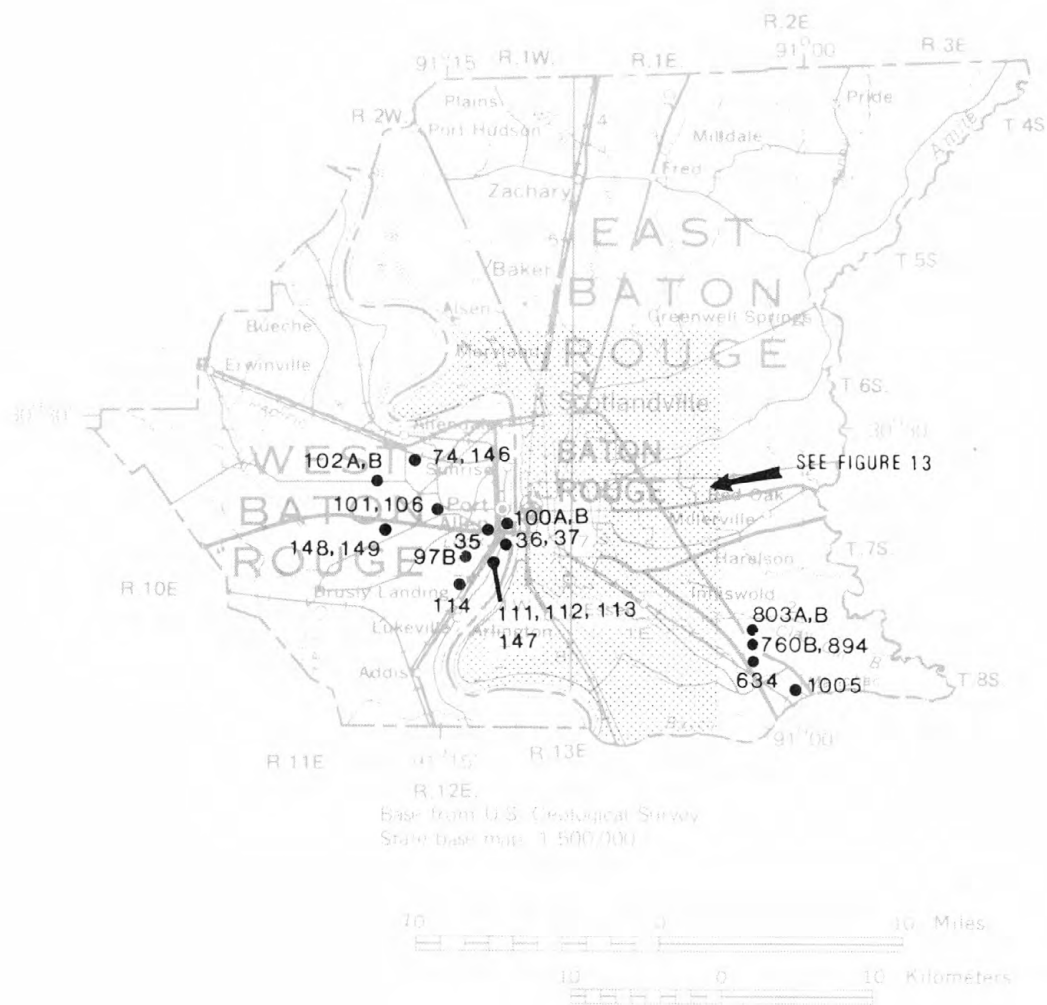


Figure 12. — Location of wells for which water-quality data are included, East Baton Rouge and West Baton Rouge Parishes [except for wells located in the shaded area (see fig. 13)]

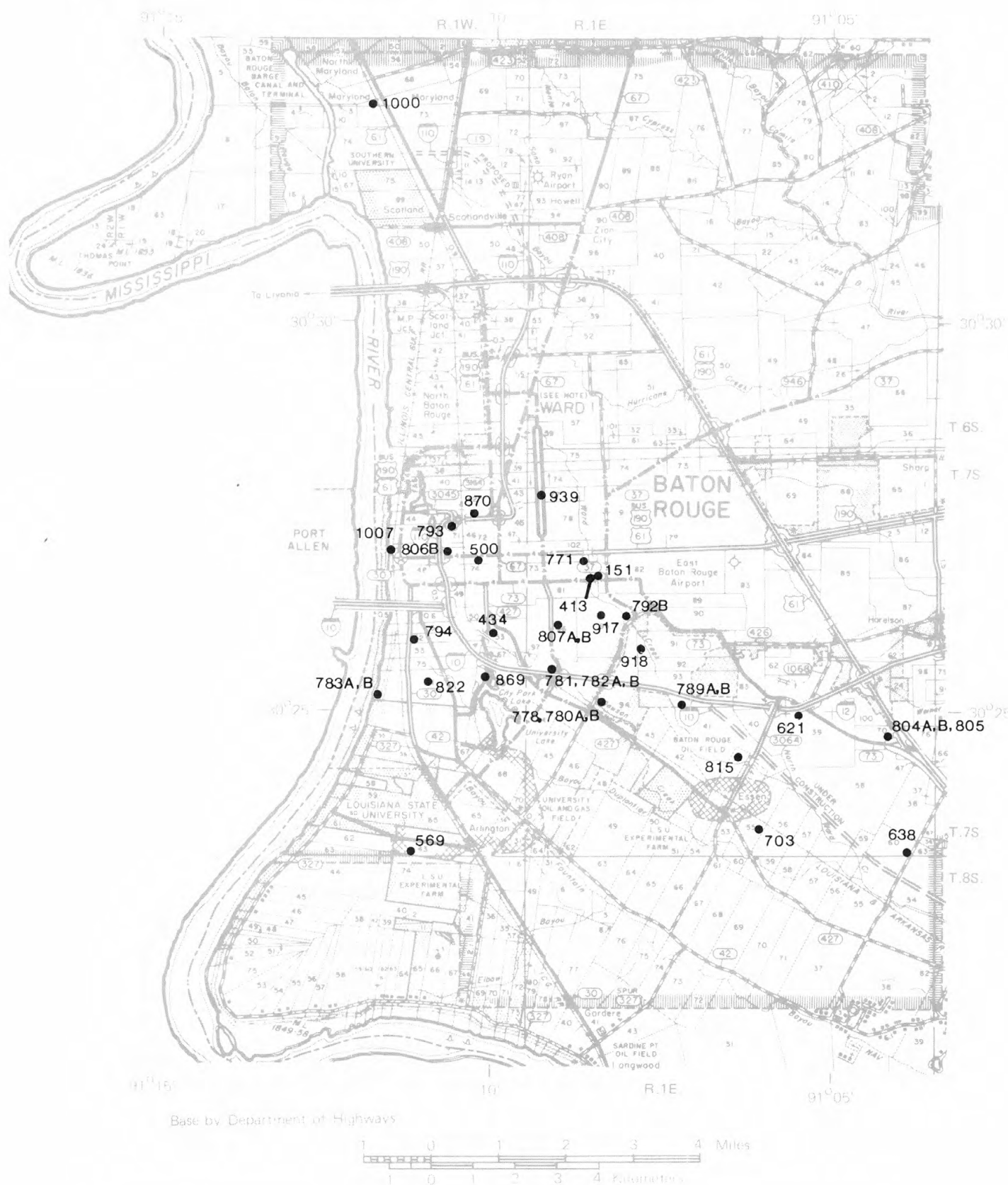


Figure 13. – Location of wells for which water-quality data are included in the shaded area shown in figure 12, East Baton Rouge Parish.

QUALITY OF GROUND WATER
CHEMICAL ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

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LOCAL IDENTIFIER				STATION	NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
ASCENSION PARISH													
AN- 168	9S	2E	46	301255091020201	112SLGZ	310	78-04-27	1235	2560	--	--	--	--
AN- 219	10S	2E	11	301220091004101	112NORC	350	78-04-27	1135	807	--	--	--	--
AN- 267	9S	3E	16	301544090543901	112GZNO	488	78-04-27	1100	287	--	--	--	--
AN- 275	16S	2E	16	301059090583801	112GZNO	534	78-01-11	1500	419	7.4	23.0	--	--
AN- 276	10S	2E	13	301110090584501	112GZNO	521	78-01-11	1430	1050	7.5	23.5	--	--
AN- 279	10S	2E	16	301056090583301	112GZNO	590	78-01-11	1515	1780	7.6	24.0	--	--
AN- 284	10S	3E	9	300752090532801	112GRMC	218	77-10-18	0945	937	7.5	21.0	0	0
AN- 288	10S	3E	26	301049090530801	112NORC	330	78-02-14	1130	494	7.7	--	--	--
EAST BATON ROUGE PARISH													
EB- 151	7S	1E	80	302641091085801	12220BR	2658	77-11-07	0820	359	--	--	--	--
EB- 413	7S	1E	80	302642091083201	12115BR	1745	77-11-07	0830	348	--	--	--	--
EB- 434	7S	1W	49	302619091104003	11206BR	611	77-10-27	1520	603	--	--	--	--
						611	78-04-18	1210	624	--	--	--	--
EB- 500	7S	1W	46	302654091101101	11206BR	710	77-10-26	1230	10600	--	--	--	--
						710	78-04-24	0940	10800	--	--	--	--
EB- 569	7S	1W	65	302312091111701	12115BR	2170	77-11-09	1315	1520	--	--	--	--
EB- 621	7S	1E	39	302500091052501	12115BR	1487	77-11-07	0925	358	--	--	--	--
EB- 634	8S	2E	50	302146091012701	11204BR	600	77-11-07	1030	870	--	--	--	--
EB- 638	7S	1E	60	302315091034701	11204BR	625	77-11-07	0945	1120	--	--	--	--
EB- 703	7S	1E	55	302339091061501	11204BR	695	77-11-07	0935	1200	--	--	--	--
EB- 760B	8S	2E	5	302250091021202	11204BR	640	77-11-07	1100	795	--	--	--	--
EB- 771	7S	1E	80	302646091083801	12115BR	1739	77-11-07	0825	316	--	--	--	--
EB- 778	7S	1E	94	302509091082701	12220BR	2586	77-11-03	1140	1030	--	--	--	--
						2586	78-04-11	1120	1090	--	--	--	--
EB- 780A	7S	1E	94	302509091082702	12112BR	1622	77-11-03	1055	2780	--	--	--	--
EB- 780B	7S	1E	94	302509091082703	12115BR	1913	77-11-03	0925	1730	--	--	--	--
EB- 781	7S	1E	94	302535091090401	12220BR	2286	77-10-31	1100	6670	8.2	--	5	--
						2286	78-04-17	1550	6680	--	--	--	--
EB- 782A	7S	1E	94	302535091090402	12110BR	1189	77-10-31	1125	1750	--	--	--	--
						1189	78-04-17	0940	1720	--	--	--	--
EB- 782B	7S	1E	94	302535091090403	12115BR	1681	77-10-31	1130	1860	--	--	--	--
						1681	78-04-17	0950	1880	--	--	--	--
EB- 783A	7S	1W	54	302502091113601	12115BR	2179	77-10-28	1300	660	--	--	--	--
						2179	78-04-13	1020	560	--	--	--	--
EB- 783B	7S	1W	54	302502091113602	12220BR	2675	77-10-28	1300	3510	--	--	--	--
						2675	78-04-13	1015	3440	--	--	--	--
EB- 789A	7S	1E	93	302511091070401	11204BR	711	77-10-31	1315	1230	--	--	--	--
						711	78-04-11	1535	1180	--	--	--	--
EB- 789B	7S	1E	93	302511091070402	12115BR	1721	77-10-31	1325	2820	--	--	--	--
						1721	78-04-11	1545	2850	--	--	--	--
EB- 792B	7S	1E	95	302605091080602	12220BR	2286	77-10-28	1535	397	--	--	--	--

Geologic unit (aquifer):

- 100PNCL-Ponchatoula aquifer, undifferentiated, Cenozoic age.
- 111PNBR-Point-bar deposits, Holocene age.
- 112BRMC-Gramercy aquifer, Pleistocene age.
- 112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS, DIS- SOLVED (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE, DIS- (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)
ASCENSION PARISH--Continued										
AN- 168	9S 2E 46 78-04-27	250	--	--	--	--	--	--	--	--
AN- 219	10S 2E 11 78-04-27	82	--	--	--	--	--	--	--	--
AN- 267	9S 3E 16 78-04-27	39	--	--	--	--	--	--	--	--
AN- 275	16S 2E 16 78-01-11	36	0	--	--	--	--	180	0	.8
AN- 276	10S 2E 13 78-01-11	69	0	--	--	--	--	187	0	5.8
AN- 279	10S 2E 16 78-01-11	70	0	--	--	--	--	204	0	.8
AN- 284	10S 3E 9 77-10-18	250	0	61	24	100	2.8	344	0	2.8
AN- 288	10S 3E 26 78-02-14	44	--	--	--	--	--	--	--	--
EAST BATON ROUGE PARISH--Continued										
EB- 151	7S 1E 80 77-11-07	2	--	--	--	--	--	--	--	--
EB- 413	7S 1E 80 77-11-07	3	--	--	--	--	--	--	--	--
EB- 434	7S 1W 49 77-10-27 78-04-18	48 44	--	--	--	--	--	--	--	--
EB- 500	7S 1W 46 77-10-26 78-04-24	1900 1700	--	--	--	--	--	--	--	--
EB- 569	7S 1W 65 77-11-09	14	--	--	--	--	--	--	--	--
EB- 621	7S 1E 39 77-11-07	8	--	--	--	--	--	--	--	--
EB- 634	8S 2E 50 77-11-07	52	--	--	--	--	--	--	--	--
EB- 638	7S 1E 60 77-11-07	30	--	--	--	--	--	--	--	--
EB- 703	7S 1E 55 77-11-07	56	--	--	--	--	--	--	--	--
EB- 760B	8S 2E 5 77-11-07	29	--	--	--	--	--	--	--	--
EB- 771	7S 1E 80 77-11-07	2	--	--	--	--	--	--	--	--
EB- 778	7S 1E 94 77-11-03 78-04-11	6 0	--	--	--	--	--	--	--	--
EB- 780A	7S 1E 94 77-11-03	120	--	--	--	--	--	--	--	--
EB- 780B	7S 1E 94 77-11-03	11	--	--	--	--	--	--	--	--
EB- 781	7S 1E 94 77-10-31 78-04-17	170 140	0 --	62 --	3.9 --	1300 --	8.4 --	279 --	4 --	10 --
EB- 782A	7S 1E 94 77-10-31 78-04-17	16 15	--	--	--	--	--	--	--	--
EB- 782B	7S 1E 94 77-10-31 78-04-17	68 70	--	--	--	--	--	--	--	--
EB- 783A	7S 1W 54 77-10-28 78-04-13	4 4	--	--	--	--	--	--	--	--
EB- 783B	7S 1W 54 77-10-28 78-04-13	14 12	--	--	--	--	--	--	--	--
EB- 789A	7S 1E 93 77-10-31 78-04-11	31 25	--	--	--	--	--	--	--	--
EB- 789B	7S 1E 93 77-10-31 78-04-11	110 81	--	--	--	--	--	--	--	--
EB- 792B	7S 1E 95 77-10-28	3	--	--	--	--	--	--	--	--

Geologic unit (aquifer):--Continued

- 112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
- 112NORC-Norco aquifer, Pleistocene age.
- 112PNCLU-Upper Ponchatoula aquifer, Pleistocene age.
- 112SLBR-Shallow sands of the Baton Rouge area, Pleistocene age.
- 112SLGZ-Shallow aquifer of the Gonzales area, Pleistocene age.
- 112UPTC-Upland terrace deposits, Pleistocene age.

LOCAL IDENTIFIER				DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO_2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO_3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
ASCENSION PARISH--Continued												
AN- 168	9S	2E	46	78-04-27	670	--	--	--	--	--	--	--
AN- 219	10S	2E	11	78-04-27	76	--	--	--	--	--	--	--
AN- 267	9S	3E	16	78-04-27	4.0	--	--	--	--	--	--	--
AN- 275	16S	2E	16	78-01-11	40	--	--	--	--	--	120	--
AN- 276	10S	2E	13	78-01-11	240	--	--	--	--	--	220	--
AN- 279	10S	2E	16	78-01-11	460	--	--	--	--	--	220	--
AN- 284	10S	3E	9	77-10-18	130	.2	13	530	503	.60	910	170
AN- 288	10S	3E	26	78-02-14	64	--	--	--	--	--	210	--
EAST BATON ROUGE PARISH--Continued												
EB- 151	7S	1E	80	77-11-07	3.0	--	--	--	--	--	--	--
EB- 413	7S	1E	80	77-11-07	1.3	--	--	--	--	--	--	--
EB- 434	7S	1W	49	77-10-27	120	--	--	--	--	--	--	--
				78-04-18	100	--	--	--	--	--	--	--
EB- 500	7S	1W	46	77-10-26	3700	--	--	--	--	--	--	--
				78-04-24	3700	--	--	--	--	--	--	--
EB- 569	7S	1W	65	77-11-09	300	--	--	--	--	--	--	--
EB- 621	7S	1E	39	77-11-07	5.4	--	--	--	--	--	--	--
EB- 634	8S	2E	50	77-11-07	140	--	--	--	--	--	--	--
EB- 638	7S	1E	60	77-11-07	240	--	--	--	--	--	--	--
EB- 703	7S	1E	55	77-11-07	280	--	--	--	--	--	--	--
EB- 760B	8S	2E	5	77-11-07	130	--	--	--	--	--	--	--
EB- 771	7S	1E	80	77-11-07	2.6	--	--	--	--	--	--	--
EB- 778	7S	1E	94	77-11-03	150	--	--	--	--	--	--	--
				78-04-11	160	--	--	--	--	--	--	--
EB- 780A	7S	1E	94	77-11-03	800	--	--	--	--	--	--	--
EB- 780B	7S	1E	94	77-11-03	380	--	--	--	--	--	--	--
EB- 781	7S	1E	94	77-10-31	2000	.6	17	3540	3570	.40	0	45
				78-04-17	2000	--	--	--	--	--	--	--
EB- 782A	7S	1E	94	77-10-31	400	--	--	--	--	--	--	--
				78-04-17	420	--	--	--	--	--	--	--
EB- 782B	7S	1E	94	77-10-31	550	--	--	--	--	--	--	--
				78-04-17	500	--	--	--	--	--	--	--
EB- 783A	7S	1W	54	77-10-28	85	--	--	--	--	--	--	--
				78-04-13	61	--	--	--	--	--	--	--
EB- 783B	7S	1W	54	77-10-28	760	--	--	--	--	--	--	--
				78-04-13	800	--	--	--	--	--	--	--
EB- 789A	7S	1E	93	77-10-31	270	--	--	--	--	--	--	--
				78-04-11	260	--	--	--	--	--	--	--
EB- 789B	7S	1E	93	77-10-31	760	--	--	--	--	--	--	--
				78-04-11	860	--	--	--	--	--	--	--
EB- 792B	7S	1E	95	77-10-28	4.0	--	--	--	--	--	--	--

Geologic unit (aquifer):--Continued

11204BR--"400-foot" sand of the Baton Rouge-Gonzales area, Pleistocene age.
 11206BR--"600-foot" sand of the Baton Rouge-Gonzales area, Pleistocene age.
 120SLDL-Slide11 aquifer, Tertiary age.
 121BGBC-Big Branch aquifer, Pliocene age.
 121PNCLL-Lower Ponchatoula aquifer, Pliocene age.
 12102FP-Zone 2 Florida Parishes and Pointe Coupee Parish, Pliocene age.

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)
EAST BATON ROUGE PARISH--Continued													
EB- 793	7S	1W	45	302719091103201	11206BR	687 687	77-10-26 78-04-18	0935 1415	326 326	-- --	-- --	-- --	-- --
EB- 794	7S	1W	52	302559091110801	12224BR	2709 2709	77-10-28 78-04-13	0930 1550	506 497	-- --	-- --	-- --	-- --
EB- 803A	8S	2E	5	302306091022601	12115BR	1975 1975	77-11-10 78-04-19	1540 1740	868 876	-- --	-- --	-- --	-- --
EB- 803B	8S	2E	5	302306091022602	12220BR	2565 2565	77-11-10 78-04-19	0955 0945	2020 2020	-- --	-- --	-- --	-- --
EB- 804A	7S	1E	70	302428091035001	12115BR	1950	77-10-31	1525	378	--	--	--	--
EB- 804B	7S	1E	70	302428091035002	12224BR	2762	77-10-31	1505	431	--	--	--	--
EB- 805	7S	1E	70	302428091035003	12110BR	1072 1072	77-11-01 78-04-13	0940 1255	13000 13500	-- --	-- --	-- --	-- --
EB- 806B	7S	1W	45	302702091103902	12224BR	2579	77-10-27	1235	414	--	--	--	--
EB- 807A	7S	1E	96	302611091091201	12115BR	1713 1713	77-10-26 78-04-14	1540 1415	1400 1430	-- --	-- --	-- --	-- --
EB- 807B	7S	1E	96	302611091091202	12220BR	2264 2264	77-10-26 78-04-14	1555 1225	375 384	-- --	-- --	-- --	-- --
EB- 815	7S	1E	52	302425091062301	11204BR	645	77-11-07	1135	340	--	--	--	--
EB- 822	7S	1W	54	302510091105003	11204BR	573	77-10-28	1025	2840	--	--	--	--
EB- 869	7S	1W	67	302533091100501	11206BR	599	78-04-13	1425	9230	--	--	--	--
EB- 870	7S	1W	44	302729091100601	11206BR	692 692	77-10-27 78-04-13	0835 0850	296 288	-- --	-- --	-- --	-- --
EB- 894	8S	2E	5	302251091021201	112SLBR	519	77-11-07	1040	371	--	--	--	--
EB- 917	7S	1E	95	302614091083001	12115BR	1736 1736	77-10-25 78-04-10	1350 1555	308 304	-- --	-- --	-- --	-- --
EB- 918	7S	1E	91	302547091074401	12115BR	1834 1834	77-10-25 78-04-11	1530 1345	309 310	-- --	-- --	-- --	-- --
EB- 939	7S	1E	77	302750091092001	12115BR	1592	77-11-07	0845	296	--	--	--	--
EB-1000	6S	1W	69	303251091115001	12228BR	2926 2926	77-12-18 78-04-21	1530 1125	894 848	9.0 --	-- --	-- --	5 --
EB-1005	8S	2E	54	302040091010301	112SLBR	384	78-05-01	1500	1080	7.6	24.5	20	
EB-1007	7S	1W	71	302711091111501	12108BR	845	78-08-03	1230	347	8.6	25.0	5	
EAST FELICIANA PARISH													
EF- 232	3S	2E	46	304904090582601	12112BR	482	78-03-10	1100	47	5.3	21.5	0	
EF- 246	1S	3E	52	305950090521501	112UPTC	70	77-10-27	1300	54	5.5	20.0	5	
EF- 250	2S	1E	82	305119091052101	12228BR	1960	77-10-20	1145	438	8.5	31.0	5	
EF- 252	2S	2E	85	305132091032303	12115BR	550	78-03-10	1345	116	6.4	22.5	0	
EF- 255	4S	2W	51	304236091165001	12110BR	303	77-10-20	0945	175	--	--	--	
IBERVILLE PARISH													
IB- 39B	7S	10E	38	302520091261501	12220BR	2504	78-05-01	1430	1180	--	--	--	
IB- 231	9S	13E	3	301541091073101	112MRVA	370	78-04-18	1340	1290	7.8	21.0	--	
IB- 232	9S	13E	3	301539091072801	112MRVA	370	78-04-18	1315	1430	7.9	21.0	--	

Geologic unit (aquifer):--Continued

12108BR-"800-foot" sand of the Baton Rouge area, Pliocene age.
 12110BR-"1000-foot" sand of the Baton Rouge area, Pliocene age.
 12112BR-"1200-foot" sand of the Baton Rouge area, Pliocene age.
 12115BR-"1500-foot" sand of the Baton Rouge area, Pliocene age.
 12117BR-"1700-foot" sand of the Baton Rouge area, Pliocene age.

LOCAL IDENT- IFIER				DATE OF SAMPLE	HARD- NESS, DIS- SOLVED (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE, DIS- (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)
EAST BATON ROUGE PARISH--Continued													
EB- 793	7S	1W	45	77-10-26 78-04-18	4 4	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 794	7S	1W	52	77-10-28 78-04-13	45 25	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 803A	8S	2E	5	77-11-10 78-04-19	5 2	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 803B	8S	2E	5	77-11-10 78-04-19	24 20	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 804A	7S	1E	70	77-10-31	4	--	--	--	--	--	--	--	--
EB- 804B	7S	1E	70	77-10-31	4	--	--	--	--	--	--	--	--
EB- 805	7S	1E	70	77-11-01 78-04-13	1780 1700	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 806B	7S	1W	45	77-10-27	5	--	--	--	--	--	--	--	--
EB- 807A	7S	1E	96	77-10-26 78-04-14	17 12	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 807B	7S	1E	96	77-10-26 78-04-14	4 1	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 815	7S	1E	52	77-11-07	9	--	--	--	--	--	--	--	--
EB- 822	7S	1W	54	77-10-28	370	--	--	--	--	--	--	--	--
EB- 869	7S	1W	67	78-04-13	560	--	--	--	--	--	--	--	--
EB- 870	7S	1W	44	77-10-27 78-04-13	18 24	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 894	8S	2E	5	77-11-07	17	--	--	--	--	--	--	--	--
EB- 917	7S	1E	95	77-10-25 78-04-10	4 1	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 918	7S	1E	91	77-10-25 78-04-11	7 2	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 939	7S	1E	77	77-11-07	1	--	--	--	--	--	--	--	--
EB-1000	6S	1W	69	77-12-18 78-04-21	5 0	0 --	1.8 --	.1 --	190 --	2.0 --	296 --	19 --	8.8 --
EB-1005	8S	2E	54	78-05-01	100	0	30	6.1	220	4.8	600	0	.0
EB-1007	7S	1W	71	78-08-03	2	0	.7	.1	81	.4	179	10	9.6

EAST FELICIANA PARISH--Continued

EF- 232	3S	2E	46	78-03-10	9	0	3.2	.2	3.8	1.4	15	0	.6
EF- 246	1S	3E	52	77-10-27	18	3	6.0	.7	6.2	1.0	18	0	12
EF- 250	2S	1E	82	77-10-20	0	0	.0	.0	110	1.0	262	5	12
EF- 252	2S	2E	85	78-03-10	30	0	8.5	2.1	8.5	3.2	50	0	3.2
EF- 255	4S	2W	51	77-10-20	29	--	--	--	--	--	--	--	4.6

IBERVILLE PARISH--Continued

IB- 39B	7S	10E	38	78-05-01	9	--	--	--	--	--	--	--	--
IB- 231	9S	13E	3	78-04-18	83	--	--	--	--	--	--	--	--
IB- 232	9S	13E	3	78-04-18	58	--	--	--	--	--	--	--	--

Geologic unit (aquifer):--Continued

12203FP-Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.
 12220BR-"2000-foot" sand of the Baton Rouge area, Miocene age.
 12224BR-"2400-foot" sand of the Baton Rouge area, Miocene age.
 12228BR-"2800-foot" sand of the Baton Rouge area, Miocene age.

LOCAL IDENT- I- FIER				DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
EAST BATON ROUGE PARISH--Continued												
EB- 793	7S	1W	45	77-10-26 78-04-18	2.5 2.0	--	--	--	--	--	--	--
EB- 794	7S	1W	52	77-10-28 78-04-13	20 13	--	--	--	--	--	--	--
EB- 803A	8S	2E	5	77-11-10 78-04-19	84 94	--	--	--	--	--	--	--
EB- 803B	8S	2E	5	77-11-10 78-04-19	490 480	--	--	--	--	--	--	--
EB- 804A	7S	1E	70	77-10-31	5.0	--	--	--	--	--	--	--
EB- 804B	7S	1E	70	77-10-31	2.5	--	--	--	--	--	--	--
EB- 805	7S	1E	70	77-11-01 78-04-13	4300 4600	--	--	--	--	--	--	--
EB- 806B	7S	1W	45	77-10-27	4.0	--	--	--	--	--	--	--
EB- 807A	7S	1E	96	77-10-26 78-04-14	330 340	--	--	--	--	--	--	--
EB- 807B	7S	1E	96	77-10-26 78-04-14	6.1 2.2	--	--	--	--	--	--	--
EB- 815	7S	1E	52	77-11-07	16	--	--	--	--	--	--	--
EB- 822	7S	1W	54	77-10-28	820	--	--	--	--	--	--	--
EB- 869	7S	1W	67	78-04-13	3000	--	--	--	--	--	--	--
EB- 870	7S	1W	44	77-10-27 78-04-13	4.5 1.6	--	--	--	--	--	--	--
EB- 894	8S	2E	5	77-11-07	9.0	--	--	--	--	--	--	--
EB- 917	7S	1E	95	77-10-25 78-04-10	2.6 1.8	--	--	--	--	--	--	--
EB- 918	7S	1E	91	77-10-25 78-04-11	3.2 1.0	--	--	--	--	--	--	--
EB- 939	7S	1E	77	77-11-07	3.0	--	--	--	--	--	--	--
EB-1000	6S	1W	69	77-12-18 78-04-21	110 110	.5 --	16 --	509 --	500 --	.07 --	35 --	5 --
EB-1005	8S	2E	54	78-05-01	66	.2	24	647	647	.00	120	100
EB-1007	7S	1W	71	78-08-03	2.0	.3	24	220	216	.38	10	0
EAST FELICIANA PARISH--Continued												
EF- 232	3S	2E	46	78-03-10	3.5	.0	14	38	34	.68	50	2
EF- 246	1S	3E	52	77-10-27	1.8	.1	12	69	50	.85	240	12
EF- 250	2S	1E	82	77-10-20	2.5	.6	16	270	276	.25	0	12
EF- 252	2S	2E	85	78-03-10	5.0	.1	37	93	93	.00	20	12
EF- 255	4S	2W	51	77-10-20	14	--	--	--	--	--	--	--
IBERVILLE PARISH--Continued												
IB- 398	7S	10E	38	78-05-01	220	--	--	--	--	--	--	--
IB- 231	9S	13E	3	78-04-18	190	--	--	--	--	--	260	100
IB- 232	9S	13E	3	78-04-18	220	--	--	--	--	--	210	80

LOCAL IDENTIFIER				STATION	NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
LIVINGSTON PARISH													
LI- 176A	6S	6E	40	303003090345801	12112BR	1333	78-09-11	1400		212	6.9	27.0	5
LI- 176B	6S	6E	40	303003090345802	121PNCLL	560	78-09-26	1400		146	6.4	24.0	5
POINTE COUPEE PARISH													
PC- 42	4S	9E	14	304349091312301	12220BR	1090	78-05-05	1515		492	8.8	--	--
PC- 114	4S	9E	31	304252091321701	12228BR	1910	78-05-05	1530		363	9.1	29.5	0
PC- 153	6S	9E	117	303425091300801	12220BR	1462	77-10-27	1000		263	7.5	28.5	--
PC- 169	4S	9E	24	304233091304201	12112BR	487	78-05-05	1430		227	6.7	22.5	0
PC- 195	4S	9E	31	304250091321601	12117BR	881	78-09-13	1130		297	7.7	24.5	0
PC- 236	1S	7E	23	305904091462001	12203FP	616	78-02-14	1300		627	6.8	22.5	0
PC- 237	1S	7E	70	305706091450801	12203FP	760	78-03-01	1615		411	7.1	24.0	10
PC- 238	2S	7E	37	305453091460601	12203FP	882	78-03-17	1215		441	8.2	24.5	15
PC- 239	1S	7E	44	305617091473401	12102FP	246	78-03-29	1200		346	7.6	20.5	0
ST. CHARLES PARISH													
SC- 54	12S	8E	6	300008090240201	112NORC	464	78-04-24	0910		2770	--	--	--
SC- 159	12S	20E	23	295926090273101	112NORC	440	78-04-27	1500		1550	--	--	--
SC- 168	T12SR	8E	6	295949090240001	112NORC	--	78-06-20	1430		2330	--	--	--
SC- 171	T13SR	8E	5	295622090205301	111PNBR	21	78-06-20	1215		1110	6.7	23.0	--
ST. JAMES PARISH													
SJ- 18	12S	4E	40	300043090472701	112GRMC	285	78-03-28	1030		997	--	--	--
SJ- 208	12S	16E	31	300328090522601	112NORC	451	77-10-31	1515		1130	7.7	22.0	20
SJ- 210	12S	4E	53	300116090451001	112GRMC	345	77-11-22	1400		534	7.9	22.0	5
SJ- 211A	12S	16E	63	300319090530201	112NORC	387	77-12-12	1430		447	7.4	21.0	0
SJ- 211B	12S	16E	63	300319090530202	112GRMC	259	77-12-16	1530		403	7.2	20.0	0
ST. JOHN THE BAPTIST PARISH													
SJB- 163B	11S	7E	30	300310090281702	112GZNO	635	78-04-26	1325		756	--	--	--
SJB- 165	10S	8E	5	301247090245901	12203FP	3000	78-08-02	1430		771	--	--	--
ST. TAMMANY PARISH													
ST- 717	9S	14E	8	301638089482701	120SLDL	2338	78-07-18	1210		387	8.2	--	0
ST- 744	8S	11E	52	302053090032401	112PNCLU	320	77-12-08	1100		259	7.2	22.0	10
ST- 747	7S	11E	47	302626090072902	112PNCLU	355	77-12-08	1000		201	--	22.5	5
ST- 758	9S	14E	31	301304089492001	100PNCL	1250	78-07-18	1045		657	8.6	28.5	40
ST- 759	9S	14E	31	301305089492401	121BGBC	1362	78-07-18	1330		656	8.4	26.0	15
ST- 760	9S	13E	36	301328089504001	100PNCL	1200	78-07-18	1300		668	8.2	27.0	30
WASHINGTON PARISH													
WA- 125	3S	13E	5	304900089542601	12203FP	1450	77-11-29	1800		185	7.6	23.5	5
WEST BATON ROUGE PARISH													
WBR- 35	7S	12E	68	302657091124201	12112BR	1290	77-11-08	1120		310	--	--	--

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS, DIS-SOLVED (MG/L AS CaCO3)	HARDNESS, NONCARBONATE, DIS-SOLVED (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
LIVINGSTON PARISH--Continued													
LI- 176A	6S	6E	40	78-09-11	10	0	3.0	.6	44	1.9	113	0	8.8
LI- 176B	6S	6E	40	78-09-26	31	0	9.8	1.6	17	4.7	71	0	2.4
POINTE COUPEE PARISH--Continued													
PC- 42	4S	9E	14	78-05-05	2	--	--	--	--	--	--	--	--
PC- 114	4S	9E	31	78-05-05	0	0	.0	.0	84	.9	172	18	5.8
PC- 153	6S	9E	117	77-10-27	4	--	--	--	--	--	--	--	18
PC- 169	4S	9E	24	78-05-05	20	0	5.5	1.5	44	2.7	122	0	7.0
PC- 195	4S	9E	31	78-09-13	2	0	.7	.1	68	1.5	172	0	10
PC- 236	1S	7E	23	78-02-14	8	0	2.0	.7	140	3.2	203	0	1.2
PC- 237	1S	7E	70	78-03-01	5	0	1.4	.4	94	2.3	212	0	7.4
PC- 238	2S	7E	37	78-03-17	2	0	.6	.1	100	1.4	239	4	5.6
PC- 239	1S	7E	44	78-03-29	26	0	8.7	1.0	70	1.9	196	0	3.6
ST. CHARLES PARISH--Continued													
SC- 54	12S	8E	6	78-04-24	92	--	--	--	--	--	--	--	--
SC- 159	12S	20E	23	78-04-27	60	--	--	--	--	--	--	--	--
SC- 168	T12SR	8E	6	78-06-20	83	--	--	--	--	--	--	--	--
SC- 171	T13SR	8E	5	78-06-20	720	--	--	--	--	--	--	--	--
ST. JAMES PARISH--Continued													
SJ- 18	12S	4E	40	78-03-28	180	--	--	--	--	--	--	--	--
SJ- 208	12S	16E	31	77-10-31	40	0	10	3.6	240	2.9	404	0	12
SJ- 210	12S	4E	53	77-11-22	12	0	3.9	.6	120	1.2	295	0	9.2
SJ- 211A	12S	16E	63	77-12-12	100	0	26	9.5	64	1.7	291	0	2.8
SJ- 211B	12S	16E	63	77-12-16	160	33	46	12	17	1.5	161	0	50
ST. JOHN THE BAPTIST PARISH--Continued													
SJB- 163B	11S	7E	30	78-04-26	17	--	--	--	--	--	--	--	--
SJB- 165	10S	8E	5	78-08-02	3	--	--	--	--	--	--	--	--
ST. TAMMANY PARISH--Continued													
ST- 717	9S	14E	8	78-07-18	4	0	1.2	.2	91	.8	209	8	12
ST- 744	8S	11E	52	77-12-08	14	0	3.1	1.5	55	2.1	156	0	6.8
ST- 747	7S	11E	47	77-12-08	14	0	3.8	1.1	42	1.9	116	0	8.8
ST- 758	9S	14E	31	78-07-18	2	0	.7	.1	160	.8	356	10	5.6
ST- 759	9S	14E	31	78-07-18	20	0	.7	.1	160	.9	340	19	9.2
ST- 760	9S	13E	36	78-07-18	1	0	.3	.1	160	.8	337	9	5.2
WASHINGTON PARISH--Continued													
WA- 125	3S	13E	5	77-11-29	3	0	1.0	.1	43	.9	104	0	7.2
WEST BATON ROUGE PARISH--Continued													
WBR- 35	7S	12E	68	77-11-08	2	--	--	--	--	--	--	--	--

LOCAL IDENTIFIER					DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
LIVINGSTON PARISH--Continued													
LI- 176A	6S	6E	40	78-09-11	3.1	.1	56	180	174	.50	900	60	
LI- 176B	6S	6E	40	78-09-26	7.8	.3	58	136	137	.31	780	100	
POINTE COUPEE PARISH--Continued													
PC- 42	4S	9E	14	78-05-05	1.4	.8	--	--	--	--	20	50	
PC- 114	4S	9E	31	78-05-05	2.2	.1	19	229	215	1.2	0	0	
PC- 153	6S	9E	117	77-10-27	3.8	--	--	--	--	--	340	110	
PC- 169	4S	9E	24	78-05-05	4.4	.2	52	182	178	.42	160	72	
PC- 195	4S	9E	31	78-09-13	2.0	.4	48	224	216	.27	100	120	
PC- 236	1S	7E	23	78-02-14	93	.4	41	391	382	.77	110	67	
PC- 237	1S	7E	70	78-03-01	21	.4	32	273	263	--	90	30	
PC- 238	2S	7E	37	78-03-17	16	.4	16	272	262	.00	60	25	
PC- 239	1S	7E	44	78-03-29	8.9	.2	17	219	209	.81	40	70	
ST. CHARLES PARISH--Continued													
SC- 54	12S	8E	6	78-04-24	680	--	--	--	--	--	--	--	--
SC- 159	12S	20E	23	78-04-27	240	--	--	--	--	--	--	--	--
SC- 168	T12SR	8E	6	78-06-20	510	--	--	--	--	--	--	--	--
SC- 171	T13SR	8E	5	78-06-20	26	--	--	--	--	--	16000	--	--
ST. JAMES PARISH--Continued													
SJ- 18	12S	4E	40	78-03-28	44	--	--	--	--	--	--	--	--
SJ- 208	12S	16E	31	77-10-31	160	.2	24	642	654	.80	270	42	
SJ- 210	12S	4E	53	77-11-22	18	.2	22	327	321	.48	100	50	
SJ- 211A	12S	16E	63	77-12-12	10	.0	27	276	284	.10	320	110	
SJ- 211B	12S	16E	63	77-12-16	18	.1	17	255	241	.00	660	280	
ST. JOHN THE BAPTIST PARISH--Continued													
SJB- 163B	11S	7E	30	78-04-26	77	--	--	--	--	--	--	--	--
SJB- 165	10S	8E	5	78-08-02	30	--	--	--	--	--	--	--	--
ST. TAMMANY PARISH--Continued													
ST- 717	9S	14E	8	78-07-18	1.4	.3	22	246	240	.54	10	0	
ST- 744	8S	11E	52	77-12-08	3.8	.3	19	181	169	.65	20	15	
ST- 747	7S	11E	47	77-12-08	2.7	.1	48	171	166	.10	0	110	
ST- 758	9S	14E	31	78-07-18	18	.9	35	414	406	.39	80	0	
ST- 759	9S	14E	31	78-07-18	15	.6	23	400	396	.33	80	0	
ST- 760	9S	13E	36	78-07-18	32	.8	37	412	412	.68	50	0	
WASHINGTON PARISH--Continued													
WA- 125	3S	13E	5	77-11-29	1.0	.2	52	160	158	1.8	60	5	
WEST BATON ROUGE PARISH--Continued													
WBR- 35	7S	12E	68	77-11-08	2.8	--	--	--	--	--	--	--	--

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)
WEST BATON ROUGE PARISH--Continued													
WBR- 36	7S	12E	69	302610091121101	12112BR	1360	77-11-08	1015	530	--	--	--	--
						1360	78-04-18	1005	702	--	--	--	--
WBR- 37	7S	12E	69	302613091121501	12112BR	1356	77-11-08	1000	751	--	--	--	--
						1356	78-04-18	0955	717	--	--	--	--
WBR- 74	7S	12E	89	302851091145801	112MRVA	175	78-04-21	0845	363	--	--	--	--
WBR- 97B	7S	12E	70	302546091131402	12115BR	2200	77-11-11	1145	440	--	--	--	--
						2200	78-04-20	1135	481	--	--	--	--
WBR- 100A	7S	12E	68	302652091121401	12117BR	1888	77-11-04	1200	364	--	--	--	--
						1888	77-11-04	1200	364	--	--	--	--
WBR- 100B	7S	12E	68	302652091121402	12224BR	2448	77-11-04	1200	366	--	--	--	--
						2448	77-11-04	1200	366	--	--	--	--
WBR- 101	7S	12E	91	302726091145501	12112BR	1367	77-11-03	1525	318	--	--	--	--
						1367	77-11-03	1525	318	--	--	--	--
WBR- 102A	7S	12E	7	302806091172601	12112BR	1288	77-11-09	1050	276	--	--	--	--
WBR- 102B	7S	12E	7	302806091172602	12220BR	2100	77-11-09	1150	378	--	--	--	--
WBR- 106	7S	12E	93	302703091133703	12220BR	2017	77-11-03	1445	422	--	--	--	--
WBR- 111	7S	12E	70	302550091124101	12220BR	2650	77-11-09	0820	636	--	--	--	--
WBR- 112	7S	12E	70	302550091124102	12115BR	2205	77-11-09	0815	527	--	--	--	--
						2205	78-04-24	1330	536	--	--	--	--
WBR- 113	7S	12E	70	302547091123201	12115BR	2242	77-11-09	0820	848	--	--	--	--
						2242	78-04-20	0830	844	--	--	--	--
WBR- 114	8S	12E	5	302421091134402	12115BR	2146	77-11-15	0930	340	--	--	--	--
						2146	78-04-20	0925	310	--	--	--	--
WBR- 146	7S	12E	119	302853091150201	11204BR	472	77-11-08	1315	301	6.7	21.0	5	--
						472	78-04-21	0950	301	--	--	--	--
WBR- 147	7S	12E	70	302559091122001	12110BR	1292	77-11-07	1515	2900	8.4	--	5	--
						1292	78-04-25	1305	2960	--	--	--	--
WBR- 148	7S	11E	23	302702091185101	12112BR	1304	78-03-28	1515	341	8.6	27.5	0	--
						1304	78-03-28	1515	341	8.6	27.5	0	--
						1304	78-04-20	1320	357	--	--	--	--
						1304	78-04-20	1320	357	--	--	--	--
WBR- 149	7S	11E	23	302702091185102	112MRVA	178	78-03-28	1600	339	7.4	21.5	--	--
						178	78-03-28	1600	339	7.4	21.5	--	--

[illegible]

LOCAL IDENT- I- FIER				DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
WEST BATON ROUGE PARISH--Continued												
WBR-	36	7S 12E	69	77-11-08 78-04-18	55 110	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	37	7S 12E	69	77-11-08 78-04-18	117 110	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	74	7S 12E	89	78-04-21	5.8	--	--	--	--	--	1100	280
WBR-	97B	7S 12E	70	77-11-11 78-04-20	39 44	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	100A	7S 12E	68	77-11-04 77-11-04	2.5 2.5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	100B	7S 12E	68	77-11-04 77-11-04	3.9 3.9	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	101	7S 12E	91	77-11-03 77-11-03	4.4 4.4	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	102A	7S 12E	7	77-11-09	5.8	--	--	--	--	--	--	--
WBR-	102B	7S 12E	7	77-11-09	2.5	--	--	--	--	--	--	--
WBR-	106	7S 12E	93	77-11-03	3.0	--	--	--	--	--	--	--
WBR-	111	7S 12E	70	77-11-09	3.0	--	--	--	--	--	--	--
WBR-	112	7S 12E	70	77-11-09 78-04-24	52 52	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	113	7S 12E	70	77-11-09 78-04-20	130 120	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	114	8S 12E	5	77-11-15 78-04-20	9.0 2.0	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR-	146	7S 12E	119	77-11-08 78-04-21	4.4 3.8	.3 --	47 --	211 --	218 --	.00 --	280 260	150 160
WBR-	147	7S 12E	70	77-11-07 78-04-25	770 780	.5 --	11 --	-- --	1540 --	.00 --	20 --	150 --
WBR-	148	7S 11E	23	78-03-28 78-03-28 78-04-20 78-04-20	2.0 2.0 4.0 4.0	.4 .4 -- --	29 29 -- --	221 221 -- --	213 213 -- --	.63 .63 -- --	30 30 -- --	0 0 -- --
WBR-	149	7S 11E	23	78-03-28 78-03-28	7.0 7.0	-- --	-- --	-- --	-- --	-- --	130 130	80 80

QUALITY OF GROUND WATER
MINOR ELEMENTS, OCTOBER 1977 TO SEPTEMBER 1978

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LOCAL IDENT- I- FIER	STATION	NUMBER	DATE OF SAMPLE	PHOS- PHORUS, TOTAL (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BORON, DIS- SOLVED (UG/L AS B)
EAST FELICIANA PARISH							
EF- 246	1S	3E 52	305950090521501 77-10-27	.08	0	1	7

LOCAL IDENT- I- FIER	DATE OF SAMPLE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)
EAST FELICIANA PARISH--Continued							
EF- 246	1S 3E 52 77-10-27	0	0	0	3	.0	120

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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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